



# REST Web Services APIs

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## Introduction

This document represents Brainshark's RESTful web services. The document is designed for web developers and programmers who will be specifying and writing their own Brainshark application interfaces for the Brainshark platform.

The RESTful web services provides access to the key functionality needed by customers for their applications including user management, presentation and learning elements and the reporting of viewing information.

## Using this Document

This document is to be used as a programmer's reference guide for developing applications accessing the Brainshark platform through its APIs. The document is organized by functional areas:

- Administration
- Presentations
- Learning
- Integrations

Each functional section contains full descriptions of each related API. The API is described by its:

- Description
- Method
- URL
- Parameters
- Sample Call / Response Example
- Contextual Usage

### NOTE:

All API calls must use the fully qualified URL provided in this document. Calling the API with <https://brainshark.com/> instead of <https://www.brainshark.com> will result in errors.

## Commonly Used Terms

Throughout this document many terms and parameters are used repeatedly. These common terms and parameters are summarized here for ease of reference:

Term / Parameter	Usage / Meaning
User / Student	Brainshark users and students are named user accounts associated with specific content viewing permissions and/or learning content enrollments.
Administrator	Administrative users are privileged named user accounts used to manage user accounts, access reports, and create course/curriculum enrollments.
sid, sky, uid	<p>Associated with many of the required API parameters, these three values are used to define a Brainshark session and are created by establishing a Brainshark Session. An API Session is similar to having the Administrator log-in to Brainshark. The session created is valid for one-hour of inactivity.</p> <p>sid      session id  sky      session key. The sid and sky, in combination, define the session security token  uid      user id. This is the Brainshark user id associated with the login credentials used to create the session</p>
login_dir	The login directory. This refers to the site name referenced in the customer's Brainshark site URL. For example, <a href="https://www.brainshark.com/companyname">https://www.brainshark.com/companyname</a> is the standard for the site URL. 'companyname' would be the login_dir value.

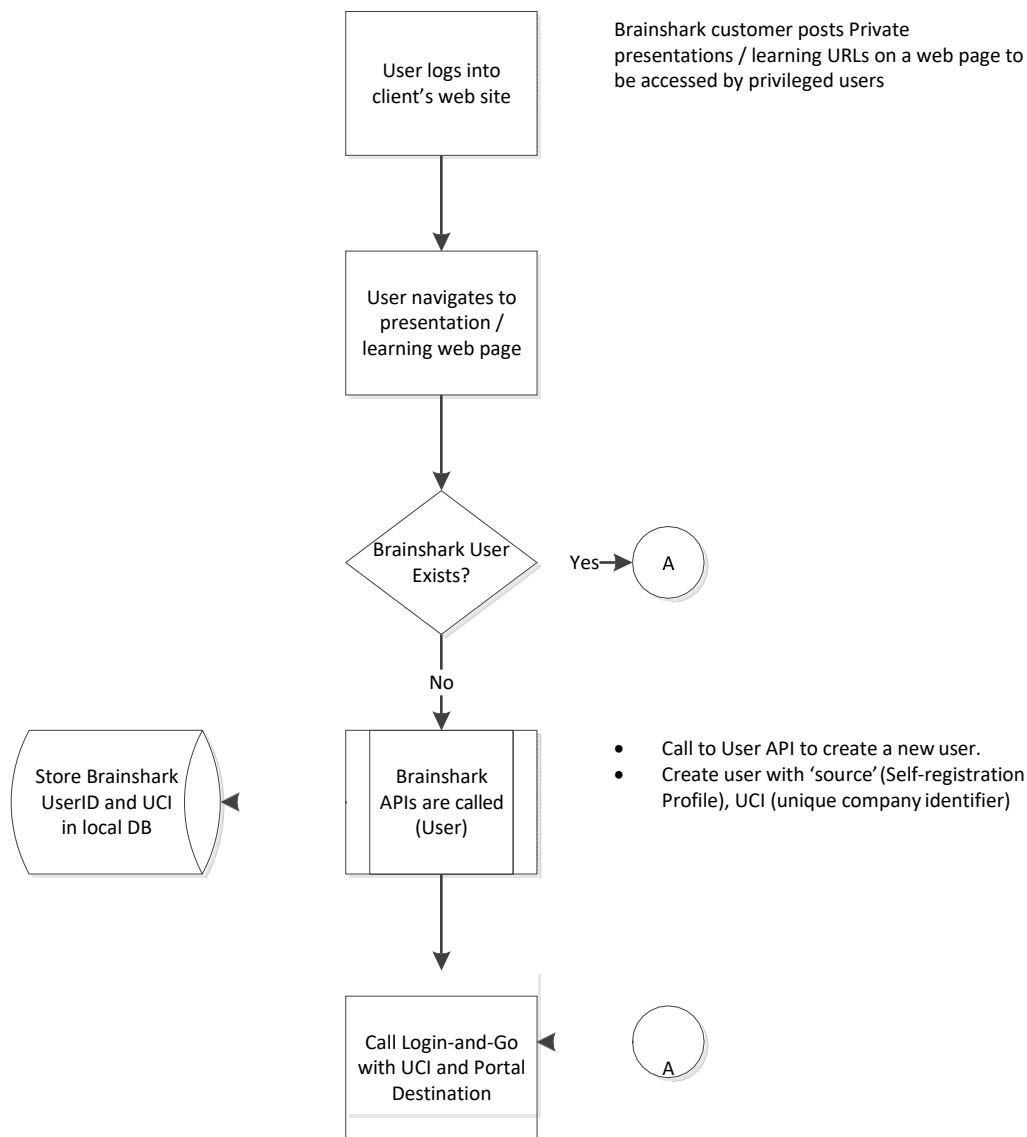
## Popular API Usage Scenarios

Outlined below are some common API usage scenarios. The outlines provide a basic recipe for calling the REST APIs to accomplish the general task.

### Creating Brainshark Users and Displaying a Brainshark Portal Page on the Corporate Web Site

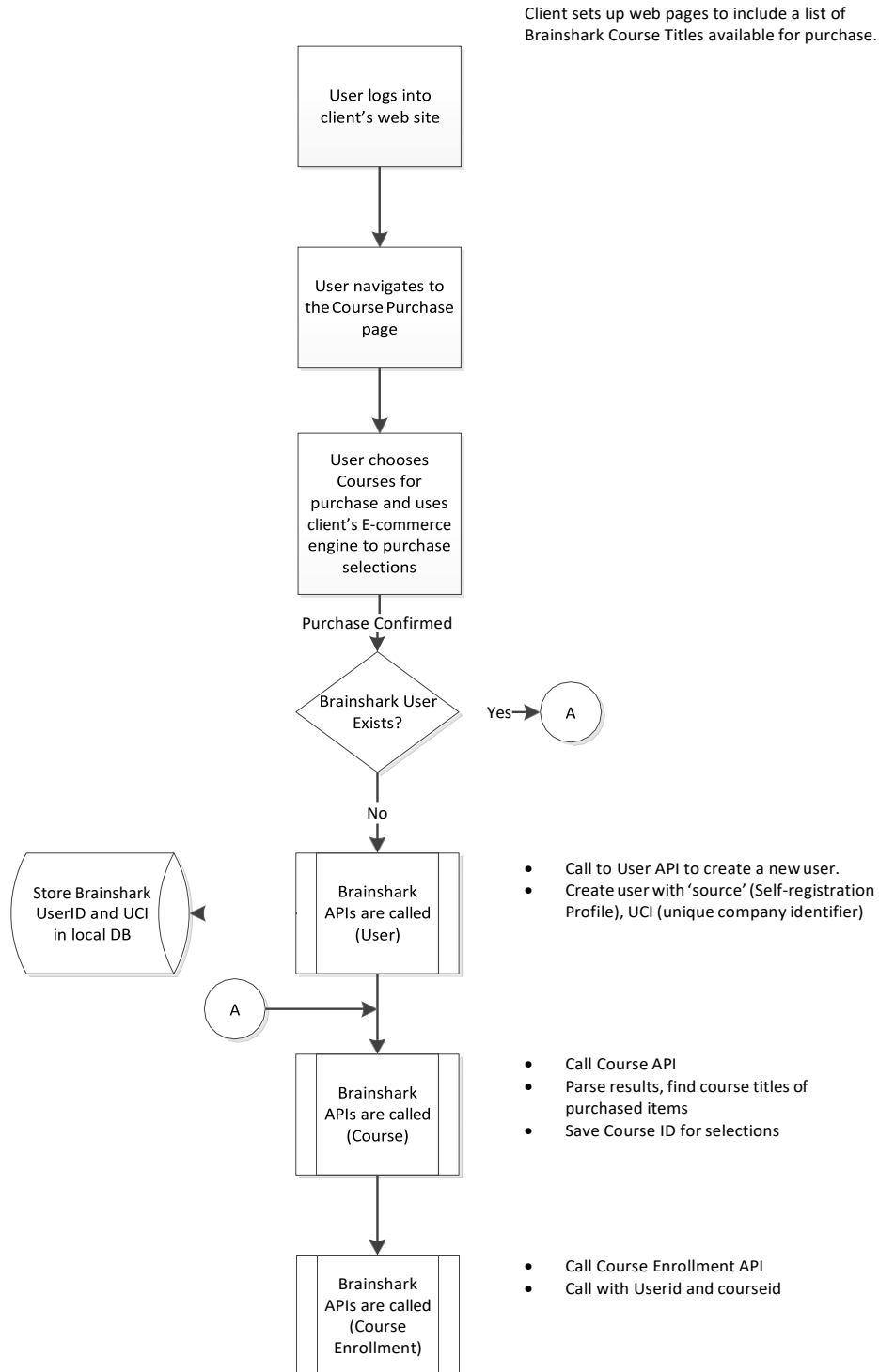
A popular scenario is to leverage the APIs to provide access to Brainshark presentation, or Learning, content on a privileged page on a corporate web site. An adjunct function specifies that the Brainshark Content Portal or Learning portal be displayed within an iFrame on the corporate web page. The diagram that follows outlines the basic flow of the requirement and how the APIs take part.

Reference is made to the Brainshark Login-and-Go utility. The details of Login-and-Go may be found in Appendix A.



### Enrolling Students into Courses Selected on Corporate Web Site

Brainshark customers may offer their courseware for purchase to their users. This scenario outlines an approach where a user may choose from a set of existing Brainshark courses the items they wish to purchase. The student is ultimately enrolled into the courses once payment is confirmed.



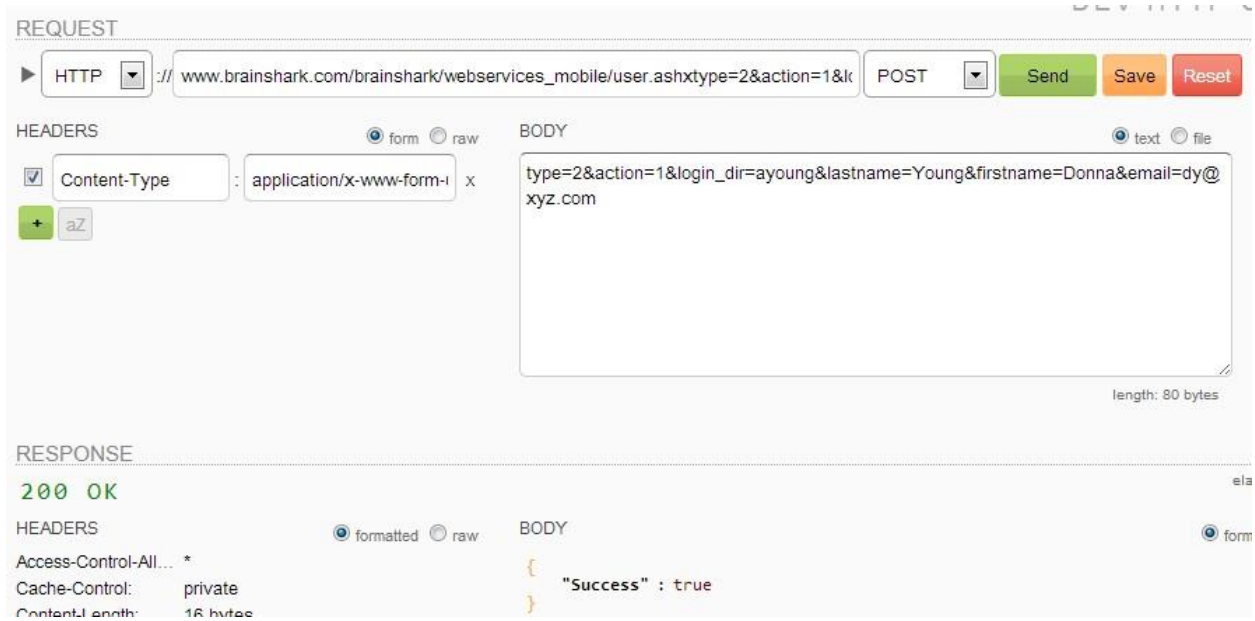
## Debugging Techniques

An effective API debugging tool is the DEV HTTP CLIENT made available as a Google Chrome plug-in.

[https://chrome.google.com/webstore/detail/dev-http-client/aejoelaoggembcahagimdiliamlcdmfm?hl=en-US&utm\\_source=chrome-ntp-launcher](https://chrome.google.com/webstore/detail/dev-http-client/aejoelaoggembcahagimdiliamlcdmfm?hl=en-US&utm_source=chrome-ntp-launcher)

When using this tool, Headers should be set to the following for any POST requests:

Content-Type: application/x-www-form-urlencoded; charset=UTF-8





### Coding Best Practices

- ❏ Avoid hard-coding user credentials, groups, folders, or other constructs into the solution.
  - If these things must be hard-coded build in the ability to recreate, programmatically, missing objects if they are somehow deleted by Brainshark Company Administrators.
  - Document credentials, groups, folders, etc., that are required for the solution to run.
- ❏ Cache calls and Brainshark data to reduce API calls and provide a better experience for users of your solution.
- ❏ Never cache audio or image assets.
- ❏ All text passed to Brainshark should be UTF-8 encoded.
- ❏ Brainshark is constantly making improvements to its services and will occasionally end of life older versions of its web services. Brainshark will give customers 6 months notice prior to terminating any version of the web services.
- ❏ Maintenance Windows
  - Brainshark provides its customers with documented maintenance windows during which time the application may be unavailable. The solution must handle the situation when Brainshark is down for maintenance.
- ❏ Only ask for the minimum data fields your application needs to work properly.
- ❏ Do not try to exceed or circumvent your limitations on calls and use. This includes creating multiple applications for identical, or largely similar, usage (e.g. having one application per customer). If we believe that you have exceeded or circumvented our limitations, or if you have tried to, we may temporarily suspend or permanently block your access to the APIs, disable your developer account, or both.
- ❏ Do not download, scrape, post, or transmit, in any form or by any means, any part of our Website or Content.
- ❏ Do not copy, reformat, reverse-engineer, or otherwise modify the APIs, Access Credentials, our Website, or any Content.
- ❏ Do not interfere with or disrupt Brainshark services or servers or networks connected to Brainshark services, or disobey any requirements, procedures, policies, or regulations of networks connected to Brainshark services.

### **Administrative APIs**

The Administrative APIs focus on the house-keeping chores associated with most application scenarios. Many applications require the creation of a Private Session (akin to an administrative login to Brainshark) before getting to the application's objectives.

These administrative APIs also cover the creation of sessions for specific individuals. These sessions impact the return of data related for the specific logged in user. For example, provide a list of courses or presentations only available to the logged in user.

Lastly, the Report API offers a way to emulate any of the Brainshark Presentation or Learning reports and return the data specified by specifying the columns and filters.

## Session (Create Public Session)

<b>Description</b>	<p>Open a Public Session., this allows the opening of a session without the need to present user credentials. The sid, sky, uid values returned are then presented to other APIs to retrieve content.</p> <p>A public session may only be used for viewing public presentations.</p>						
<b>Method</b>	POST						
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/session.ashx						
<b>Parameters</b>	<table border="1"> <thead> <tr> <th data-bbox="560 527 868 590">Name</th> <th data-bbox="868 527 1015 590">Required / Optional</th> <th data-bbox="1015 527 1421 590">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="560 590 868 663">login_dir</td> <td data-bbox="868 590 1015 663">R</td> <td data-bbox="1015 590 1421 663">Value (name of Brainshark site)</td> </tr> </tbody> </table>	Name	Required / Optional	Description	login_dir	R	Value (name of Brainshark site)
Name	Required / Optional	Description					
login_dir	R	Value (name of Brainshark site)					
<b>Samples</b>	<p>Create a Public Session</p> <ul style="list-style-type: none"> <li>Calling parameters: login_dir=test</li> </ul> <pre data-bbox="544 737 1421 1136"> {   FirstName: "",   LastName: "",   Id: 28917694,   isAdmin: false,   isAuthor: false,   Key: "6239e7c965e440a1a44576861a46e87c",   LastVisitDate: -62135578800,   Token: "",   UID: 0,   SessionToken: "6239e7c965e440a1a44576861a46e87cx01B93FBEx0" } </pre> <p><b>Note: Public sessions return a userid (uid) = 0 (an invalid userid)</b></p>						
<b>Error Responses</b>	<pre data-bbox="544 1203 1421 1367"> {   "StatusCode":400,   "Error":"Invalid login_dir.",   "ErrorCode":"0" } </pre> <p>Other errors returned include:</p> <ul style="list-style-type: none"> <li>No login_dir provided.</li> <li>No arguments provided</li> <li>Could not create a public session.</li> </ul>						
<b>Contextual Usage</b>	<ul style="list-style-type: none"> <li>Open a Brainshark session without presenting user credentials.</li> <li>Use the returned sid, sky, uid values to feed to the presentation API to fetch information</li> </ul>						
<b>Fields Returned</b>	<p><b>FirstName:</b> For public sessions the first name is always the empty string.  <b>LastName:</b> For public sessions the first name is always the empty string.  <b>Id:</b> The Session ID  <b>isAdmin:</b> For public sessions this is always false.  <b>isAuthor:</b> For public sessions this is always false.  <b>Key:</b> The session key</p>						

Brainshark Rest Web Services APIs

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	<p><b>LastVisitDate:</b> For public sessions this value is meaningless.</p> <p><b>Token:</b> For public sessions this value is meaningless.</p> <p><b>Uid:</b> For public sessions this is always 0.</p>
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**Session (Create Private Session)**

<b>Description</b>	Open a Brainshark Private Session. This is equivalent to logging into Brainshark by providing Brainshark User Credentials. The returned sid, sky, uid values may be passed to other APIs for further operation.		
<b>Method</b>	POST		
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/session.ashx		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	login_dir	R*	Value (name of Brainshark site)
	username	R*	Value (Brainshark user name)
	password	R*	Value (Brainshark user password)
	token	O*	Used to temporarily log in a user. This is the value of the TokenID from the TOKEN API
	ticket	O*	Used to temporarily log in a user. This is the value of the TicketID from the TICKET API

<b>Sample</b>	<p>https://www.brainshark.com/brainshark/webservices_mobile/session.ashx</p> <p>Calling parameters: login_dir=test&amp;username=student&amp;password=password</p>
<b>Response Example</b>	<pre>{   "FirstName": "Student",   "LastName": "Viewer",   "Id": 318697750,   "isAdmin": false,   "isAuthor": false,   "Key": "00f168aae2654d17b2ef7fb00c002b8c",   "LastVisitDate": -62135578800,   "Token": "",   "Uid": 1078435,   "SessionToken":   "d4065eb69f0f43b4b5e   a21e52022c657x002A19   DDx2752230" }</pre>

## Brainshark Rest Web Services APIs

<b>Error Responses</b>	<pre>{   "StatusCode":400,</pre>
	<pre>  "Error": "Invalid login_dir.",   "ErrorCode": "0" }</pre> <pre>{   "StatusCode":400,   "Error": "No username provided.",   "ErrorCode": "0" }</pre> <pre>{   "StatusCode":400,   "Error": "No password provided.",   "ErrorCode": "0" }</pre> <pre>{   "StatusCode":400,   "Error": "Could not create session.",   "ErrorCode": "50205" }</pre> <p>Other errors returned include:</p> <ul style="list-style-type: none"> <li>• No login_dir provided.</li> <li>• No arguments provided</li> <li>• User not found.</li> <li>• Ticket ID and Login Directory are required for a UserTicket session request.</li> <li>• User does not exist in the specified company.</li> <li>• User Ticket expired.</li> <li>• Webservices require user ticket with 'All' access.</li> <li>• User ticket does not exist or was already used.</li> <li>• Invalid session data.</li> </ul>
<b>Contextual Usage</b>	<ul style="list-style-type: none"> <li>• Opening a Private Session is equivalent to logging into a Brainsharksite</li> <li>• The returned sid, sky, uid values may then be passed to other APIs (e.g., Folder) to fetch content information</li> </ul>
<b>Fields Returned</b>	<p><b>FirstName:</b> The first name, as set in the user profile, for the user who created this session.</p> <p><b>LastName:</b> The last name, as set in the user profile, for the user who created this session.</p> <p><b>Id:</b> The Session ID</p> <p><b>isAdmin:</b> If the user who created this session is a company administrator this will return true, otherwise false.</p> <p><b>isAuthor:</b> If the user who created this session is an author this will return true, otherwise false.</p> <p><b>Key:</b> The session key</p> <p><b>LastVisitDate:</b> See Appendix A for reading Brainshark dates</p> <p><b>Token:</b> For public sessions this value is meaningless.</p> <p><b>Uid:</b> The user id</p>

\* While these fields are not explicitly required, you must choose a means of authenticating a user to Brainshark. For example, if you would like to authenticate to Brainshark using username and password, then you must also provide the login directory. Additionally, if you would like to authenticate using a unique company identifier, then you would also have to pass the login directory in this case as well. Depending upon how you authenticate to Brainshark will determine what fields are required to complete authentication.

NOTE: In order to use the REST API with a Brainshark company configured to make use of SSO-only you must use a Company Administrator to create sessions. No other user types are enabled to access the API in this configuration.

## User Ticket

<b>Description</b>	A request from a company administrator to create a temporary session ticket for another user in their company.																		
<b>Method</b>	POST																		
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/userticket.ashx																		
<b>Parameters</b>	<table border="1"> <thead> <tr> <th>Name</th> <th>Required / Optional</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>sid</td> <td>R</td> <td>Session id  Derived from Session Creation. Along with sky, securely identifies the session</td> </tr> <tr> <td>sky</td> <td>R</td> <td>Session key  Derived from the Session Creation. Along with sid, securely identifies the session</td> </tr> <tr> <td>uid</td> <td>R</td> <td>UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.</td> </tr> <tr> <td>login_dir</td> <td>R</td> <td>A unique directory that is given to each Brainshark company, which is typically used in accessing a company's Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a>; in this example "testCompany" would be the login directory).</td> </tr> <tr> <td>userid</td> <td>R</td> <td>UserId of the Brainshark user receiving the temporary session ticket</td> </tr> </tbody> </table>	Name	Required / Optional	Description	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.	login_dir	R	A unique directory that is given to each Brainshark company, which is typically used in accessing a company's Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a> ; in this example "testCompany" would be the login directory).	userid	R	UserId of the Brainshark user receiving the temporary session ticket
Name	Required / Optional	Description																	
sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session																	
sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session																	
uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.																	
login_dir	R	A unique directory that is given to each Brainshark company, which is typically used in accessing a company's Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a> ; in this example "testCompany" would be the login directory).																	
userid	R	UserId of the Brainshark user receiving the temporary session ticket																	
<b>Samples</b>	<p>https://www.brainshark.com/brainshark/webservices_mobile/userticket.ashx</p> <p>Parameters:  sid=325598401  &amp;sky=11b08be6d5b144c98d0e26fbf7ddde20  &amp;uid=57536  &amp;login_dir=ayoung  &amp;userid=64672</p>																		
<b>Response Example</b>	{ <b>TicketKey</b> : "953f7a5ec4aa48cf977900bccd624626", <b>CompanyId</b> : 1305797}																		



## Brainshark Rest Web Services APIs

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<b>Error Reponses</b>	When userid is incorrect: <pre>{   "StatusCode":400,   "Error":"User does not belong to the specified company.",   "ErrorCode":"0" }</pre>
<b>Contextual Usage</b>	Create a temporary session 'ticket' for a user other than the administrator <ul style="list-style-type: none"><li>• Open a Private Session</li><li>• Call the UserTicket API with appropriate userid</li><li>• Call a Private Session with the TicketKey returned</li></ul>

**Note:**

The user making this request must be a Brainshark Company Administrator

## Token

<b>Description</b>	Create an Auto-login token for Brainshark.		
<b>Method</b>	POST		
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/token.aspx		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.
	login_dir	O	This is optional unless sid,sky,uid is not provided. A unique directory that is given to each Brainshark company, which is typically used in accessing a company's Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a> ; in this example "testCompany" would be the login directory).
	username	O	This is optional unless sid,sky,uid is not provided. Username of the Brainshark user receiving the temporary auto login token
	email	O	The user's email address. This is optional unless sid,sky,uid is not provided.
	email_token	O	Value (0,1). Determines whether to send token to user via email. This is optional unless sid,sky,uid is not provided.

## Brainshark Rest Web Services APIs

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	url	O	url to include within the token email. This is optional unless sid,sky,uid is not provided.
<b>Samples</b>	https://www.brainshark.com/brainshark/webservices_mobile/token.ashx		
	Parameters: sid=327141387 &sky=d72b284260344c3187e4d1f0eafc34e2 &uid=57536		
<b>Response Example</b>	{ "Token": "ab956691-4c38-4282-8739-9e12c47e0349" }		
<b>Error Reponses</b>	When userid is incorrect:  {{ "StatusCode": 400, "Error": "Unable to create token.", "ErrorCode": "0" }}		
<b>Contextual Usage</b>	Create a temporary session 'token' for a user other than the administrator		
	<ul style="list-style-type: none"><li>• Open a Private Session</li><li>• Call the Token API with appropriate parameters</li><li>• Call a Private Session with the Token returned</li></ul>		

### Note:

The user making this request must be a Brainshark Company Administrator

## Report

<b>Description</b>	<p>Retrieving data from one of the Brainshark Reports.</p> <p>NOTE:</p> <p>Brainshark reporting information is returned in a modified CSV/JSON style format. Each row of data is a separate JSON element and the row of data is contained within this one element as a comma-separated list. The report data always contains a single header row where the column names are contained in a comma-separated list.</p> <p>If an optional parameter is not being used then Brainshark expects the default of ALL to be used for that unused parameter. Example: If Category_id is not required for the API call you are using then Brainshark will by default look at ALL category_ids. For any parameter that will not use a default of ALL this doc should specify what the default is. CSV is always the default for the output</p>															
<b>Method</b>	GET															
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/report.ashx">https://www.brainshark.com/brainshark/webservices_mobile/report.ashx</a>															
<b>Parameters</b>	<table border="1"> <thead> <tr> <th data-bbox="544 850 868 913">Name</th> <th data-bbox="868 850 1015 913">Required / Optional</th> <th data-bbox="1015 850 1435 913">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="544 913 868 1113">sid</td> <td data-bbox="868 913 1015 1113">R</td> <td data-bbox="1015 913 1435 1113">                     Session id                       Derived from Session Creation. Along with sky, securely identifies the session                 </td> </tr> <tr> <td data-bbox="544 1113 868 1312">sky</td> <td data-bbox="868 1113 1015 1312">R</td> <td data-bbox="1015 1113 1435 1312">                     Session key                       Derived from the Session Creation. Along with sid, securely identifies the session                 </td> </tr> <tr> <td data-bbox="544 1312 868 1501">uid</td> <td data-bbox="868 1312 1015 1501">R</td> <td data-bbox="1015 1312 1435 1501">                     UserId                       Derived from the Session Creation. Identifies the user conducting the Private Session.                 </td> </tr> <tr> <td data-bbox="544 1501 868 1604">path</td> <td data-bbox="868 1501 1015 1604">R</td> <td data-bbox="1015 1501 1435 1604">Brainshark path to the report requested:</td> </tr> </tbody> </table>	Name	Required / Optional	Description	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.	path	R	Brainshark path to the report requested:
Name	Required / Optional	Description														
sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session														
sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session														
uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.														
path	R	Brainshark path to the report requested:														

**Path Samples**

**Viewing Details by Presentation (example)**

/Brainshark Reports/Presentation Reports/Viewing Details by Presentation

To determine the path of any Brainshark report:

- From the Brainshark user interface navigate to the report.
  - Note the navigational breadcrumb above the report title which will look something like this: Report Catalog: Brainshark Reports > Administration Reports > Activity Summary. The path is derived by taking the string from Brainshark Reports forward, replacing the greater than symbol (>) with a forward slash (/) and removing spaces at the beginning and end of the strings.
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## Available Brainshark Reports

### Presentations

Ref#	Report Title	Path
1	<p><b>Viewing Details by Presentation</b> No Parameters required</p> <p>"Header": "Sort_Title,Sort2,Sort3,DateTime,ViewerInfo,ViewingTime,ViewTotalSlidesViewed,ViewTotalPctofDuration,ViewTotalPctofSlides,ViewTotalPoints,ViewTotalScore,ViewType,TrackingCode,Author,AuthorEMail,AuthorFirstName,AuthorLastName,AuthorUserName,GBCompany,GBCustom1,GBCustom10,GBCustom2,GBCustom3,GBCustom4,GBCustom5,GBCustom6,GBCustom7,GBCustom8,GBCustom9,GBDepartment,GBEMail,GBFirstName,GBLastName,GBPhone,GBTitle,IntegrationAppKey1,IntegrationAppKey2,IntegrationAppKey3,IntegrationAppKey4,IntegrationAppKey5,IntegrationKey,NetworkName,CreateDate,LastUpdatedDate,PresentationDuration,PresentationExpirationDate,FolderName,PresentationID,IsActive,IsArchived,PresentationDeleted,PresentationPossiblePoints,PresentationSlideCount,Title,URL,Sender,SenderCompanyName,SenderEMail,SenderFirstName,SenderLastName,SenderSiteName,SenderUserName,PercentDuration,PercentScore,PercentSlidesViewed,CallDuration,UnhookedFlash,UnhookedReal,UnhookedWMP,ViewUnhookedDuringView,ViewHasGlb,ViewHTTPReferrer,ViewIPAddress,ViewIPCity,ViewIPCountry,ViewIPRegion,ViewCompleted,ViewsMobile,ViewsPodcast,ViewKey,Points,ViewPrinted,SlidesViewed,ViewSynStatus,ViewUserAgent,Viewer,ViewerAddress1,ViewerAddress2,ViewerCity,ViewerCompany,ViewerCountry,ViewerCustom1,ViewerCustom10,ViewerCustom2,ViewerCustom3,ViewerCustom4,ViewerCustom5,ViewerCustom6,ViewerCustom7,ViewerCustom8,ViewerCustom9,ViewerDateCreated,ViewerDateLastVisit,ViewerDepartment,ViewerEMail,ViewerFirstName,ViewerLastName,ViewerPostalCode,ViewerState,ViewerTitle,ViewerUniqueCompany,ViewerUserName"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Details by Presentation</p> <p><b>Standard Default Parameters</b>                      Category_id =Folderid                      Recurse_categories= True/False (default=False)                      Presentation_list = PresentationID (comma separated list)                      Begin_date (viewed on or after) = Date (or DateTime)                      End_date (viewed on or before) = Date (or DateTime)                      Output = csv,namevalue                      SelColumnList = Columns (comma separated list)                      include_previews = True/False (default=False)                      author_group_id = Groupid                      viewer_group_id = Groupid</p> <p><b>Custom Filters that are supported but fields do not return in results:</b>                      cf_Presentation_Has_Score</p> <p>Parameters not supported via API:                      GroupBy1 (1st Sort)                      GroupBy1_subtotal (Include Subtotals)                      GroupBy2 (2nd Sort)                      GroupBy2_subtotal (Include Subtotals)                      GroupBy3 (3rd Sort)                      GroupBy3_subtotal                      GroupBy1_direction                      GroupBy2_direction                      GroupBy3_direction</p> <p>These fields are not supported for using as a custom filter:                      NetworkName                      Presentation_Status                      Sender_Partner_Company                      Sort_Title</p>
2	<p><b>Viewing Details by Viewer</b> category_id parameter required (folderid)</p> <p>List of Default Columns returned                      "Header": "Sort_ViewerInfo,Sort_Title,Sort3,DateTime,ViewerInfo,ViewingTime,ViewTimeListened,ViewTotalSlidesViewed,ViewTotalPctofDuration,ViewTotalPctofSlides,ViewTotalPoints,ViewTotalScore,ViewType,TrackingCode"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Details by Viewer</p> <p><b>Standard Default Parameters</b>                      Category_id = Folderid (required parameter)                      Recurse_categories = True/False (default=False)                      Presentation_list = PresentationID (comma separated list)                      Begin_date (viewed on or after) = Date (or DateTime)                      End_date (viewed on or before) = Date (or DateTime)                      SelColumnList = Columns (comma separated list, defaults to Columns listed to left but additional columns can be included if specified which is same list as Viewing Details by Pres report default columns)                      Output = csv,namevalue                      include_previews = True/False (default=False)                      viewer_group_id = Groupid                      author_group_id = Groupid</p>

## Brainshark Rest Web Services APIs

		<p>Parameters not supported via API:</p> <ul style="list-style-type: none"> <li>GroupBy1 (1st Sort)</li> <li>GroupBy1_subtotal (Include Subtotals)</li> <li>GroupBy2 (2nd Sort)</li> <li>GroupBy2_subtotal (Include Subtotals)</li> <li>GroupBy3 (3rd Sort)</li> <li>GroupBy3_subtotal</li> <li>GroupBy1_direction</li> <li>GroupBy2_direction</li> <li>GroupBy3_direction</li> </ul> <p>These fields are not supported for using as a custom filter:</p> <ul style="list-style-type: none"> <li>NetworkName</li> <li>Presentation_Status</li> <li>Sender_Partner_Company</li> <li>Sort_Title</li> </ul>																																														
3	<p><b>Viewing Summary by Presentation</b></p> <p>No Parameters required</p> <p>"Header": "Sort_Title,Sort_Author,Sort3,Views,SlidesViewed,ViewingTime,AveragePercentCompleted,AveragePercentDuration,AverageScore"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Summary by Presentation</p> <p><b>Standard Default Parameters</b></p> <ul style="list-style-type: none"> <li>Category_id = Folderid</li> <li>Recurse_categories = True/False (default=False)</li> <li>Presentation_list = PresentationID (comma separated list)</li> <li>Begin_date (viewed on or after) = Date (or DateTime)</li> <li>End_date (viewed on or before) = Date (or DateTime)</li> <li>Output = csv,namevalue</li> <li>Include_Previews = True/False (default=False)</li> <li>author_group_id = Groupid</li> <li>viewer_group_id = Groupid</li> </ul> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <table border="0" style="width: 100%;"> <tr> <td>Author_E_Mail</td> <td>View_IP_City</td> </tr> <tr> <td>Author_First_Name</td> <td>View_IP_Country</td> </tr> <tr> <td>Author_Last_Name</td> <td>View_IP_Region</td> </tr> <tr> <td>Author_User_Name</td> <td>View_Is_Mobile</td> </tr> <tr> <td>cf_Presentation_Has_Score</td> <td>View_Is_Podcast</td> </tr> <tr> <td>GB_Company</td> <td>View_Key_Identifier</td> </tr> <tr> <td>GB_Custom1</td> <td>View_Max_Slide</td> </tr> <tr> <td>GB_Custom10</td> <td>View_Pct_Complete</td> </tr> <tr> <td>GB_Custom2</td> <td>View_Pct_Duration</td> </tr> <tr> <td>GB_Custom3</td> <td>View_Points</td> </tr> <tr> <td>GB_Custom4</td> <td>View_Printed</td> </tr> <tr> <td>GB_Custom5</td> <td>View_Score_dyn</td> </tr> <tr> <td>GB_Custom6</td> <td>View_SyncStatus</td> </tr> <tr> <td>GB_Custom7</td> <td>View_Total_Pct_of_Duration_dyn</td> </tr> <tr> <td>GB_Custom8</td> <td>View_Total_Pct_of_Slides_dyn</td> </tr> <tr> <td>GB_Custom9</td> <td>View_Total_Points</td> </tr> <tr> <td>GB_Department</td> <td>View_Total_Score_dyn</td> </tr> <tr> <td>GB_E_Mail</td> <td>View_Total_Slides_Viewed</td> </tr> <tr> <td>GB_First_Name</td> <td>View_Tracking_Code</td> </tr> <tr> <td>GB_Last_Name</td> <td>View_Type_dyn</td> </tr> <tr> <td>GB_Phone_Number</td> <td>View_Unhooked_Flash</td> </tr> <tr> <td>GB_Title</td> <td>View_Unhooked_Real</td> </tr> <tr> <td>Integration_AppKey1</td> <td>View_Unhooked_WMP</td> </tr> </table>	Author_E_Mail	View_IP_City	Author_First_Name	View_IP_Country	Author_Last_Name	View_IP_Region	Author_User_Name	View_Is_Mobile	cf_Presentation_Has_Score	View_Is_Podcast	GB_Company	View_Key_Identifier	GB_Custom1	View_Max_Slide	GB_Custom10	View_Pct_Complete	GB_Custom2	View_Pct_Duration	GB_Custom3	View_Points	GB_Custom4	View_Printed	GB_Custom5	View_Score_dyn	GB_Custom6	View_SyncStatus	GB_Custom7	View_Total_Pct_of_Duration_dyn	GB_Custom8	View_Total_Pct_of_Slides_dyn	GB_Custom9	View_Total_Points	GB_Department	View_Total_Score_dyn	GB_E_Mail	View_Total_Slides_Viewed	GB_First_Name	View_Tracking_Code	GB_Last_Name	View_Type_dyn	GB_Phone_Number	View_Unhooked_Flash	GB_Title	View_Unhooked_Real	Integration_AppKey1	View_Unhooked_WMP
Author_E_Mail	View_IP_City																																															
Author_First_Name	View_IP_Country																																															
Author_Last_Name	View_IP_Region																																															
Author_User_Name	View_Is_Mobile																																															
cf_Presentation_Has_Score	View_Is_Podcast																																															
GB_Company	View_Key_Identifier																																															
GB_Custom1	View_Max_Slide																																															
GB_Custom10	View_Pct_Complete																																															
GB_Custom2	View_Pct_Duration																																															
GB_Custom3	View_Points																																															
GB_Custom4	View_Printed																																															
GB_Custom5	View_Score_dyn																																															
GB_Custom6	View_SyncStatus																																															
GB_Custom7	View_Total_Pct_of_Duration_dyn																																															
GB_Custom8	View_Total_Pct_of_Slides_dyn																																															
GB_Custom9	View_Total_Points																																															
GB_Department	View_Total_Score_dyn																																															
GB_E_Mail	View_Total_Slides_Viewed																																															
GB_First_Name	View_Tracking_Code																																															
GB_Last_Name	View_Type_dyn																																															
GB_Phone_Number	View_Unhooked_Flash																																															
GB_Title	View_Unhooked_Real																																															
Integration_AppKey1	View_Unhooked_WMP																																															

## Brainshark Rest Web Services APIs

		<p>Integration_AppKey2 View_User_Agent</p> <p>Integration_AppKey3 View_Viewing_Time</p> <p>Integration_AppKey4 Viewer</p> <p>Integration_AppKey5 Viewer_Address1</p> <p>Integration_Key Viewer_Address2</p> <p>Network_Name Viewer_City</p> <p>Presentation_Date_Created Viewer_Company</p> <p>Presentation_Date_Last_Updated Viewer_Country</p> <p>Presentation_Duration Viewer_Custom1</p> <p>Presentation_Expiration_Date Viewer_Custom10</p> <p>Presentation_Folder_Name Viewer_Custom2</p> <p>Presentation_ID Viewer_Custom3</p> <p>Presentation_Is_Active_dyn Viewer_Custom4</p> <p>Presentation_Is_Archived Viewer_Custom5</p> <p>Presentation_Is_Deleted Viewer_Custom6</p> <p>Presentation_Possible_Points Viewer_Custom7</p> <p>Presentation_Slide_Count Viewer_Custom8</p> <p>Presentation_URL Viewer_Custom9</p> <p>Sender Viewer_Date_Created</p> <p>Sender_Company_Name Viewer_Date_Last_Visit</p> <p>Sender_E-Mail Viewer_Department</p> <p>Sender_First_Name Viewer_E-Mail</p> <p>Sender_Last_Name Viewer_First_Name</p> <p>Sender_User_Name Viewer_Info_dyn</p> <p>Sender_User_Profile_Company_Name Viewer_Last_Name</p> <p>View_Call_Duration Viewer_Postal_Code</p> <p>View_DateTime Viewer_State</p> <p>View_Has_GB_dyn Viewer_Title</p> <p>View_HTTP_Referrer Viewer_Unique_Company</p> <p>View_IP_Address Viewer_User_Name</p> <p><b>Parameters not supported via API:</b></p> <p>GroupBy1 (1st Sort)</p> <p>GroupBy2 (2nd Sort)</p> <p>GroupBy3 (3rd Sort)</p> <p>GroupBy1_direction</p> <p>GroupBy2_direction</p> <p>GroupBy3_direction</p> <p>These fields are not supported for using as a custom filter:</p> <p>Sort_Title</p> <p>AveragePercentCompleted</p> <p>AveragePercentDuration</p>
4	<p><b>Viewing Summary by Viewer</b></p> <p>No Parameters required</p> <p>"Header": "Sort_PresentationID,Sort_Title,Sort_ViewInfo,Views,SlidesViewed,ViewingTime,AveragePercentCompleted,AveragePercentDuration,AverageScore"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Summary by Viewer</p> <p><b>Standard Default Parameters</b></p> <p>Category_id = Folderid (default=Top Level Folder)</p> <p>Recurse_categories = True/False (default=False)</p> <p>Presentation_list = PresentationID (comma separated list)</p> <p>Begin_date (viewed on or after) = Date (or DateTime)</p> <p>End_date (viewed on or before) = Date (or DateTime)</p> <p>Output = csv,namevalue</p>



## Brainshark Rest Web Services APIs

	<p>Include_Previews = True/False (default=False)  author_group_id = Groupid  viewer_group_id = Groupid</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p>																																																																																		
	<table> <tr><td>Author_dyn</td><td>View_DateTime</td></tr> <tr><td>Author_E-Mail</td><td>View_Unhooked_Flash</td></tr> <tr><td>Author_First_Name</td><td>View_Unhooked_Real</td></tr> <tr><td>Author_Last_Name</td><td>View_Unhooked_WMP</td></tr> <tr><td>Author_User_Name</td><td>View_Unhooked_During_View_dyn</td></tr> <tr><td>GB_Company</td><td>View_Has_GB_dyn</td></tr> <tr><td>GB_Custom1</td><td>View_HTTP_Referrer</td></tr> <tr><td>GB_Custom10</td><td>View_IP_Address</td></tr> <tr><td>GB_Custom2</td><td>View_Completed</td></tr> <tr><td>GB_Custom3</td><td>View_Is_Mobile</td></tr> <tr><td>GB_Custom4</td><td>View_Is_Podcast</td></tr> <tr><td>GB_Custom5</td><td>View_Key_Identifier</td></tr> <tr><td>GB_Custom6</td><td>View_Points</td></tr> <tr><td>GB_Custom7</td><td>View_Printed</td></tr> <tr><td>GB_Custom8</td><td>View_SyncStatus</td></tr> <tr><td>GB_Custom9</td><td>View_Total_Pct_of_Duration_dyn</td></tr> <tr><td>GB_Department</td><td>View_Total_Pct_of_Slides_dyn</td></tr> <tr><td>GB_E-Mail</td><td>View_Total_Points</td></tr> <tr><td>GB_First_Name</td><td>View_Total_Score_dyn</td></tr> <tr><td>GB_Last_Name</td><td>View_Tracking_Code</td></tr> <tr><td>GB_Phone_Number</td><td>View_Type_dyn</td></tr> <tr><td>GB_Title</td><td>View_User_Agent</td></tr> <tr><td>Integration_AppKey1</td><td>Viewer</td></tr> <tr><td>Integration_AppKey2</td><td>Viewer_Address1</td></tr> <tr><td>Integration_AppKey3</td><td>Viewer_Address2</td></tr> <tr><td>Integration_AppKey4</td><td>Viewer_City</td></tr> <tr><td>Integration_AppKey5</td><td>Viewer_Company</td></tr> <tr><td>Integration_Key</td><td>Viewer_Country</td></tr> <tr><td>Network_Name</td><td>Viewer_Custom1</td></tr> <tr><td>Presentation_Date_Created</td><td>Viewer_Custom10</td></tr> <tr><td>Presentation_Date_Last_Updated</td><td>Viewer_Custom2</td></tr> <tr><td>Presentation_Duration</td><td>Viewer_Custom3</td></tr> <tr><td>Presentation_Is_Active_dyn</td><td>Viewer_Custom4</td></tr> <tr><td>Presentation_Is_Archived</td><td>Viewer_Custom5</td></tr> <tr><td>Presentation_Is_Deleted</td><td>Viewer_Custom6</td></tr> <tr><td>Presentation_Possible_Points</td><td>Viewer_Custom7</td></tr> <tr><td>Presentation_Slide_Count</td><td>Viewer_Custom8</td></tr> <tr><td>Presentation_URL</td><td>Viewer_Custom9</td></tr> <tr><td>Presentation_Expiration_Date</td><td>Viewer_Date_Created</td></tr> <tr><td>Presentation_Folder_Name</td><td>Viewer_Date_Last_Visit</td></tr> <tr><td>Sender</td><td>Viewer_Department</td></tr> </table>	Author_dyn	View_DateTime	Author_E-Mail	View_Unhooked_Flash	Author_First_Name	View_Unhooked_Real	Author_Last_Name	View_Unhooked_WMP	Author_User_Name	View_Unhooked_During_View_dyn	GB_Company	View_Has_GB_dyn	GB_Custom1	View_HTTP_Referrer	GB_Custom10	View_IP_Address	GB_Custom2	View_Completed	GB_Custom3	View_Is_Mobile	GB_Custom4	View_Is_Podcast	GB_Custom5	View_Key_Identifier	GB_Custom6	View_Points	GB_Custom7	View_Printed	GB_Custom8	View_SyncStatus	GB_Custom9	View_Total_Pct_of_Duration_dyn	GB_Department	View_Total_Pct_of_Slides_dyn	GB_E-Mail	View_Total_Points	GB_First_Name	View_Total_Score_dyn	GB_Last_Name	View_Tracking_Code	GB_Phone_Number	View_Type_dyn	GB_Title	View_User_Agent	Integration_AppKey1	Viewer	Integration_AppKey2	Viewer_Address1	Integration_AppKey3	Viewer_Address2	Integration_AppKey4	Viewer_City	Integration_AppKey5	Viewer_Company	Integration_Key	Viewer_Country	Network_Name	Viewer_Custom1	Presentation_Date_Created	Viewer_Custom10	Presentation_Date_Last_Updated	Viewer_Custom2	Presentation_Duration	Viewer_Custom3	Presentation_Is_Active_dyn	Viewer_Custom4	Presentation_Is_Archived	Viewer_Custom5	Presentation_Is_Deleted	Viewer_Custom6	Presentation_Possible_Points	Viewer_Custom7	Presentation_Slide_Count	Viewer_Custom8	Presentation_URL	Viewer_Custom9	Presentation_Expiration_Date	Viewer_Date_Created	Presentation_Folder_Name	Viewer_Date_Last_Visit	Sender	Viewer_Department
Author_dyn	View_DateTime																																																																																		
Author_E-Mail	View_Unhooked_Flash																																																																																		
Author_First_Name	View_Unhooked_Real																																																																																		
Author_Last_Name	View_Unhooked_WMP																																																																																		
Author_User_Name	View_Unhooked_During_View_dyn																																																																																		
GB_Company	View_Has_GB_dyn																																																																																		
GB_Custom1	View_HTTP_Referrer																																																																																		
GB_Custom10	View_IP_Address																																																																																		
GB_Custom2	View_Completed																																																																																		
GB_Custom3	View_Is_Mobile																																																																																		
GB_Custom4	View_Is_Podcast																																																																																		
GB_Custom5	View_Key_Identifier																																																																																		
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GB_First_Name	View_Total_Score_dyn																																																																																		
GB_Last_Name	View_Tracking_Code																																																																																		
GB_Phone_Number	View_Type_dyn																																																																																		
GB_Title	View_User_Agent																																																																																		
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Presentation_Expiration_Date	Viewer_Date_Created																																																																																		
Presentation_Folder_Name	Viewer_Date_Last_Visit																																																																																		
Sender	Viewer_Department																																																																																		

## Brainshark Rest Web Services APIs

		<p>Sender_User_Profile_Company_Name      Viewer_E_Mail</p> <p>Sender_E_Mail      Viewer_First_Name</p> <p>Sender_First_Name      Viewer_Last_Name</p> <p>Sender_Last_Name      Viewer_Postal_Code</p> <p>Sender_Company_Name      Viewer_State</p> <p>Sender_User_Name      Viewer_Title</p> <p>View_Pct_Duration      Viewer_Unique_Company</p> <p>View_Score_dyn      Viewer_User_Name</p> <p>View_Pct_Complete</p> <p>View_Call_Duration</p> <p>Parameters not supported via API:          GroupBy1 (1st Sort)          GroupBy2 (2nd Sort)          GroupBy3 (3rd Sort)          GroupBy1_direction          GroupBy2_direction          GroupBy3_direction</p> <p>These fields are not supported for using as a custom filter:          Sort_Title          Views          AveragePercentCompleted          AveragePercentDuration          AverageScore</p>
5	<p><b>Grade Book</b>          No Parameters required</p> <p>"Header": "PresentationID, Title, FolderName, URL, Viewer, DateTime, ViewingTime, TimeListened, SlidesViewed, PercentDuration, Points, Score, TrackingCode, GBFirstName, GBLastName, PhoneTime, SortBy, Optional1, Optional2, Optional3, PresentationDeleted, PresentationDuration, PresentationSlideCount"</p>	<p>/Brainshark Reports/Presentation Reports/Question Reports/Grade Book</p> <p><b>Standard Default Parameters</b>          Category_id = Folderid          Recurse_categories = True/False (default=False)          Presentation_ID = PresentationId          Begin_date (viewed on or after) = Date (or DateTime)          End_date (viewed on or before) = Date (or DateTime)          viewer_user_id = Userid          viewer_group_id = Groupid</p> <p><b>Parameters not supported via API:</b>          Groupby      IncludeDetails          sort_by      optcol1          minduration      optcol2          Trackingcode      optcol3          Minscore      Graph average score          IncludePreviews</p> <p>This report does not support the use of custom filters</p>
6	<p><b>Question Inventory</b>          No Parameters required</p> <p>"Header": "FolderName, PresentationID, Title, IsDeleted, IsArchived, IsActive, IsExpired, URL, QuestionType, QuestionNumber, Question, QuestionPoints, AnswerLabel, Answer, IsCorrect"</p>	<p>/Brainshark Reports/Presentation Reports/Question Reports/Question Inventory</p> <p><b>Standard Default Parameters</b>          Category_id = Folderid          Recurse_categories = True/False (default=False)          Presentation_list = PresentationID (comma separated list)</p> <p><b>Parameters not supported via API:</b>          ShowCorrect</p> <p>This report does not support the use of custom filters</p>

## Brainshark Rest Web Services APIs

7	<p><b>Question Response Details</b> Parameter to show detailed responses are required: show_q_and_a, Show_Poll_Details, Show_Survey_Details</p> <p>"Header": "FolderName, PresentationID, Title, URL, Viewer, DateTime, ViewingTime, SlidesViewed, TrackingCode, GBFirstName, GBLast Name, PresentationDuration, PresentationSlideCount, Points, Score, Call_Duration__seconds, Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44, Q45, Q46, Q47, Q48, Q49, Q50, Q51, Q52, Q53, Q54, Q55, Q56, Q57, Q58, Q59, Q60, Q61, Q62, Q63, Q64, Q65, Q66, Q67, Q68, Q69, Q70, Q71, Q72, Q73, Q74, Q75, GBEMail, GBCompany, GBTitle, GBDepartment, GBPhone, custom01, custom02, custom03, custom04, custom05, custom06, custom07, custom08, custom09, custom10, Author, AuthorUserName, AuthorEMail, IsArchived, IsDeleted, IsActive, IsExpired, Q76, Q77, Q78, Q79, Q80, Q81, Q82, Q83, Q84, Q85, Q86, Q87, Q88, Q89, Q90, Q91, Q92, Q93, Q94, Q95, Q96, Q97, Q98, Q99, Q100, Q101, Q102, Q103, Q104, Q105, Q106, Q107, Q108, Q109, Q110, Q111, Q112, Q113, Q114, Q115, Q116, Q117, Q118, Q119, Q120, Q121, Q122, Q123, Q124, Q125, Q126, Q127, Q128, Q129, Q130, Q131, Q132, Q133, Q134, Q135, Q136, Q137, Q138, Q139, Q140, Q141, Q142, Q143, Q144, Q145, Q146, Q147, Q148, Q149, Q150</p> <p>Example: <a href="https://www.brainshark.com/brainshark/webservices_mobile/Report.ashx?UID=604177&amp;SID=63406&amp;SKy=1bc30df6c8240f3826c96627f7f2d62&amp;selColumnList=gb_custom1%2cgb_custom2%2cgb_custom3%2cgb_custom4%2cgb_custom5%2cgb_first_name%2cgb_last_name%2cgb_e_mail%2cQuestion_Text%2cQuestion_Answer%2cpresentation_title_dyn%2cView_DateTime%2cpresentation_id%2cview_max_slide%2cView_Viewing_Time%2cview_completed&amp;presentation_list=9434256&amp;category_id=70511&amp;output=namevalue&amp;recurse_categories=true&amp;begin_date=2%2f3%2f2020&amp;end_date=5%2f4%2f2020&amp;path=%2fBrainshark%20Reports%2fPresentation%20Reports%2fQuestion%20Reports%2fQuestion%20Response%20Details&amp;show_q_and_a=true">https://www.brainshark.com/brainshark/webservices_mobile/Report.ashx?UID=604177&amp;SID=63406&amp;SKy=1bc30df6c8240f3826c96627f7f2d62&amp;selColumnList=gb_custom1%2cgb_custom2%2cgb_custom3%2cgb_custom4%2cgb_custom5%2cgb_first_name%2cgb_last_name%2cgb_e_mail%2cQuestion_Text%2cQuestion_Answer%2cpresentation_title_dyn%2cView_DateTime%2cpresentation_id%2cview_max_slide%2cView_Viewing_Time%2cview_completed&amp;presentation_list=9434256&amp;category_id=70511&amp;output=namevalue&amp;recurse_categories=true&amp;begin_date=2%2f3%2f2020&amp;end_date=5%2f4%2f2020&amp;path=%2fBrainshark%20Reports%2fPresentation%20Reports%2fQuestion%20Reports%2fQuestion%20Response%20Details&amp;show_q_and_a=true</a></p>	<p>/Brainshark Reports/Presentation Reports/Question Reports/Question Response Details</p> <p><b>Standard Default Parameters</b></p> <p>Category_id = Folderid Recurse_categories = True/False (default=False) Presentation_list = PresentationID (comma separated list) Begin_date (viewed on or after) = Date (or DateTime) End_date (viewed on or before) = Date (or DateTime) Output = csv,namevalue show_q_and_a (Show detailed responses for Examinations)= True/False (default=False) Show_Poll_Details (Show detailed responses for Polls) = True/False (default=False) Show_Survey_Details (Show detailed responses for Surveys)= True/False (default=False) author_group_id = Groupid viewer_group_id = Groupid</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <table border="0"> <tr><td>Answer</td><td>View_Pct_Duration</td></tr> <tr><td>Answer_Is_Correct</td><td>View_Printed</td></tr> <tr><td>Answer_Label</td><td>View_SyncStatus</td></tr> <tr><td>Answer_Response_Text</td><td>View_Total_Pct_of_Duration_dyn</td></tr> <tr><td>Answer_Response_Value</td><td>View_Total_Pct_of_Slides_dyn</td></tr> <tr><td>Answer_Text</td><td>View_Total_Points</td></tr> <tr><td>Author_First_Name</td><td>View_Total_Score_dyn</td></tr> <tr><td>Author_Last_Name</td><td>View_Type_dyn</td></tr> <tr><td>Author2</td><td>View_Unhooked_During_View_dyn</td></tr> <tr><td>cf_Presentation_Has_Score</td><td>View_Unhooked_Flash</td></tr> <tr><td>cf_Question_Type</td><td>View_Unhooked_Real</td></tr> <tr><td>Integration_AppKey1-5</td><td>View_Unhooked_WMP</td></tr> <tr><td>Presentation_Possible_Points</td><td>View_User_Agent</td></tr> <tr><td>Presentation_Status</td><td>Viewer_Address1</td></tr> <tr><td>Question_Format</td><td>Viewer_Address2</td></tr> <tr><td>Question_Number</td><td>Viewer_City</td></tr> <tr><td>Question_Text</td><td>Viewer_Company</td></tr> <tr><td>Question_Type</td><td>Viewer_Country</td></tr> <tr><td>Sender</td><td>Viewer_Custom1-10</td></tr> <tr><td>Sender_Company_Name</td><td>Viewer_Date_Created</td></tr> <tr><td>Sender_E-Mail</td><td>Viewer_Date_Last_Visit</td></tr> <tr><td>Sender_First_Name</td><td>Viewer_Department</td></tr> <tr><td>Sender_Last_Name</td><td>Viewer_E-Mail</td></tr> <tr><td>Sender_User_Name</td><td>Viewer_First_Name</td></tr> <tr><td>Sender_User_Profile_Company_Name</td><td>Viewer_Info_dyn</td></tr> <tr><td>View_Completed</td><td>Viewer_Last_Name</td></tr> <tr><td>View_Has_GB_dyn</td><td>Viewer_Postal_Code</td></tr> <tr><td>View_HTTP_Referrer</td><td>Viewer_State</td></tr> <tr><td>View_IP_Address</td><td>Viewer_Title</td></tr> <tr><td>View_Is_Mobile</td><td>Viewer_Unique_Company</td></tr> <tr><td>View_Is_Podcast</td><td>Viewer_User_Name</td></tr> </table>	Answer	View_Pct_Duration	Answer_Is_Correct	View_Printed	Answer_Label	View_SyncStatus	Answer_Response_Text	View_Total_Pct_of_Duration_dyn	Answer_Response_Value	View_Total_Pct_of_Slides_dyn	Answer_Text	View_Total_Points	Author_First_Name	View_Total_Score_dyn	Author_Last_Name	View_Type_dyn	Author2	View_Unhooked_During_View_dyn	cf_Presentation_Has_Score	View_Unhooked_Flash	cf_Question_Type	View_Unhooked_Real	Integration_AppKey1-5	View_Unhooked_WMP	Presentation_Possible_Points	View_User_Agent	Presentation_Status	Viewer_Address1	Question_Format	Viewer_Address2	Question_Number	Viewer_City	Question_Text	Viewer_Company	Question_Type	Viewer_Country	Sender	Viewer_Custom1-10	Sender_Company_Name	Viewer_Date_Created	Sender_E-Mail	Viewer_Date_Last_Visit	Sender_First_Name	Viewer_Department	Sender_Last_Name	Viewer_E-Mail	Sender_User_Name	Viewer_First_Name	Sender_User_Profile_Company_Name	Viewer_Info_dyn	View_Completed	Viewer_Last_Name	View_Has_GB_dyn	Viewer_Postal_Code	View_HTTP_Referrer	Viewer_State	View_IP_Address	Viewer_Title	View_Is_Mobile	Viewer_Unique_Company	View_Is_Podcast	Viewer_User_Name
Answer	View_Pct_Duration																																																															
Answer_Is_Correct	View_Printed																																																															
Answer_Label	View_SyncStatus																																																															
Answer_Response_Text	View_Total_Pct_of_Duration_dyn																																																															
Answer_Response_Value	View_Total_Pct_of_Slides_dyn																																																															
Answer_Text	View_Total_Points																																																															
Author_First_Name	View_Total_Score_dyn																																																															
Author_Last_Name	View_Type_dyn																																																															
Author2	View_Unhooked_During_View_dyn																																																															
cf_Presentation_Has_Score	View_Unhooked_Flash																																																															
cf_Question_Type	View_Unhooked_Real																																																															
Integration_AppKey1-5	View_Unhooked_WMP																																																															
Presentation_Possible_Points	View_User_Agent																																																															
Presentation_Status	Viewer_Address1																																																															
Question_Format	Viewer_Address2																																																															
Question_Number	Viewer_City																																																															
Question_Text	Viewer_Company																																																															
Question_Type	Viewer_Country																																																															
Sender	Viewer_Custom1-10																																																															
Sender_Company_Name	Viewer_Date_Created																																																															
Sender_E-Mail	Viewer_Date_Last_Visit																																																															
Sender_First_Name	Viewer_Department																																																															
Sender_Last_Name	Viewer_E-Mail																																																															
Sender_User_Name	Viewer_First_Name																																																															
Sender_User_Profile_Company_Name	Viewer_Info_dyn																																																															
View_Completed	Viewer_Last_Name																																																															
View_Has_GB_dyn	Viewer_Postal_Code																																																															
View_HTTP_Referrer	Viewer_State																																																															
View_IP_Address	Viewer_Title																																																															
View_Is_Mobile	Viewer_Unique_Company																																																															
View_Is_Podcast	Viewer_User_Name																																																															

## Brainshark Rest Web Services APIs

		<p>View_Key_Identifier                      Viewer2</p> <p>View_Max_Slide                              VW_access_id</p> <p>View_Pct_Complete</p> <p><b>Parameters not supported via API:</b>  Groupby (Sortby)  IncludePreviews</p> <p>These fields are not supported for using as a custom filter:  Author  AuthorEMail  AuthorUserName  Network_Name  Q1-Q150  IsExpired</p>
8	<b>Question Results Summary</b>	This report is not supported via API Webservices.
9	<p><b>Viewer Transcript</b>  No Parameters required</p> <p>"Header": "Viewer,UserName,EMail,DateTi  me,Title,PresentationID,ViewingTime,TimeL  istened,SlidesViewed,Duration,CorrectAnsw  ers,TotalPoints,Score,Optional1,Optional2,  Optional3"</p>	<p>/Brainshark Reports/Presentation Reports/Question Reports/Viewer  Transcript</p> <p><b>Standard Default Parameters</b>  Category_id = Folderid  Recurse_categories = True/False (default=False)  presentation_id = PresentationId  Begin_date (viewed on or after) = Date (or DateTime)  End_date (viewed on or before) = Date (or DateTime)  Output = csv,namevalue  GroupBy (SortBy) =0,1  0=Username  1=lastname  viewer_user_id (Only Views by this Viewer) = UserID  viewer_group_id = Groupid</p> <p><b>Parameters not supported via API:</b>  optcol1  optcol2  optcol3</p> <p>This report does not support the use of custom filters</p>
10	<p><b>Viewing Details with  Question Results</b>  No parameter required</p> <p>"Header": "Sort_Title,Sort2,Sort3,DateTime,  ViewerInfo,ViewingTime,ViewTimeListened,  ViewTotalSlidesViewed,ViewTotalPctofDura  tion,ViewTotalPctofSlides,ViewTotalPoints,  ViewTotalScore,ViewType,TrackingCode,Qu  estion,IsCorrect,Answer"</p>	<p>/Brainshark Reports/Presentation Reports/Question Reports/Viewing Details  with Question Results</p> <p><b>Standard Default Parameters</b>  Category_id = Folderid  Recurse_categories = True/False (default=False)  Presentation_list = PresentationID (comma separated list)  Begin_date (viewed on or after) = Date (or DateTime)  End_date (viewed on or before) = Date (or DateTime)  Output = csv,namevalue  SelColumnList = Columns (comma separated list, Defaults to Columns listed to left but  additional columns can be included if specified which is same list as Viewing Details by  Pres report default columns)  Include_Previews = True/False (default=False)  author_group_id = Groupid  viewer_group_id = Groupid</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <p>Answer_Label                      cf_Question_Type</p> <p>Answer_Text                        Question_Format</p> <p>AnswerSort                         Question_Number</p> <p>Author2                              Question_Type</p> <p>cf_Presentation_Has_Score</p>

## Brainshark Rest Web Services APIs

		<p>Parameters not supported via API:</p> <ul style="list-style-type: none"> <li>Groupby1 (Sortby)</li> <li>GroupBy2 (Sortby2)</li> <li>GroupBy2 (Sortby3)</li> <li>GroupBy1_direction</li> <li>GroupBy2_direction</li> <li>GroupBy3_direction</li> </ul> <p>These fields are not supported for using as a custom filter:</p> <ul style="list-style-type: none"> <li>Network_Name</li> <li>Sort_Title</li> <li>Viewer2</li> <li>VW_access_id</li> </ul>
11	<p><b>Presentation Creation</b></p> <p>Groupby Parameter Required  "Header": "FolderName, Author, Author_User_Name, DateCreated, IVRSessionDate, PresentationID, Title, URL, ShortTitle, PresentationDeleted, PresentationDuration, PhoneTime, DateDeleted, IsArchived, Total_Views, Total_Minutes_Viewed, Date_Of_Last_View"</p> <p>UI Parameter Not supported via API:  date_range_for_scheduled  requesting_user_id</p>	<p>/Brainshark Reports/Presentation Reports/Presentation Creation</p> <p><b>Standard Default Parameters</b></p> <p>Groupby (Required)(Sortby) = 1,2  1=Author Last name  2= Date created  Category_id = Folderid  Recurse_categories = True/False (default=False)  presentation_id = PresentationId  Begin_date (created on or after) = Date (or DateTime)  End_date (created on or before) = Date (or DateTime)  Output = csv,namevalue  author_group_id = Groupid</p> <p><b>Parameters not supported via API:</b>  OnlyPresentationsbythisauthor  include_deleted  include_inactive  CombineRecordingTimeforEachPresentation  include_archived</p> <p>This report does not support the use of custom filters</p>
12	<p><b>Presentations Data</b></p> <p>No Parameters required</p> <p>"Header": "Date_Created, Pres_ID, Title, Author, Author_User_ID, Duration_Seconds, PhoneTime_Seconds, File_Size_KB, Is_Deleted, Is_Active, Date_Last_Modified, Folder_ID, Folder_Path, Slide_Count, Deleted_Date, Author_User_Name, Expiration_Date, IsArchived, Total_Views, Total_Minutes_Viewed, Date_Of_Last_View, Presentation_Tags, Presentation_Filters"</p>	<p>/Brainshark Reports/Presentation Reports/Data Download/Presentations Data</p> <p><b>Standard Default Parameters</b></p> <p>Category_id = Folderid  Recurse_categories = True/False (default=False)  presentation_id = PresentationId  Begin_date (created on or after) = Date (or DateTime)  End_date (created on or before) = Date (or DateTime)  Output = csv,namevalue  author_group_id = Groupid</p> <p><b>Parameters not supported via API:</b>  author_id  include_deleted  include_inactive  sum_ivr_for_csv  include_archived</p> <p>This report does not support the use of custom filters</p>

## Brainshark Rest Web Services APIs

<p>13</p>	<p><b>Viewer Clickpath Details</b> No Parameters required</p> <p>"Header": "Sort_Title,Sort2,Sort3,DateTime,ViewerInfo,ViewingTime,ViewTotalSlidesViewed,ViewTotalPctofDuration,ViewTotalPctofSlides,ViewTotalPoints,ViewTotalScore,ViewType,TrackingCode,ClickStreamActivity,ClickStreamDuration"</p>	<p>/Brainshark Reports/Presentation Reports/Viewer Clickpath Tracking Reports/Viewer Clickpath Details</p> <p><b>Standard Default Parameters</b></p> <p>Category_id = Folderid  Recurse_categories = True/False (default=False)  Presentation_list = PresentationID (comma separated list)  Begin_date = Date (or DateTime) (if specified views on or after 1year prior to today, defaults to all if not defined but will show (No detail available) for views that occurred more than 1 year ago)  End_date = Date (or DateTime)(if specified views on or before 1year prior to today, defaults to now if not defined but will show (No details available) for views that occurred more than 1 year ago)  Output = csv,namevalue  SelColumnList = Columns (comma separated list, Defaults to Columns listed to left but additional columns can be included if specified which is same list as Viewing Details by Pres report default columns)  Include_Previews = True/False (default=False)  author_group_id = Groupid  viewer_group_id = Groupid</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <p>Author_dyn                      ClickStream_Seconds_Listened  Author_E_Mail                      ClickStream_Seconds_Viewed  Author_First_Name                      ClickStream_Sequence_Number  Author_Last_Name                      ClickStream_Slide_Duration  Author_User_Name                      ClickStream_Slide_Number  cf_Presentation_Has_Score                      ClickStream_Slide_Title  ClickStream_CreatedDate                      ClickStream_Supplement_Launched_After  ClickStream_DateTime_dyn                      ClickStream_Supplement_Name  ClickStream_Event_Type                      Presentation_Status</p> <p><b>Parameters not supported via API:</b>  Groupby1 (1st sort)  GroupBy2 2nd sort)  GroupBy2 (3rd sort)  GroupBy1_direction  GroupBy2_direction  GroupBy3_direction</p> <p>Custom Filters not supported:  Network_Name  Presentation_Is_Deleted  Sort_Title  View_IP_City  View_IP_Country  View_IP_Region</p>
<p>14</p>	<p><b>Viewer Clickpath Summary</b></p>	<p>This report is not supported via API Webservices.</p>
<p>15</p>	<p><b>Viewer Retention</b> presentation_id parameter required</p> <p>"Header": "SlidesViewed,Views,PercentViews"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Analysis Reports/Viewer Retention</p> <p><b>Standard Default Parameters</b></p> <p>presentation_id = PresentationId (required)  Include_Previews = True/False (default=False)</p> <p><b>Parameters not supported via API:</b>  Minimum_Viewing_Time</p> <p>This report does not support the use of custom filters</p>

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<p>16</p>	<p><b>Viewing Usage Data</b> No Parameters required</p> <p>"Header": "View_Key_Identifier,Folder_Name,Pres_ID,Title,Author,Viewer,Company,Date_Time,Viewing_Time__seconds,Max_Slide,Unhooked_WMP,Unhooked_Real,Unhooked_Flash,Tracking_Code,Call_Start_Time,Call_Duration__seconds,GB_First_Name,GB_Last_Name,GB_E_mail,GB_Company,GB_Title,GB_Department,GB_Phone_Number,custom01,custom02,custom03,custom04,custom05,custom06,custom07,custom08,custom09,custom10,Author_User_Name,Viewer_User_Name,Presentation_Deleted,Presentation_Duration__seconds,Presentation_Slide_Count,Viewer_Title,Viewer_Department,CreateDate,LastUpdatedDate,IsPodcast,Is_Archived,printed"</p>	<p>/Brainshark Reports/Presentation Reports/Data Download/Viewing Usage Data</p> <p><b>Standard Default Parameters</b> Category_id = Folderid Recurse_categories = True/False (default=False) presentation_id = PresentationId Begin_date (created on or after) = Date (or DateTime) End_date (created on or before) = Date (or DateTime) Output = csv,namevalue author_id (Only presentations by this author) = UserID author_group_id = Groupid viewer_user_id (Only views by this user) = UserID viewer_group_id = Groupid</p> <p><b>Parameters not supported via API:</b> requesting_user_only_author (Include only presentations I have authored) include_deleted (Include deleted presentations) include_archived (Include Archived Presentations)</p> <p>This report does not support the use of custom filters</p>
<p>17</p>	<p><b>Views by Day</b> category_id Parameter required</p> <p>"Header": "View Key Identifier_label,View KeyIdentifier,_chart1_CategoryGroup2_label,View Key Identifier_chart1_CategoryGroup2_Value_DataValue0"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Analysis Reports/Views by Day</p> <p><b>Standard Default Parameters</b> Category_id = Folderid is required Recurse_categories = True/False (default=False) Presentation_list = PresentationID (comma separated list) Begin_date (viewed on or after) = Date (or DateTime) End_date (viewed on or before) = Date (or DateTime) Output = csv,namevalue Include_Previews = True/False (default=False) author_group_id = Groupid viewer_group_id = Groupid</p> <p>This report does not support the use of custom filters</p>
<p>18</p>	<p><b>Views by Day of Week</b> No Parameters required</p> <p>"Header": "DayOfWeek,Views,PercentTotalViews"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Analysis Reports/Views by Day of Week</p> <p><b>Standard Default Parameters</b> Category_id = Folderid Recurse_categories = True/False (default=False) Presentation_list = PresentationID (comma separated list) Begin_date (viewed on or after) = Date (or DateTime) End_date (viewed on or before) = Date (or DateTime) Output = csv,namevalue Include_Previews = True/False (default=False) author_group_id = Groupid viewer_group_id = Groupid</p> <p><b>Parameters not supported via API:</b> min_view_minutes (Minimum_Viewing_Time)</p> <p>This report does not support the use of custom filters</p>
<p>19</p>	<p><b>Views by Hour of Day</b> No Parameters required</p> <p>"Header": "Hour,Views,PercentTotalViews"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Analysis Reports/Views by Hour of Day</p> <p><b>Standard Default Parameters</b> Category_id = Folderid Recurse_categories = True/False (default=False) Presentation_list = PresentationID (comma separated list) Begin_date (viewed on or after) = Date (or DateTime)</p>

## Brainshark Rest Web Services APIs

		<p>End_date (viewed on or before) = Date (or DateTime)  Output = csv,namevalue  Include_Previews = True/False (default=False)  author_group_id = Groupid  viewer_group_id = Groupid</p> <p>Parameters not supported via API:  min_view_minutes (Minimum_Viewing_Time)</p> <p>This report does not support the use of custom filters</p>
20	<p><b>Views by Month of Year</b>  No Parameters required</p> <p>"Header": "Month, Views, ViewingTime, AverageViewingTime"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Analysis Reports/Views by Month of Year</p> <p>Standard Default Parameters  Category_id = Folderid  Recurse_categories = True/False (default=False)  Presentation_list = PresentationID (comma separated list)  Begin_date (viewed on or after) = Date (or DateTime)  End_date (viewed on or before) = Date (or DateTime)  Output = csv,namevalue  Include_Previews = True/False (default=False)</p> <p>Parameters not supported via API:  min_view_minutes (Minimum_Viewing_Time)</p> <p>This report does not support the use of custom filters</p>
21	<p><b>Views by Week</b>  category_id Parameter required  *Max data returned is 1 year of data</p> <p>"Header": "View Key Identifier_label, View Key Identifier_chart1_CategoryGroup2_label, View Key Identifier_chart1_CategoryGroup2_Value_DataValue0"</p>	<p>/Brainshark Reports/Presentation Reports/Viewing Analysis Reports/Views by Week</p> <p>Standard Default Parameters  Category_id = Folderid is required  Recurse_categories = True/False (default=False)  Presentation_list = PresentationID (comma separated list)  Begin_date (viewed on or after) = Date (or DateTime)  End_date (viewed on or before) = Date (or DateTime)  Output = csv,namevalue  Include_Previews = True/False (default=False)  author_group_id = Groupid  viewer_group_id = Groupid</p> <p>This report does not support the use of custom filters</p>

## Presentations Parameters

Name	Description
category_id	FolderID for content being queried
presentation_list	Comma-separated list of PID, ZPID or mix
Presentation_id	PresentationID
Show_q_and_a	Show Exam Question details Value = true or false
Show_Poll_Details	Show Poll Question details Value = true or false
Show_Survey_Details	Show Survey Question details Value = true or false
output	Values (csv, namevalue). Default output is CSV format
begin_date	On or after this date . Format=date or datetime
end_date	On or before this date. Format=date or datetime
recurse_categories	Values (true, false). Should subfolders be queried
author_group_id	Limit data to only this group id
selColumnList	Comma-separated list of columns to be returned. See column options below. If not specified, all columns are returned for most reports



## Brainshark Rest Web Services APIs

include_previews	Values (true, false). Should previews be included
CustomFilter	See examples for how to use this parameter
Groupby	Specific to each report if supported
Groupby1	Specific to each report if supported
Groupby2	Specific to each report if supported
Groupby3	Specific to each report if supported
GroupBy1_direction	0,1 (ascending/descending) if supported
GroupBy2_direction	0,1 (ascending/descending) if supported
GroupBy3_direction	0,1 (ascending/descending) if supported
Sortby, Sort_by	Specific to each report if supported
SortDir	a=ascending, d=descending
viewer_group_id	Limit data to only this group id
viewer_user_id	Limit data to only this User id
Minimum_Viewing_Time	Time in seconds
min_view_minutes	Time in minutes
Min_Score	Minimum Score
requesting_user_only_author	Include only presentations I have authored (if supported)

### **Available Columns (for Viewing Details by Presentation and Viewer)**

View_DateTime	sender_last_name
View_Viewing_Time	sender_company_name
View_Total_Slides_Viewed	sender_user_name
View_Total_Points	view_pct_duration
author_e_mail	view_pct_complete
author_first_name	view_call_duration
author_last_name	view_unhooked_flash
author_user_name	view_unhooked_real
gb_company	view_unhooked_wmp
gb_custom1	view_http_referrer
gb_custom2	view_ip_address
gb_custom3	view_ip_city
gb_custom4	view_ip_country
gb_custom5	view_ip_region
gb_custom6	view_completed
gb_custom7	view_is_mobile
gb_custom8	view_is_podcast
gb_custom9	view_key_identifier
gb_custom10	view_points
gb_department	view_printed
gb_e_mail	view_max_slide
gb_first_name	view_syncstatus
gb_last_name	view_user_agent
gb_phone_number	viewer
gb_title	viewer_address1
integration_appkey1	viewer_address2
integration_appkey2	viewer_city
integration_appkey3	viewer_company
integration_appkey4	viewer_country
integration_appkey5	viewer_custom1

## Brainshark Rest Web Services APIs

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integration_key	viewer_custom2
network_name	viewer_custom3
presentation_date_created	viewer_custom4
presentation_date_last_updated	viewer_custom5
presentation_duration	viewer_custom6
presentation_expiration_date	viewer_custom7
presentation_folder_name	viewer_custom8
presentation_id	
presentation_is_archived	viewer_custom9
presentation_is_deleted	viewer_custom10
presentation_possible_points	viewer_date_created
presentation_slide_count	viewer_date_last_visit
presentation_url	viewer_department
sender	viewer_e_mail
sender_user_profile_company_name	viewer_first_name
sender_e_mail	viewer_last_name
sender_first_name	viewer_postal_code
	viewer_state
	viewer_title
	viewer_unique_company

### **Custom Filters available for most presentation-related reports**

- FilterName = Answer,DataType=Boolean,DisplayName=Answer, True/False
- FilterName = Answer\_Is\_Correct,DataType=Boolean,DisplayName=N/A True/False applies only to Exam questions. Question Response Details only
- FilterName = Answer\_Is\_Correct\_HD,DataType=Boolean,DisplayName=IsCorrect True/False Exam Questions Viewing Details with Question Results only
- FilterName = Answer\_Label,DataType=String,DisplayName= N/A the label (a,b,c, etc.) associated with an answer, Value is alphanumeric
- FilterName = Answer\_Response\_Text,DataType=String,DisplayName= N/A Question Response Details only
- FilterName = Answer\_Response\_Value,DataType=String,DisplayName= N/A Question Response Details only
- FilterName = AnswerSort,DataType=Boolean,DisplayName=N/A, 1/0
- FilterName = Answer\_Text,DataType=String,DisplayName= N/A
- FilterName = Author Datatype=String, Displayname=N/A
- FilterName = Author\_dyn Datatype=String, Displayname=Author, Sort\_Author
- FilterName = Author\_E\_Mail,DataType=String,DisplayName= AuthorEMail
- FilterName = Author\_First\_Name,DataType=String,DisplayName= AuthorFirstName
- FilterName = Author\_Last\_Name,DataType=String,DisplayName= AuthorLastName
- FilterName = Author\_User\_Name,DataType=String,DisplayName= AuthorUserName
- FilterName = Author2,DataType=String,DisplayName= N/A
- FilterName = cf\_Presentation\_Has\_Score,DataType=Boolean,DisplayName= N/A
- FilterName = cf\_Question\_Type,DataType=Boolean,DisplayName= N/A
- FilterName = ClickStream\_Activity,DataType=String,DisplayName= ClickStreamActivity, Viewer Clickpath Details only
- FilterName = ClickStream\_CreatedDate,DataType=Date,DisplayName= N/A, Viewer Clickpath Details only
- FilterName = ClickStream\_DateTime\_dyn,DataType=Date,DisplayName= N/A, Viewer Clickpath Details only
- FilterName = ClickStream\_Duration,DataType=Integer,DisplayName= ClickStreamDuration, Viewer Clickpath Details only
- FilterName = ClickStream\_Event\_Type,DataType=String,DisplayName= N/A, Viewer Clickpath Details only
- FilterName = ClickStream\_Seconds\_Listened,DataType=Integer,DisplayName= N/A, Viewer Clickpath Details only

## Brainshark Rest Web Services APIs

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- o FilterName = ClickStream\_Seconds\_Viewed,DataType=Integer,DisplayName= N/A, Viewer Clickpath Details only
- o FilterName = ClickStream\_Sequence\_Number,DataType=Integer,DisplayName= N/A, Viewer Clickpath Details only
- o FilterName = ClickStream\_Slide\_Duration,DataType=Integer,DisplayName= N/A, Viewer Clickpath Details only
- o FilterName = ClickStream\_Slide\_Number,DataType=Integer,DisplayName= N/A, Viewer Clickpath Details only
- o FilterName = ClickStream\_Slide\_Title,DataType=Integer,DisplayName= N/A, Viewer Clickpath Details only
- o FilterName = ClickStream\_Supplement\_Launched\_After,DataType=Boolean,DisplayName= N/A, Viewer Clickpath Details only
- o FilterName = ClickStream\_Supplement\_Name,DataType=String,DisplayName= N/A, Viewer Clickpath Details only
- o FilterName = GB\_Company,DataType=String,DisplayName = GBCompany
- o FilterName = GB\_Custom1,DataType=String,DisplayName= GBCustom1, custom01
- o FilterName = GB\_Custom10,DataType=String,DisplayName=GBCustom10, custom10
- o FilterName = GB\_Custom2,DataType=String,DisplayName=GBCustom2, custom02
- o FilterName = GB\_Custom3,DataType=String,DisplayName=GBCustom3, custom03
- o FilterName = GB\_Custom4,DataType=String,DisplayName=GBCustom4, custom04
- o FilterName = GB\_Custom5,DataType=String,DisplayName=GBCustom5, custom05
- o FilterName = GB\_Custom6,DataType=String,DisplayName=GBCustom6, custom06
- o FilterName = GB\_Custom7,DataType=String,DisplayName=GBCustom7, custom07
- o FilterName = GB\_Custom8,DataType=String,DisplayName=GBCustom8, custom08
- o FilterName = GB\_Custom9,DataType=String,DisplayName=GBCustom9, custom09
- o FilterName = GB\_Department,DataType=String,DisplayName= GBDepartment
- o FilterName = GB\_E\_Mail,DataType=String,DisplayName= GBEMail
- o FilterName = GB\_First\_Name,DataType=String,DisplayName= GBFirstName
- o FilterName = GB\_Last\_Name,DataType=String,DisplayName= GBLastName
- o FilterName = GB\_Phone\_Number,DataType=String,DisplayName= GBPhone
- o FilterName = GB\_Title,DataType=String,DisplayName= GBTitle
- o FilterName = Integration\_AppKey1,DataType=String,DisplayName= IntegrationAppKey1
- o FilterName = Integration\_AppKey2,DataType=String,DisplayName= IntegrationAppKey2
- o FilterName = Integration\_AppKey3,DataType=String,DisplayName= IntegrationAppKey3
- o FilterName = Integration\_AppKey4,DataType=String,DisplayName= IntegrationAppKey4
- o FilterName = Integration\_AppKey5,DataType=String,DisplayName= IntegrationAppKey5
- o FilterName = Integration\_Key,DataType=Integer,DisplayName=IntegrationKey
- o FilterName = Network\_Name,DataType=String,DisplayName=NetworkName
- o FilterName = Presentation\_Date\_Created,DataType=Date,DisplayName= CreatedDate
- o FilterName = Presentation\_Date\_Last\_Updated,DataType=Date,DisplayName= LastUpdatedDate
- o FilterName = Presentation\_Duration,DataType=Integer,DisplayName= PresentationDuration
- o FilterName = Presentation\_Expiration\_Date,DataType=Date,DisplayName= PresentationExpirationDate
- o FilterName = Presentation\_Folder\_Name,DataType=String,DisplayName= FolderName
- o FilterName = Presentation\_ID,DataType=Integer,DisplayName= PresentationID
- o FilterName = Presentation\_Is\_Active\_dyn,DataType=Boolean,DisplayName= IsActive
- o FilterName = Presentation\_Is\_Archived,DataType=Boolean,DisplayName= IsArchived
- o FilterName = Presentation\_Is\_Deleted,DataType=Boolean,DisplayName= PresentationDeleted, IsDeleted
- o FilterName = Presentation\_Possible\_Points,DataType=Integer,DisplayName= PresentationPossiblePoints
- o FilterName = Presentation\_Slide\_Count,DataType=Integer,DisplayName= PresentationSlideCount
- o FilterName = Presentation\_Status,DataType=Integer ,DisplayName= N/A
- o FilterName = Presentation\_Title\_dyn,DataType=String,DisplayName= Sort\_Title, Title
- o FilterName = Presentation\_URL,DataType=String,DisplayName= URL

## Brainshark Rest Web Services APIs

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- o FilterName = Question\_Answer,DataType=String,DisplayName= Answer, Viewing Details with Question Results only
- o FilterName = Question\_Correct\_Answer,DataType=String,DisplayName= N/A, Viewing Details with Question Results only
- o FilterName = Question\_Format,DataType=String,DisplayName= N/A
- o FilterName = Question\_Number,DataType=Integer,DisplayName= N/A
- o FilterName = Question\_Points,DataType=Integer,DisplayName= N/A, Viewing Details with Question Results only
- o FilterName = Question\_Points\_HD,DataType=Integer,DisplayName= N/A, Viewing Details with Question Results only
- o FilterName = Question\_Text,DataType=String,DisplayName= Question
- o FilterName = Question\_Type,DataType=String,DisplayName= InteractionType
- o FilterName = Sender,DataType=String,DisplayName=Sender (firstname lastname)
- o FilterName = Sender\_Company\_Name,DataType=String,DisplayName=SenderSiteName
- o FilterName = Sender\_E\_Mail,DataType=String,DisplayName= SenderEMail
- o FilterName = Sender\_First\_Name,DataType=String,DisplayName= SenderFirstName
- o FilterName = Sender\_Last\_Name,DataType=String,DisplayName= SenderLastName
- o FilterName = Sender\_User\_Name,DataType=String,DisplayName= SenderUserName
- o FilterName = Sender\_User\_Profile\_Company\_Name,DataType=String,DisplayName= SenderCompanyName
- o FilterName = View\_Call\_Duration,DataType=Integer,DisplayName= CallDuration, Call\_Duration\_\_seconds\_
- o FilterName = View\_Completed,DataType=Boolean,DisplayName= ViewCompleted
- o FilterName = View\_DateTime,DataType=Date,DisplayName= DateTime
- o FilterName = View\_Has\_GB\_dyn,DataType=Boolean,DisplayName= ViewHasGb
- o FilterName = View\_Has\_GB\_dyn2,DataType=Boolean,DisplayName= ViewHasGb, Viewing Details with Question Results only
- o FilterName = View\_Has\_Responses,DataType=Boolean,DisplayName= ViewHasResponses, Viewing Details with Question Results only
- o FilterName = View\_HTTP\_Referrer,DataType=String,DisplayName= ViewHTTPReferrer
- o FilterName = View\_IP\_Address,DataType=String,DisplayName= ViewIPAddress
- o FilterName = View\_IP\_City,DataType=String,DisplayName= ViewIPCity
- o FilterName = View\_IP\_Country,DataType=String,DisplayName= ViewIPCountry
- o FilterName = View\_IP\_Region,DataType=String,DisplayName= ViewIPRegion
- o FilterName = View\_Is\_Mobile,DataType=Boolean,DisplayName= ViewsMobile
- o FilterName = View\_Is\_Podcast,DataType=Boolean,DisplayName= ViewsPodcast
- o FilterName = View\_Key\_Identifier,DataType=String,DisplayName= ViewKey
- o FilterName = View\_Max\_Slide,DataType=Integer,DisplayName= SlidesViewed
- o FilterName = View\_Pct\_Complete,DataType=Integer,DisplayName= PercentSlidesViewed
- o FilterName = View\_Pct\_Duration,DataType=Integer,DisplayName= PercentDuration
- o FilterName = View\_Points,DataType=Integer,DisplayName= Points
- o FilterName = View\_Printed,DataType=Boolean,DisplayName= ViewPrinted
- o FilterName = View\_Score\_dyn,DataType=Integer,DisplayName= PercentScore, Score
- o FilterName = View\_SyncStatus,DataType=String,DisplayName= ViewSyncStatus
- o FilterName = View\_Time\_Listened,DataType=Integer,DisplayName= ViewTimeListened
- o FilterName = View\_Total\_Pct\_of\_Duration\_dyn,DataType=Integer,DisplayName= ViewTotalPctofDuration
- o FilterName = View\_Total\_Pct\_of\_Slides\_dyn,DataType=Integer,DisplayName= ViewTotalPctofSlides
- o FilterName = View\_Total\_Points,DataType=Integer,DisplayName= ViewTotalPoints
- o FilterName = View\_Total\_Score\_dyn,DataType=Integer,DisplayName= ViewTotalScore
- o FilterName = View\_Total\_Slides\_Viewed,DataType=Integer,DisplayName= ViewTotalSlidesViewed, SlidesViewed
- o FilterName = View\_Tracking\_Code,DataType=String,DisplayName= TrackingCode
- o FilterName = View\_Type\_dyn,DataType=String,DisplayName=ViewType
- o FilterName = View\_Unhooked\_During\_View\_dyn,DataType=Boolean,DisplayName= ViewUnhookedDuringView

## Brainshark Rest Web Services APIs

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- o FilterName = View\_Unhooked\_Flash,DataType=Boolean,DisplayName= UnhookedFlash
- o FilterName = View\_Unhooked\_Real,DataType=Boolean,DisplayName= UnhookedReal
- o FilterName = View\_Unhooked\_WMP,DataType=Boolean,DisplayName= UnhookedWMP
- o FilterName = View\_User\_Agent,DataType=String,DisplayName= ViewUserAgent
- o FilterName = View\_Viewing\_Time,DataType=Integer,DisplayName= ViewingTime
- o FilterName = Viewer,DataType=String,DisplayName=Viewer
- o FilterName = Viewer\_Address1,DataType=String,DisplayName=ViewerAddress1
- o FilterName = Viewer\_Address2,DataType=String,DisplayName=ViewerAddress2
- o FilterName = Viewer\_City,DataType=String,DisplayName=ViewerCity
- o FilterName = Viewer\_Company,DataType=String,DisplayName=ViewerCompany
- o FilterName = Viewer\_Country,DataType=String,DisplayName=ViewerCountry
- o FilterName = Viewer\_Custom1,DataType=String,DisplayName=ViewerCustom1
- o FilterName = Viewer\_Custom10,DataType=String,DisplayName=ViewerCustom10
- o FilterName = Viewer\_Custom2,DataType=String,DisplayName=ViewerCustom2
- o FilterName = Viewer\_Custom3,DataType=String,DisplayName=ViewerCustom3
- o FilterName = Viewer\_Custom4,DataType=String,DisplayName=ViewerCustom4
- o FilterName = Viewer\_Custom5,DataType=String,DisplayName=ViewerCustom5
- o FilterName = Viewer\_Custom6,DataType=String,DisplayName=ViewerCustom6
- o FilterName = Viewer\_Custom7,DataType=String,DisplayName=ViewerCustom7
- o FilterName = Viewer\_Custom8,DataType=String,DisplayName=ViewerCustom8
- o FilterName = Viewer\_Custom9,DataType=String,DisplayName=ViewerCustom9
- o FilterName = Viewer\_Date\_Created,DataType=Date,DisplayName= ViewerDateCreated
- o FilterName = Viewer\_Date\_Last\_Visit,DataType=Date,DisplayName= ViewerDateLastVisit
- o FilterName = Viewer\_Department,DataType=String,DisplayName=ViewerDepartment
- o FilterName = Viewer\_E\_Mail,DataType=String,DisplayName=ViewerEmail
- o FilterName = Viewer\_First\_Name,DataType=String,DisplayName= ViewerFirstName
- o FilterName = Viewer\_Info\_dyn,DataType=String,DisplayName= ViewerInfo, Sort\_ViewerInfo
- o FilterName = Viewer\_Last\_Name,DataType=String,DisplayName= ViewerLastName
- o FilterName = Viewer\_Phone,DataType=String,DisplayName= ViewerPhone
- o FilterName = Viewer\_Postal\_Code,DataType=String,DisplayName= ViewerPostalCode
- o FilterName = Viewer\_State,DataType=String,DisplayName= ViewerState
- o FilterName = Viewer\_Title,DataType=String,DisplayName= ViewerTitle
- o FilterName = Viewer\_Unique\_Company,DataType=String,DisplayName= ViewerUniqueCompany (Unique Company Identifier)
- o FilterName = Viewer\_User\_Name,DataType=String,DisplayName= ViewerUserName
- o FilterName = Viewer2,DataType=String,DisplayName=N/A
- o FilterName = VW\_access\_id,DataType=String,DisplayName=N/A, Question Response Details ONLY
- o ValidOperators= OperatorName=EQ,Description="="
- o OperatorName=BW,Description="begins with"
- o OperatorName=CT,Description="contains"
- o OperatorName=GE,Description=">="
- o OperatorName=GT,Description=">"
- o OperatorName=LE,Description="<="
- o OperatorName=LT,Description="<"
- o OperatorName=NC,Description="does not contain"
- o OperatorName=NE,Description="<>"

**Learning**

Ref#	Report Title	Path																																														
1	<p><b>Course Enrollment</b> presentation_list parameter required</p> <p>"Header": "CourseTitle, PresentationID, Course Deleted, CourseActive, CourseArchived, Author, Student, Manager_Name, StudentActive, StudentDeleted, StudentEMail, StudentUserName, StudentTitle, StudentDepartment, StudentCompany, StudentPhone, StudentAddress1, StudentAddress2, StudentCity, StudentState, StudentCountry, StudentPostalCode, StudentCustom1, StudentCustom2, StudentCustom3, StudentCustom4, Student_Custom5, Student_Custom6, Student_Custom7, Student_Custom8, Student_Custom9, Student_Custom10, ViewingTime, TimeListened, PercentDuration, SlidesViewed, PercentSlidesViewed, Points, Score, PassFail, Status, EnrolledDate, CompletedDate, CourseCreateDate, ContentType, CourseDescription, CourseExtendedDescription, Credits, SCORM_Duration, SessionStartDate, SessionName, SessionLocation, SessionInstructor"</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Course Enrollment</p> <p><b>Standard Default Parameters:</b>                      Presentation_list (required) = PresentationID (comma separated list)                      Begin_date (enrolled on or after) = Date (or DateTime)                      End_date (enrolled on or before) = Date (or DateTime)                      begin_date_activity (Viewed within) = Date (or DateTime)                      end_date_activity (Viewed within) = Date (or DateTime)                      Output = csv,namevalue                      SortCourseByTitle_direction = Ascending/Descending (case sensitive)                      include_enrolled_users (Current Enrollments) = True/False (default=True)                      include_reenrolled_users (Historical Enrollments) = True/False (default=False)                      viewer_user_id (Only Enrollments for this Student) = UserID</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <table border="0"> <tr> <td>Author_E_Mail</td> <td>Student_First_Name</td> </tr> <tr> <td>Author_First_Name</td> <td>Student_Group</td> </tr> <tr> <td>Author_Last_Name</td> <td>Student_Last_Name</td> </tr> <tr> <td>Author_User_Name</td> <td>Student_Unique_Company</td> </tr> <tr> <td>Student_Date_Created</td> <td>Topic</td> </tr> <tr> <td>Student_Date_Last_Visit</td> <td></td> </tr> </table> <p><b>Parameters not supported via API:</b></p> <table border="0"> <tr> <td>SortCourseByTitle (1st Sort)</td> <td>SortCourseBy2_direction</td> </tr> <tr> <td>SortCourseBy2 (2nd sort)</td> <td>SortCourseBy3_direction</td> </tr> <tr> <td>SortCourseBy3 (3rd sort)</td> <td>SortCourseBy3_subtotal (Display Subtotals)</td> </tr> <tr> <td>SortCourseBy3_subtotal (Display Subtotals)</td> <td>Groupby (Sort enrollments by)</td> </tr> </table> <p><b>These fields are not supported for using as a custom filter:</b></p> <table border="0"> <tr> <td>CompletedDate</td> <td>PresDuration</td> </tr> <tr> <td>CourseDescription</td> <td>PresentationID</td> </tr> <tr> <td>CourseExtendedDescription</td> <td>SCORM_Duration</td> </tr> <tr> <td>Credits</td> <td>SessionStartDate</td> </tr> <tr> <td>EnrolledDate</td> <td>SessionInstructor</td> </tr> <tr> <td>PercentSlidesViewed</td> <td>SessionLocation</td> </tr> <tr> <td>PctTimeListened</td> <td>SessionName</td> </tr> <tr> <td>Points</td> <td>SlidesViewed</td> </tr> <tr> <td></td> <td>TimeListened</td> </tr> <tr> <td></td> <td>CourseActive</td> </tr> <tr> <td></td> <td>ViewingTime</td> </tr> <tr> <td></td> <td>PercentDuration</td> </tr> <tr> <td></td> <td>CourseCreateDate</td> </tr> </table>	Author_E_Mail	Student_First_Name	Author_First_Name	Student_Group	Author_Last_Name	Student_Last_Name	Author_User_Name	Student_Unique_Company	Student_Date_Created	Topic	Student_Date_Last_Visit		SortCourseByTitle (1st Sort)	SortCourseBy2_direction	SortCourseBy2 (2nd sort)	SortCourseBy3_direction	SortCourseBy3 (3rd sort)	SortCourseBy3_subtotal (Display Subtotals)	SortCourseBy3_subtotal (Display Subtotals)	Groupby (Sort enrollments by)	CompletedDate	PresDuration	CourseDescription	PresentationID	CourseExtendedDescription	SCORM_Duration	Credits	SessionStartDate	EnrolledDate	SessionInstructor	PercentSlidesViewed	SessionLocation	PctTimeListened	SessionName	Points	SlidesViewed		TimeListened		CourseActive		ViewingTime		PercentDuration		CourseCreateDate
Author_E_Mail	Student_First_Name																																															
Author_First_Name	Student_Group																																															
Author_Last_Name	Student_Last_Name																																															
Author_User_Name	Student_Unique_Company																																															
Student_Date_Created	Topic																																															
Student_Date_Last_Visit																																																
SortCourseByTitle (1st Sort)	SortCourseBy2_direction																																															
SortCourseBy2 (2nd sort)	SortCourseBy3_direction																																															
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EnrolledDate	SessionInstructor																																															
PercentSlidesViewed	SessionLocation																																															
PctTimeListened	SessionName																																															
Points	SlidesViewed																																															
	TimeListened																																															
	CourseActive																																															
	ViewingTime																																															
	PercentDuration																																															
	CourseCreateDate																																															

## Brainshark Rest Web Services APIs

2	<p><b>Curriculum Enrollment</b> (curriculum_list parameter required) crcid</p> <p>"Header": "CurriculumTitle, CurriculumID, CurriculumDeleted, CourseTitle, PresentationID, CourseDeleted, CourseActive, CourseArchived, Course_Author, Student, Manager_Name, StudentActive, StudentDeleted, StudentEMail, StudentUserName, StudentTitle, StudentDepartment, StudentCompany, StudentPhone, StudentAddress1, StudentAddress2, StudentCity, StudentState, StudentCountry, StudentPostalCode, StudentCustom1, StudentCustom2, StudentCustom3, StudentCustom4, Student_Custom5, Student_Custom6, Student_Custom7, Student_Custom8, Student_Custom9, Student_Custom10, ViewingTime, TimeListened, PercentDuration, SlidesViewed, PercentSlidesViewed, Points, Score, PassFail, Status, EnrolledDate, CompletedDate, SCORM_Duration"</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Curriculum Enrollment</p> <p><b>Standard Default Parameters:</b></p> <p>curriculum_list = CurriculumID Required (comma separated list)          Begin_date (enrolled on or after) = Date (or DateTime)          End_date (enrolled on or before) = Date (or DateTime)          begin_date_activity (Viewed within) = Date (or DateTime)          end_date_activity (viewed within) = Date (or DateTime)          Output = csv,namevalue          SortCourseByTitle_direction = Ascending/Descending (case sensitive) (default=Ascending)          SortCourseBy2 (2ndsort) = 2-10          2 = Course Sequence          3 = % Duration          4 = % Slides Viewed          5 = Completed Date          6 = Enrolled Date          7 = Points          8 = Score          9 = Status          10 = Student          SortCourseBy2_direction = Ascending/Descending (case sensitive)          SortCourseBy3 (3<sup>rd</sup> sort) = 2-10          2 = Course Sequence          3 = % Duration          4 = % Slides Viewed          5 = Completed Date          6 = Enrolled Date          7 = Points          8 = Score          9 = Status          10 = Student</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <table border="0"> <tr> <td>Author_E_Mail</td> <td>Student_First_Name</td> </tr> <tr> <td>Author_First_Name</td> <td>Student_Group</td> </tr> <tr> <td>Author_Last_Name</td> <td>Student_Last_Name</td> </tr> <tr> <td>Author_User_Name</td> <td>Student_Status</td> </tr> <tr> <td>challenge_overall_score</td> <td>Student_Unique_Company</td> </tr> <tr> <td>ContentType</td> <td>TestScore</td> </tr> <tr> <td>Student_Date_Last_Visit</td> <td>Topic</td> </tr> </table> <p><b>Parameters not supported via API:</b></p> <p>begin_date_activity (Viewed within)          end_date_activity (viewed within )          SortCourseByTitle (1stSort)          SortCourseBy3_subtotal (Display Subtotals)          include_enrolled_users (Current Enrollments)          include_reenrolled_users (Historical Enrollments)          viewer_user_id          student_group          EnrollmentStatus          PFStatus</p> <p>These fields are not supported for using as a custom filter:</p> <table border="0"> <tr> <td>CompletedDate</td> <td>CourseArchived</td> </tr> <tr> <td>CurriculumDeleted</td> <td>PresentationID</td> </tr> <tr> <td>CurriculumID</td> <td>SCORM_Duration</td> </tr> <tr> <td>EnrolledDate</td> <td>SlidesViewed</td> </tr> <tr> <td>PercentDuration</td> <td>TimeListened</td> </tr> </table>	Author_E_Mail	Student_First_Name	Author_First_Name	Student_Group	Author_Last_Name	Student_Last_Name	Author_User_Name	Student_Status	challenge_overall_score	Student_Unique_Company	ContentType	TestScore	Student_Date_Last_Visit	Topic	CompletedDate	CourseArchived	CurriculumDeleted	PresentationID	CurriculumID	SCORM_Duration	EnrolledDate	SlidesViewed	PercentDuration	TimeListened
Author_E_Mail	Student_First_Name																									
Author_First_Name	Student_Group																									
Author_Last_Name	Student_Last_Name																									
Author_User_Name	Student_Status																									
challenge_overall_score	Student_Unique_Company																									
ContentType	TestScore																									
Student_Date_Last_Visit	Topic																									
CompletedDate	CourseArchived																									
CurriculumDeleted	PresentationID																									
CurriculumID	SCORM_Duration																									
EnrolledDate	SlidesViewed																									
PercentDuration	TimeListened																									

## Brainshark Rest Web Services APIs

		PercentSlidesViewed CourseActive ViewingTime
3	<p><b>Curriculum Summary</b> curriculum_list parameter required</p> <p>"Header": "CurriculumTitle, CurriculumID, CurriculumDeleted, Author, NumberOf_Required_Courses, Total_Number_Of_Courses, Student, Manager_Name, StudentActive, StudentDeleted, StudentEMail, StudentUserName, StudentTitle, StudentDepartment, StudentCompany, StudentPhone, StudentAddress1, StudentAddress2, StudentCity, StudentState, StudentCountry, StudentPostalCode, StudentCustom1, StudentCustom2, StudentCustom3, StudentCustom4, StudentCustom5, StudentCustom6, StudentCustom7, StudentCustom8, StudentCustom9, StudentCustom10, Status, CompletedDate, Progress_Courses_Completed"</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Curriculum Summary</p> <p><b>Standard Default Parameters:</b>  curriculum_list = CurriculumID Required (comma separated list)  Begin_date (enrolled on or after) = Date (or DateTime)  End_date (enrolled on or before) = Date (or DateTime)  Output = csv,namevalue  SortCourseByTitle (1<sup>st</sup> Sort) = 2,3,4  2 = Student  3 = Completed Date  4 = Completion Status  SortCourseByTitle_direction = Ascending/Descending (case sensitive)  SortCourseBy2 (2<sup>nd</sup> sort) = 2,3,4  2 = Student  3 = Completed Date  4 = Completion Status  SortCourseBy2_direction = Ascending/Descending (case sensitive)  SortCourseBy3 (3<sup>rd</sup> sort) = 2,3,4  2 = Student  3 = Completed Date  4 = Completion Status  SortCourseBy3_direction = Ascending/Descending (case sensitive)</p> <p><b>Custom Filters that are supported but fields do not return in results:</b>  Cur_EnrollmentStatusID    Student_Last_Name  Student_Date_Created    Student_Status  Student_Date_Last_Visit    Student_Unique_Company  Student_First_Name    StudentID  Student_Group</p> <p>Parameters not supported via API:  begin_date_activity (Viewed within)  end_date_activity (viewed within )  SortCourseByTitle (1stSort)  SortCourseBy2 (2nd sort)  SortCourseBy3 (3rd sort)  include_deleted_curriculum_data (Include deleted curriculum data)  viewer_user_id  student_Group</p> <p>All fields returned in this report can be used as a customfilter as well as some fields that are not returned in the report results as noted above.</p>
4	<p><b>Curriculum Summary By Group</b> curriculum_list parameter required</p> <p>"Header": "CurriculumTitle, CurriculumID, CurriculumDeleted, Author, NumberOf_Required_Courses, Total_Number_Of_Courses, GroupedBy, Student, Manager_Name, StudentActive, StudentDeleted, StudentEMail, StudentUserName, StudentTitle, StudentDepartment, StudentCompany, StudentPhone, StudentAddress1, StudentAddress2, StudentCity, StudentState, StudentCountry, StudentPostalCode, StudentCustom1, StudentCustom2, StudentCustom3, StudentCustom4, StudentCustom5, StudentCustom6, StudentCustom7, StudentCustom8, StudentCustom9, StudentCustom10, Status, Comp</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Curriculum Summary By Group</p> <p><b>Standard Default Parameters:</b>  curriculum_list = CurriculumID Required (comma separated list)  Begin_date (enrolled on or after) = Date (or DateTime)  End_date (enrolled on or before) = Date (or DateTime)  Output = csv,namevalue  SortCourseByTitle = Ascending/Descending (case sensitive)  SortCourseBy2_direction = Ascending/Descending (case sensitive)  SortCourseBy3_direction = Ascending/Descending (case sensitive)  include_deleted_curriculum_data = True/False</p> <p><b>Custom Filters that are supported but fields do not return in results:</b>  Cur_Enrollment_Status    Student_Date_Last_Visit  Cur_EnrollmentStatusID    Student_Last_Name  GroupID    Student_Unique_Company</p>



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	<p>letedDate,Progress_Courses_Completed,Group</p> <p>Example:  <a href="https://www.brainshark.com/Brainshark/Webservices_Mobile/report.ashx?sid=70224&amp;sky=b1590a26fbaa4bf08b76731705b82a2&amp;uid=893495&amp;path=/BrainsharkReports/Learning Reports/Learning Administration Reports/Curriculum Summary by Group&amp;curriculum_list=11039950,70803158">https://www.brainshark.com/Brainshark/Webservices_Mobile/report.ashx?sid=70224&amp;sky=b1590a26fbaa4bf08b76731705b82a2&amp;uid=893495&amp;path=/BrainsharkReports/Learning Reports/Learning Administration Reports/Curriculum Summary by Group&amp;curriculum_list=11039950,70803158</a></p>	<p>GroupListName                      StudentID</p> <p>Student_Date_Created</p> <p>Parameters not supported via API:  begin_date_activity (Viewed within)  end_date_activity (Viewed within)  SortCourseByTitle  SortCourseBy2 (2nd sort)  SortCourseBy3 (3rd sort)  include_default_groups (Show Default Groups in Results)  viewer_group_name (Group name)  student_group (Student Group)</p> <p>These fields are not supported for using as a custom filter:  GroupedBy</p>
5	<p><b>Course Creation</b>  Category_id parameter required  Groupby parameter required</p> <p>"Header": "CourseCreateDate, CourseAuthor, CourseName, CourseDuration, ContentType, TotalEnrolled, CourseID, Folder, CourseDescription, CourseExtendedDescription, Topic, NumberOfSlides, Credits, ExpirationDate, EnrollmentType, CourselsDeleted, CourselsActive, CourselsArchived, NumberEnrolled, NumberIncomplete, NumberCompleted, PercentPassed, LastReminderDate, LastReminderType, CourseURL, PresentationID, CourseLastModifiedDate, OpenEnrollmentMax"</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Course Creation</p> <p><b>Standard Default Parameters:</b>  Category_id = folderid parameter required  Groupby parameter required (Sortby ) = 1,2  1 = Author  2= Date Created  Begin_date (Course created on or after) = Date (or DateTime)  End_date (Course created on or before) = Date (or DateTime)  Presentation_list = PresentationID (multiple ids are not supported)  Recurse_categories = True/False (default=False)  Output = csv,namevalue</p> <p><b>Custom Filters that are supported but fields do not return in results:</b>  Author_E_Mail  Author_First_Name  Author_Last_Name  Author_User_Name</p> <p>These fields are not supported for using as a custom filter:  Credits                                      OpenEnrollmentMax  EnrollmentType                              CourseDuration  LastReminderDate                              ExpirationDate  LastReminderType                              Folder  NumberCompleted                              CourseURL  NumberEnrolled                              CourseCreateDate  NumberIncomplete                              PresentationID (Use default parameter presentation_list)  PercentPassed                              NumberOfSlides  CourseLastModifiedDate  TotalEnrolled</p>
6	<p><b>Curriculum Enrollment By Group</b></p>	<p>This Report is not a report available via API WebServices</p>
7	<p><b>Enrollment Report for Group Managers</b>  manager_group_list Parameter Required</p> <p>"Header": "Student, StudentID, StudentLastName, StudentFirstName, StudentEmail, StudentDeleted, CurriculumID, CurriculumTitle, CourseTitle, PresentationID, CourseDeleted, Score, PassFail, CurriculumEnrollmentStatus, CourseEnro</p>	<p>/Brainshark Reports/Learning Reports/Group Manager Reports/Enrollment Report for Group Managers</p> <p><b>Standard Default Parameters:</b>  manager_group_list (All students in this group) = GroupID (comma separated list)  viewer_user_list (Specific students) = UserID (comma separated list)  begin_date (Enrollment start date) = Date on or after</p>

## Brainshark Rest Web Services APIs

<p>llmentStatus,CurriculumEnrollmentDate,CurriculumCompletionDate,CourseEnrollmentDate,CourseCompletionDate,CreditsTotal,CreditsYTD,Group"</p> <p>NOTE: User running report must be a manager of Group identified</p>	<p>end_date (Enrollment end date) = Date on or before  Output = csv,namevalue  SortCourseByTitle_direction = Ascending/Descending (default=Ascending)  SortCourseBy2 (2nd Sort) = 2,3,4,5,6,7,8  2 = StudentName  3 = Title  4 = Status  5= Score  6= P/F  7 = Enrollment Date  8 = Completion Date  SortCourseBy2_direction = Ascending/Descending (default=Ascending)  SortCourseBy3 (3rd Sort) = 2,3,4,5,6,7,8  2 = StudentName  3 = Title  4 = Status  5= Score  6= P/F  7 = Enrollment Date  8 = Completion Date  SortCourseBy3_direction = Ascending/Descending (default=Ascending)</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <p>Author                      Student_Custom5  Author_E_Mail              Student_Custom6  Author_First_Name        Student_Custom7  Author_Last_Name         Student_Custom8  Author_User_Name         Student_Custom9  ContentType                Student_Date_Created  Points                        Student_Date_Last_Visit  Presentation_Status       Student_Department  Student_Address1          Student_Is_Active  Student_Address2          Student_Phone  Student_City                Student_Postal_Code  Student_Company          Student_State  Student_Country           Student_Status  Student_Custom1          Student_Title  Student_Custom10         Student_Unique_Company  Student_Custom2          Student_User_Name  Student_Custom3          Topic  Student_Custom4</p> <p>Parameters not supported via API:  SortCourseByTitle (1st Sort)  EnrollmentStatus (Enrollment status)</p> <p>These fields are not supported for using as a custom filter:  CourseCompletionDate            PresentationID  CourseEnrollmentDate  CreditsTotal  CreditsYTD  CurriculumCompletionDate</p>
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# Brainshark Rest Web Services APIs

8	<p><b>Learning Activity</b></p> <p>"Header": "Message, Curriculum_Title, Curriculum_Enrollment_Status, Curriculum_Id, Curriculum_Duration, Curriculum_Completion_Date, Course_Creation_Date, Author, Course_Title, Course_Duration, SCORM_Duration, PresSlideCount, Credits, Content_Type, CourseId, Presentation_ID, Folder, Course_Description, Course_Extended_Description, Topic, Student, Student_User_Name, Student_Title, Student_Department, Student_Company, Student_Phone, Student_Address1, Student_Address2, Student_City, Student_State, Student_Country, Student_Postal_Code, Manager_Name, Manager_Username, Student_Is_Active, Student_Is_Deleted, Student_Email, First_Viewed, Student_Custom02, Viewing_Time, TimeListened, Percent_Duration, Slides_Viewed, Percent_Slides_Viewed, Percent_Audio_Score, Points, PassFail, Latest_Version, Last_Submitted_Date, Avg_Score, Number_of_Reviews, Course_Completion_Status, EnrollmentDate, Completion_Date, Credits_Earned, Expiration_Date, Enrollment_Type, Course_Is_Active, Course_Is_Deleted, Course_Is_Archived, Last_Reminder_Date, Last_Reminder_Type, Student_Date_Last_View, Total_Views, Days_To_Completion, Days_Enrolled_Without_Completion, Is_Required, Number_of_Comments, Rating, IsEnrollmentbyGroup"</p>	<p>CurriculumEnrollmentDate</p> <p>/Brainshark Reports/Enhanced Learning Reports/Learning Activity</p> <p><b>Standard Default Parameters:</b></p> <p>Category_id = FolderId          Recurse_categories = True/False (default=False)          begin_date (Enrolled within) = Date Enrolled on or after          end_date (Enrolled Within) = Date Enrolled on or before          begin_date_activity (Viewed within) = Date Viewed on or after          end_date_activity (Viewed within) = Date viewed on or before          Output = csv, namevalue          sortEnrollmentsby = 0,1,2,3,4,5,6,7          0 = StudentName          1 = Course Completion Date          2 = Course Enrollment status          3 = Course Title          4 = Presentation ID          5 = Course Enrollment Date          6 = Topic          7 = Content Type          viewer_user_id (Only enrollments for this student) = UserID          manager_group_list (Only students in this group) = GroupID (API User must a manager of group specified)</p> <p><b>Custom Filters that are supported but fields do not return in results:</b></p> <table border="0"> <tr> <td>Author_E-Mail</td> <td>NumberOfReviewers</td> </tr> <tr> <td>Author_First_Name</td> <td>passfail_criteria_score_pct</td> </tr> <tr> <td>Author_Last_Name</td> <td>Student_Date_Created</td> </tr> <tr> <td>Author_User_Name</td> <td>Student_Date_Last_Visit</td> </tr> <tr> <td>Comment</td> <td>Student_First_Name</td> </tr> <tr> <td>completion_criteria_audio_pct</td> <td>Student_Group1</td> </tr> <tr> <td>completion_criteria_slides_pct</td> <td>Student_Last_Name</td> </tr> <tr> <td>CurriculumAuthor</td> <td>Student_Unique_Company</td> </tr> <tr> <td>CurriculumCreationDate</td> <td>StudentID</td> </tr> <tr> <td>EnrollmentID</td> <td>SubmissionPresentationID</td> </tr> <tr> <td>EnrollmentStatusID</td> <td>ViewTimePerUser</td> </tr> <tr> <td>ManagerUserId</td> <td></td> </tr> </table> <p>These fields are not supported for using as a custom filter:</p> <table border="0"> <tr> <td>Course_Description</td> <td>TimeListened</td> </tr> <tr> <td>Course_Extended_Description</td> <td>Total_Views</td> </tr> </table> <p>NOTE:          Selcolumnlist is not Supported in the UI or via APIs all columns are always returned</p> <p>When using a custom filter Completion_Date will not work. Use CompletionDate instead</p> <p>Example:</p> <pre>&lt;filter&gt;&lt;op n="EQ"&gt;&lt;field n="CompletionDate" dt="Date" dn="CompletionDate" /&gt;&lt;val&gt;2023-06-12 10:00:00&lt;/val&gt;&lt;/op&gt;&lt;/filter&gt;</pre>	Author_E-Mail	NumberOfReviewers	Author_First_Name	passfail_criteria_score_pct	Author_Last_Name	Student_Date_Created	Author_User_Name	Student_Date_Last_Visit	Comment	Student_First_Name	completion_criteria_audio_pct	Student_Group1	completion_criteria_slides_pct	Student_Last_Name	CurriculumAuthor	Student_Unique_Company	CurriculumCreationDate	StudentID	EnrollmentID	SubmissionPresentationID	EnrollmentStatusID	ViewTimePerUser	ManagerUserId		Course_Description	TimeListened	Course_Extended_Description	Total_Views
Author_E-Mail	NumberOfReviewers																													
Author_First_Name	passfail_criteria_score_pct																													
Author_Last_Name	Student_Date_Created																													
Author_User_Name	Student_Date_Last_Visit																													
Comment	Student_First_Name																													
completion_criteria_audio_pct	Student_Group1																													
completion_criteria_slides_pct	Student_Last_Name																													
CurriculumAuthor	Student_Unique_Company																													
CurriculumCreationDate	StudentID																													
EnrollmentID	SubmissionPresentationID																													
EnrollmentStatusID	ViewTimePerUser																													
ManagerUserId																														
Course_Description	TimeListened																													
Course_Extended_Description	Total_Views																													

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9	<p><b>Course Details with Question Results</b> Category_id parameter required</p> <p>"Header": "FolderName, PresentationID, Title, URL, Viewer, DateTime, ViewingTime, SlidesViewed, TrackingCode, ViewerFirstName, ViewerLastName, StudentActive, StudentDeleted, PresentationDuration, PresentationSlideCount, Points, Score, PassFail, Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32, Q33, Q34, Q35, Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44, Q45, Q46, Q47, Q48, Q49, Q50, Q51, Q52, Q53, Q54, Q55, Q56, Q57, Q58, Q59, Q60, Q61, Q62, Q63, Q64, Q65, Q66, Q67, Q68, Q69, Q70, Q71, Q72, Q73, Q74, Q75, Author, AuthorUserName, AuthorEMail, IsArchived, Credits"</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Course Details with Question Results</p> <p><b>Standard Default Parameters:</b> Category_id = FolderID Required presentation_id = PresentationID recurse_categories = True/False (default=False) Curriculum_Id = CurriculumID that Course is located in Begin_date (viewed on or after) = Date (or DateTime) End_date (viewed on or before) = Date (or DateTime) Output = csv,namevalue Author_group_id = Groupid viewer_user_id (Only Views for this Student) = UserID Viwer_Group_id = Groupid</p> <p><b>Parameters not supported via API:</b> SortCourseBy (Sort by) requesting_user_only_author (IncludeOnlyCoursesIhaveAuthored) author_id (Only Course by this author) Minduration (MinimumViewingTime) ShowQandA (Show detailed responses for Evaluations ) ShowPollDetails (Show detailed responses for Polls) ShowSurveyDetails (Show detailed responses for Surveys) ShowEssayText (Show detailed responses for Essays) ShowEvalSummary (Show summary of Evaluation responses) ShowPollSummary (Show summary of Poll responses) ShowSurveySummary (Show summary of Survey responses) include_archived (Include Archived Presentation) IncludePreviews (Include previews) include_deleted (Include Deleted Students) include_inactive (Include Inactive Students)</p> <p>This report does not support the use of custom filters</p>
10	<p><b>Learning Content</b> Category_id Parameter Required GroupBy Parameter Required</p> <p>"Header": "CurriculumCreationDate, CurriculumAuthor, CurriculumName, CurriculumDuration, CurriculumId, Course_Creation_Date, Course_Author, Course_Name, Course_Duration, Content_Type, Total_Enrolled, Presentation_ID, CourseId, Folder, CurriculumDescription, Course_Description, Course_Extended_Description, Topic, P_Slide_Count, Course_Credits, Expiration_Date, Enrollment_Type, Course_Is_Deleted, Course_Is_Active, Course_Is_Archived, Number_Enrolled, Number_Incomplete, Number_Completed, Percentage_Passed, Last_Reminder_Date, Last_Reminder_Type, CurriculumIsDynamic, TotalViews, TotalMinutes, Date_Of_Last_View, CourseURL, CourseLastModifiedDate, CourseReq, Average_Rating, NumberOfComments, Percentage_Incomplete, Percentage_Complete, CurriculumIsActive, TotalQuestions, ExaminationQuestions, Average_Days_To_Completion"</p>	<p>/Brainshark Reports/Enhanced Learning Reports/Learning Content</p> <p><b>Standard Default Parameters:</b> Category_id Required = FolderID recurse_categories = True/False (default=False) presentation_list (CourseList) = PresentationID (Only supports one id) begin_date (Created on or after) = Date end_date (Created on or before) = Date Output = csv,namevalue Groupby (Sortby) = 1,2 (Required Parameter) 1= Date Created 2= Author</p> <p><b>Custom Filters that are supported but fields do not return in results:</b> Author_E_Mail Author_First_Name Author_Last_Name Author_User_Name Course_ID_Filter</p> <p>These fields are not supported for using as a custom filter: Percentage_Incomplete Percentage_Complete Date_Of_Last_View TBD</p>
11	<p><b>My Transcript</b></p> <p>"Header": "TotalViewingTime, TotalTimeListened, TotalPercentDuration, TotalSlidesViewed, TotalPercentSlidesViewed, MaxPoints, MaxScore, MaxPassFail, EnrollmentStatus, EnrollmentD</p>	<p>/Brainshark Reports/Learning Reports/My Transcript</p> <p><b>Standard Default Parameters:</b> begin_date (Enrolled on or after) = Date (or Date/Time) end_date (Enrolled on or Before) = Date (or Date/Time) output = csv,namevalue</p>

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	<p>ate,CompletionDate,DateTime,ViewingTime,TimeListened,SlidesViewed,PercentDuration,PercentSlidesViewed,PassFail,PresentationID,Title,Topic,Student,StudentEMail,InteractionType,QuestionNumber,Question,QuestionPoints,Answer,IsCorrect,AnswerLabel,Points,Score,ContentType,CreditsEarned,SCORM_Duration"</p>	<p>GroupBy (Sort enrollments by) =0,1,2,3,4,5,6  0 = CourseTitle  1= PresentationID  2= Date Completed  3= Date Enrolled  4 = Enrollment Status  5= Topic  6= Content Type</p> <p>Parameters not supported via API:  EnrollmentStatus (Enrollment status)  PFStatus (Test score status)  minimum_score  show_view_detail (Show viewing records)  show_interaction_detail (Show question details)</p> <p>This report does not support the use of custom filters</p>
12	<p><b>SCORM Data</b></p> <p>"Header": "EnrollmentID,StudentLastName,StudentFirstName,StudentID,Username,StudentEmail,PresentationTitle,PresentationID,Topic,EnrollmentStatus,EnrollmentDate,CompletionDate,TotalTrackedDuration,TotalReportedDuration,IsSuccessKnown,IsSuccess,IsCompletionKnown,IsComplete,Score,ProgressMeasure,InteractionId,InteractionDescription,InteractionAnsweredSequence,InteractionAnsweredDate,InteractionLatency,InteractionUserResponse,InteractionCorrectResponse,InteractionResult,InteractionResultNumeric"</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Data Download/SCORM Reports/SCORM Data</p> <p><b>Standard Default Parameters:</b>  category_id = Folderid  begin_date (Enrollment Start date) = Date (or Date/Time)  end_date (Enrollment Start date) = Date (or Date/Time)  Curriculum_id = CurriculumID  presentation_id = PresentationID  viewer_user_id = Userid  recurse_categories = True/False (default=False)  output = csv,namevalue  author_group_id (Only courses authored by this group) = GroupID  viewer_user_id (Only enrollments for this student) = Userid  viewer_group_id (Only enrollments by students in this group) = GroupID</p> <p>Parameters not supported via API:  requesting_user_only_author (Include only courses I have authored)  author_id (Only courses by this author)</p> <p>This report does not support the use of custom filters</p>
13	<p><b>Student Transcript</b> (no parameters required)</p> <p>"Header": "PresentationID,CurriculumID,Title,Topic,Student,StudentActive,StudentDeleted,StudentEMail,TotalViewingTime,TotalTimeListened,TotalPercentDuration,TotalSlidesViewed,TotalPercentSlidesViewed,MaxPoints,MaxScore,MaxPassFail,EnrollmentStatus,EnrollmentDate,CompletionDate,DateTime,ViewingTime,TimeListened,SlidesViewed,PercentDuration,PercentSlidesViewed,PassFail,Manager_Name,InteractionType,QuestionNumber,Question,QuestionPoints,Answer,IsCorrect,AnswerLabel,Points,Score,ContentType,CreditsEarned,Student_User_Name,Student_Title,Student_Department,Student_Company_Name,Student_Custom_1,Student_Custom_2,Student_Custom_3,Student_Custom_4,Student_Custom_5,Student_Custom_6,Student_Custom_7,Student_Custom_8,Student_Custom_9,Student_Custom_10,SCORM_Duration,DueDate,CoursesDeleted"</p>	<p>/Brainshark Reports/Learning Reports/Learning Administration Reports/Student Transcript</p> <p><b>Standard Default Parameters:</b>  begin_date (Enrollment Start date) = Date (or Date/Time)  end_date (Enrollment Start date) = Date (or Date/Time)  category_id = Folderid  recurse_categories = True/False (default=False)  Curriculum_id = CurriculumID  presentation_id = PresentationID  output = csv,namevalue  Groupby (Sort by) = 0,1,2,3,4,5,6,7  0 = Course Title  1 = PresentationID  2 = Date Completed  3 = Date Enrolled  4 = Enrollment Status  5 = Topic  6 = Content Type  7 = CurriculumID  author_group_id (Only courses authored by this group) = GroupID  viewer_user_id (Only enrollments for this student) = Userid  viewer_group_id (Only enrollments by students in this group) = GroupID</p>

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	<p>Parameters not supported via API:</p> <ul style="list-style-type: none"> <li>requesting_user_only_author (Include only courses I have authored)</li> <li>author_id (Only courses by this author)</li> <li>EnrollmentStatus</li> <li>PFStatus (Test score status)</li> <li>minimum_score</li> <li>show_view_detail (Show viewing records)</li> <li>show_interaction_detail (Show question details)</li> <li>include_deleted (Include Delete Students)</li> <li>include_inactive (Include Inactive Students)</li> </ul> <p>This report does not support the use of custom filters</p>
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### Learning Report parameters:

- Parameter Name=begin\_date, DataType=DateTime;
- Parameter Name= Category\_id, DataType=Integer; (folderid)
- Parameter Name= Categoryid, DataType=Integer; (folderid)
- Parameter Name= Curriculum\_id, DataType=Integer; (curriculum id)
- Parameter Name=end\_date, DataType=DateTime;
- Parameter Name= presentation\_id, DataType=Integer;
- Parameter Name=presentation\_list, DataType=String; (comma separated list)
- Parameter Name=viewer\_user\_id, DataType=Integer;
- Parameter Name= recurse\_categories, DataType=Boolean
- Parameter Name=show\_view\_detail, DataType=Boolean;
- Parameter Name=show\_interaction\_detail, DataType=Boolean;
- Parameter Name=sortcoursebytitle, DataType=String;
- Parameter Name=sortcourseby2, DataType=Integer,
  - ValidValues=
  - ValidName=Select, Value=2
  - ValidName=% Duration, Value=3
  - ValidName=% Slides Viewed, Value=4
  - ValidName=Completed Date, Value=5
  - ValidName=Enrolled Date, Value=6
  - ValidName=Points, Value=7
  - ValidName=Score, Value=8
  - ValidName=Status, Value=9
  - ValidName=Student, Value=10
- Parameter Name=sortcourseby3, DataType=Integer,
  - ValidValues=
  - ValidName=Select, Value=2
  - ValidName=% Duration, Value=3
  - ValidName=% Slides Viewed, Value=4
  - ValidName=Completed Date, Value=5
  - ValidName=Enrolled Date, Value=6
  - ValidName=Points, Value=7
  - ValidName=Score, Value=8
  - ValidName=Status, Value=9
  - ValidName=Student, Value=10
- Parameter Name=sortcourseby3\_subtotal, DataType=Boolean;
- Parameter Name=sortcoursebytitle\_direction, DataType=String,
  - ValidValues=
  - ValidName=Ascending, Value=Ascending
  - ValidName=Descending, Value=Descending
- Parameter Name=sortcourseby2\_direction, DataType=String,
  - ValidValues=
  - ValidName=Ascending, Value=Ascending
  - ValidName=Descending, Value=Descending
- Parameter Name=sortcourseby3\_direction, DataType=String,
  - ValidValues=
  - ValidName=Ascending, Value=Ascending
  - ValidName=Descending, Value=Descending
- Parameter Name=begin\_date\_activity, DataType=DateTime;

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- ❏ Parameter Name=end\_date\_activity, DataType=DateTime;
- ❏ Parameter Name=curriculum\_list (list of curriculumids separated by commas)
- ❏ Parameter Name=viewer\_group\_id, DataType=Integer
- ❏ Parameter Name=customfilter, DataType=String,  
ValidFilters=
  - o FilterName = AudioListened ,DataType=Integer,DisplayName= Viewing\_Time, Learning Activity only
  - o Filtername = author,DataType=String,DisplayName=Author, Course\_Author, CourseAuthor
  - o Filtername = author\_e\_mail,DataType=String,DisplayName= N/A
  - o Filtername = author\_first\_name,DataType=String,DisplayName= N/A
  - o Filtername = author\_last\_name,DataType=String,DisplayName= N/A
  - o Filtername = author\_user\_name,DataType=String,DisplayName= N/A
  - o Filtername = AvgCompletionDays,DataType=String,DisplayName= Average\_Days\_To\_Completion, Learning Content only
  - o Filtername = AvgRating,DataType=String,DisplayName= Average\_Rating, Learning Content only
  - o Filtername = challenge\_overall\_score,DataType=String,DisplayName= N/A, Curriculum Enrollment only
  - o Filtername = ChallengeAvgScore,DataType=String,DisplayName= Avg Score, Learning Activity only
  - o Filtername = Comment,DataType=String,DisplayName= N/A, Learning Activity only
  - o Filtername = completion\_criteria\_audio\_pct,DataType=String,DisplayName= N/A, Learning Activity only
  - o Filtername = completion\_criteria\_slides\_pct,DataType=String,DisplayName= N/A, Learning Activity only
  - o Filtername = CompletionDate,DataType=Date,DisplayName= Completion Date, Learning Activity only
  - o Filtername = contenttype,DataType=String,DisplayName= ContentType, Content Type, Content\_Type
  - o Filtername = Course\_Credits,DataType=Integer,DisplayName = Credits, Course\_Credits
  - o Filtername = Course\_Description,DataType=String,DisplayName = CourseDescription, Course\_Description
  - o Filtername = Course\_Enrollment\_Type,DataType=SelectList,DisplayName= Enrollment\_Type, Learning Content only
  - o Filtername = Course\_Extended\_Description,DataType=String,DisplayName= CourseExtendedDescription, Course\_Extended\_Description
  - o Filtername = Course\_ID\_Filter,DataType=Integer,DisplayName= courseid
  - o Filtername = Course\_Is\_Active,DataType=Boolean,DisplayName = CourselsActive, Course\_Is\_Active
  - o Filtername = Course\_Is\_Archived,DataType=Boolean,DisplayName = CourselsArchived, Course\_Is\_Archived
  - o Filtername = Course\_Is\_Deleted,DataType=Boolean,DisplayName = CourselsDeleted, Course\_Is\_Deleted
  - o Filtername = Course\_last\_reminder\_date,DataType=Date,DisplayName= Last\_Reminder\_Date, Learning Content only
  - o Filtername = Course\_last\_reminder\_type,DataType=SelectList,DisplayName= Last\_Reminder\_Type, Learning Content only
  - o Filtername = Course\_num\_completed,DataType=Integer,DisplayName= Number\_Completed, Learning Content only
  - o Filtername = Course\_num\_enrolled,DataType=Integer,DisplayName= Total\_Enrolled, Learning Content only
  - o Filtername = Course\_num\_incomplete,DataType=Integer,DisplayName= Number\_Incomplete, Learning Content only
  - o Filtername = Course\_pct\_passed,DataType=string,DisplayName= Percentage\_Passed, Learning Content only
  - o Filtername = Course\_Title,DataType=String,DisplayName= CourseName, CourseTitle, Course\_Title
  - o Filtername = CourseAuthor,DataType=String,DisplayName= Course\_Author, Learning Content only
  - o Filtername = CourseCreationDate,DataType=Date,DisplayName= CourseCreationDate, Learning Activity only
  - o Filtername = CourseExtendedDescription,DataType=String,DisplayName= Course Extended Description TBD, Learning Activity only
  - o Filtername = CourseId,DataType=Integer,DisplayName= CourseId
  - o Filtername = CourselsActive,DataType=Boolean,DisplayName= Course Is Active, Learning Activity only
  - o Filtername = CourselsDeleted,DataType=Boolean,DisplayName= CourseDeleted, Course Is Deleted
  - o Filtername = CourselsReq,DataType=Boolean,DisplayName= CourselsReq, Learning Content only
  - o Filtername = CourseLastModifiedDate,DataType=Date,DisplayName= CourseLastModifiedDate, Learning Content only
  - o Filtername = CourseName,DataType=String,DisplayName= Course\_Name, Learning Content only
  - o Filtername = Credits,DataType=Integer,DisplayName= Credits, , Learning Activity only
  - o Filtername = CreditsEarned,DataType=Integer,DisplayName= Credits Earned, Learning Activity only

## Brainshark Rest Web Services APIs

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- o Filtername = Cur\_CompletionDate,DataType=Date,DisplayName= CompletedDate
- o Filtername = Cur\_Enrollment\_Status,DataType=String,DisplayName= Status, CurriculumEnrollmentStatus
- o Filtername = Cur\_EnrollmentStatusID,DataType=Integer,DisplayName= N/A
- o Filtername = Cur\_num\_courses,DataType=Integer,DisplayName= Total\_Number\_Of\_Courses
- o Filtername = Cur\_num\_courses\_completed,DataType=Integer,DisplayName= Progress\_Courses\_Completed
- o Filtername = Cur\_num\_courses\_required,DataType=Integer,DisplayName= NumberOf\_Required\_Courses
- o Filtername = CurEnrollmentStatusDesc,DataType=String,DisplayName= Curriculum\_Enrollment\_Status, Learning Activity only
- o Filtername = curriculum\_deleted,DataType=Boolean,DisplayName= CurriculumDeleted
- o Filtername = curriculum\_ID,DataType=Integer,DisplayName= CurriculumID
- o Filtername = curriculum\_title,DataType=String,DisplayName= CurriculumTitle
- o Filtername = CurriculumAuthor,DataType=String,DisplayName= CurriculumAuthor
- o Filtername = CurriculumCompletionDate,DataType=Date,DisplayName=Curriculum Completion Date, Learning Activity only
- o Filtername = CurriculumCreationDate,DataType=Date,DisplayName= CurriculumCreationDate
- o Filtername = CurriculumDescription,DataType=String,DisplayName= CurriculumDescription, Learning Content only
- o Filtername = Curriculumduration,DataType=String,DisplayName= Curriculum Duration, CurriculumDuration
- o Filtername = Curriculumid,DataType=Integer,DisplayName= Curriculum Id, CurriculumId
- o Filtername = CurriculumIsActive,DataType=Boolean,DisplayName= CurriculumIsActive, Learning Content only
- o Filtername = CurriculumIsDynamic,DataType=Boolean,DisplayName= CurriculumIsDynamic, Learning Content only
- o Filtername = CurriculumName,DataType=String,DisplayName= CurriculumName, Learning Content only
- o Filtername = Curriculumtitle,DataType=String,DisplayName= Curriculum Title, Learning Activity only
- o Filtername = DateLastView,DataType=Date,DisplayName= Date\_Of\_Last\_View, Learning Content only TBD
- o Filtername = DaysEnrolledWithoutCompletion,DataType=Integer,DisplayName= Days Enrolled Without Completion, Learning Activity only
- o Filtername = DaysToCompletion,DataType=Integer,DisplayName= Days To Completion, Learning Activity only
- o Filtername = enrollment\_status,DataType=SelectList,DisplayName=Course Completion Status, Status, CourseEnrollmentStatus
- o Filtername = EnrollmentDate,DataType=Date,DisplayName= EnrollmentDate, EnrolledDate
- o Filtername = EnrollmentID,DataType=Integer,DisplayName= N/A SCORM Data returns the id. (Learning Activity only as cf)
- o Filtername = EnrollmentStatus,DataType=SelectList,DisplayName= Status, Curriculum Enrollment only
- o Filtername = EnrollmentStatusID,DataType=Integer,DisplayName= N/A Learning Activity only
- o Filtername = EnrollmentType,DataType=Integer,DisplayName= EnrollmentType, Learning Activity only
- o Filtername = ExaminationQuestions,DataType=Integer,DisplayName= ExaminationQuestions, Learning Content only
- o Filtername = ExpirationDate,DataType=Date,DisplayName= Expiration Date, Learning Activity only
- o Filtername = FirstViewDate,DataType=Date,DisplayName= First\_Viewed, Learning Activity only
- o Filtername = Folder,DataType=String,DisplayName= Folder (foldername), Learning Activity only
- o Filtername = group\_names,DataType=String,DisplayName= Group, Enrollment Report for Group Managers only
- o Filtername = GroupID,DataType=Integer,DisplayName= N/A, Curriculum Summary By Group only
- o Filtername = GroupListName,DataType=String,DisplayName= N/A, Curriculum Summary By Group only
- o Filtername = IsEnrollmentbyGroup,DataType=String,DisplayName= IsEnrollmentbyGroup, Learning Activity only
- o Filtername = IsRequired,DataType=Boolean,DisplayName= Is Required, Learning Activity only
- o Filtername = LastReminderDate,DataType=Date,DisplayName= Last Reminder Date, Learning Activity only
- o Filtername = LastReminderType,DataType=String,DisplayName= Last Reminder Type, Learning Activity only
- o Filtername = LastViewDate,DataType=Date,DisplayName= Student\_Date\_Last\_View, Learning Activity only
- o Filtername = LatestSubmittedDate,DataType=Date,DisplayName= Last Submitted Date, Learning Activity only
- o Filtername = LatestVersion,DataType=string,DisplayName= Latest Version, Learning Activity only
- o Filtername = ManagerFullName,DataType=String,DisplayName= Manager Name (lastname, firstname), Learning Activity only
- o Filtername = ManagerUserId,DataType=Integer,DisplayName= N/A, Learning Activity only



## Brainshark Rest Web Services APIs

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- o Filtername = ManagerUsername,DataType=String,DisplayName= Manager Username, Learning Activity only
- o Filtername = NumberOfComments,DataType=Integer,DisplayName= NumberOfComments, Learning Content only
- o Filtername = NumberOfReviewers,DataType=Integer,DisplayName= N/A, Learning Activity only
- o Filtername = NumEnrollments,DataType=Integer,DisplayName= Number\_Enrolled, Learning Content only
- o Filtername = OpenEnrollmentMax,DataType=Integer,DisplayName= OpenEnrollmentMax (TBD), Course Creation
- o Filtername = PassFail,DataType=string,DisplayName= PassFail
- o Filtername = passfail\_criteria\_score\_pct,DataType=Integer,DisplayName= N/A, Learning Activity only
- o Filtername = PctAudioListened,DataType=String,DisplayName= Percent Audio, Learning Activity only
- o Filtername = PctSlidesViewed,DataType=String,DisplayName= Percent Slides Viewed, Learning Activity only
- o Filtername = PctTestScore,DataType=String,DisplayName= Score, Learning Activity only
- o Filtername = PctTimeListened,DataType=String,DisplayName= Percent Duration, , Learning Activity only
- o Filtername = points,DataType=Integer,DisplayName=Points
- o Filtername = PresDuration,DataType=String,DisplayName= Course\_Duration
- o Filtername = Presentation\_Archived,DataType=Boolean,DisplayName= CourseArchived, Course Is Archived
- o Filtername = Presentation\_Expiration\_Date,DataType=Date,DisplayName= Expiration\_Date, ExpirationDate
- o Filtername = Presentation\_Folder\_Name,DataType=String,DisplayName= Folder
- o Filtername = Presentation\_status,DataType=String,DisplayName= N/A
- o Filtername = Presentation\_URL,DataType=String,DisplayName= CourseURL, Learning Content only
- o Filtername = PresentationCreatedDate,DataType=Date,DisplayName= Course\_Creation\_Date, Learning Content only
- o Filtername = PresentationID,DataType=Integer,DisplayName= Presentation\_ID
- o Filtername = Presentationtitle,DataType=String,DisplayName= Course Title, CourseTitle
- o Filtername = PresSlideCount,DataType=String,DisplayName= PresSlideCount, P\_Slide\_Count
- o Filtername = Rating,DataType=Integer,DisplayName= Rating, Learning Activity only
- o Filtername = score,DataType=String,DisplayName=Score
- o Filtername = SCORM\_Duration,DataType=Integer,DisplayName= SCORM\_Duration, Learning Activity only
- o Filtername = set\_Author,DataType=String,DisplayName= Author (lastname, firstname)
- o Filtername = SlidesViewed,DataType=Integer,DisplayName= Slides\_Viewed
- o Filtername = Student,DataType=String,DisplayName= Student (lastname, firstname)
- o Filtername = student\_address1,DataType=String,DisplayName= StudentAddress1
- o Filtername = student\_address2,DataType=String,DisplayName= Student Address2
- o Filtername = student\_city,DataType=String,DisplayName= StudentCity, Student City
- o Filtername = student\_company,DataType=String,DisplayName= StudentCompany, Student Company
- o Filtername = student\_country,DataType=String,DisplayName= StudentCountry, Student Country
- o Filtername = student\_custom1,DataType=String,DisplayName= StudentCustom1
- o Filtername = student\_custom10,DataType=String,DisplayName=Student\_Custom10
- o Filtername = student\_custom2,DataType=String,DisplayName= StudentCustom2
- o Filtername = student\_custom3,DataType=String,DisplayName= StudentCustom3
- o Filtername = student\_custom4,DataType=String,DisplayName= StudentCustom4
- o Filtername = student\_custom5,DataType=String,DisplayName=Student\_Custom5
- o Filtername = student\_custom6,DataType=String,DisplayName=Student\_Custom6
- o Filtername = student\_custom7,DataType=String,DisplayName=Student\_Custom7
- o Filtername = student\_custom8,DataType=String,DisplayName=Student\_Custom8
- o Filtername = student\_custom9,DataType=String,DisplayName=Student\_Custom9
- o Filtername = student\_date\_created,DataType=Date,DisplayName=N/A
- o Filtername = student\_date\_last\_visit,DataType=Date,DisplayName= N/A

## Brainshark Rest Web Services APIs

- o Filtername = student\_department,DataType=String,DisplayName= StudentDepartment, Student\_Department
- o Filtername = student\_email,DataType=String,DisplayName= StudentEMail, Student\_Email
- o Filtername = student\_first\_name,DataType=String,DisplayName= StudentFirstName
- o Filtername = student\_group,DataType=SelectList,DisplayName= Group
- o Filtername = Student\_Group1,DataType=String,DisplayName= N/A, Learning Activity only
- o Filtername = Student\_Is\_Active,DataType=Boolean,DisplayName= StudentActive, Student Is Active
- o Filtername = student\_is\_deleted,DataType=Boolean,DisplayName= StudentDeleted, Student Is Deleted
- o Filtername = student\_last\_name,DataType=String,DisplayName= StudentLastName
- o Filtername = Student\_Manager,DataType=String,DisplayName= Manager\_Name
- o Filtername = student\_phone,DataType=String,DisplayName= StudentPhone, Student Phone
- o Filtername = student\_postal\_code,DataType=String,DisplayName= StudentPostalCode, Student Postal Code
- o Filtername = student\_state,DataType=String,DisplayName= StudentState, Student State
- o Filtername = Student\_Status,DataType=String,DisplayName= Status
- o Filtername = student\_title,DataType=String,DisplayName= StudentTitle, Student Title
- o Filtername = Student\_Unique\_Company,DataType=String,DisplayName= N/A
- o Filtername = student\_user\_name,DataType=String,DisplayName= StudentUserName, Student User Name
- o Filtername = StudentID,DataType=Integer,DisplayName= StudentID
- o Filtername = SubmissionPresentationId,DataType=Integer,DisplayName= N/A, Learning Activity only
- o Filtername = TestScore,DataType=Boolean,DisplayName= Score
- o Filtername = topic,DataType=String,DisplayName=Topic
- o Filtername = TotalMinutes,DataType=String,DisplayName= TotalMinutes, Learning Content only
- o Filtername = TotalQuestions,DataType=String,DisplayName= TotalQuestions, Learning Content only
- o Filtername = TotalViews,DataType=String,DisplayName= TotalViews, Learning Content only
- o Filtername = UserCustom2,DataType=String,DisplayName= Student Custom02, Learning Activity only
- o Filtername = ViewTimePerUser,DataType=String,DisplayName= N/A, Learning Activity only

### ValidOperators=

- o OperatorName=EQ,Description="="
- o OperatorName=GT,Description=">"
- o OperatorName=GE,Description=">="
- o OperatorName=LT,Description="<"
- o OperatorName=LE,Description="<="
- o OperatorName=NE,Description="<>"
- o OperatorName=CT,Description="contains"
- o OperatorName=NC,Description="does not contain"
- o OperatorName=BW,Description="begins with"

## Coaching

Ref#	Report Title	Path
1	<p><b>Coaching Participant Summary Report</b> (No Parameters Required)</p> <p>"Header": "Participant_Name,Manager,Coach,Number_of_Challenge_Invitations,Number_of_Submissions,Percent_Completed_Submissions,Number_of_Submissions_Reviewed,Percent_of_Submissions_Reviewed,Total_Number_of_Reviews_Received,Average_Score,Number_of_Peer_Comments_Received,Number_of_Peer_Comments_Submitted"</p>	<p>/Brainshark Reports/Coaching Reports/Summary Reports/Coaching Participant Summary Report</p> <p><b>Standard Default Parameters:</b> begin_date (Coaching Activity Created Date Range) = Date (or DateTime) end_date (Coaching Activity Created Date Range) = Date (or DateTime) Output =csv, namevalue</p> <p>This report does not support the use of custom filters</p>

## Brainshark Rest Web Services APIs

2	<p><b>Coaching Challenge Summary Report</b> (No Parameters Required)</p> <p>"Header": "Challenge_Name, Challenge_ID, Creator_First_Name, Creator_Last_Name, Creator_Email, Created_Date, Number_of_Participants, Number_of_Submissions, Percent_of_Completed_Submissions, Number_of_Submissions_Reviewed, Percent_of_Submissions_Reviewed, Reviewers_Assigned, Reviews_Completed, Reviews_Without_Criteria_Feedback, Average_Score, Peers_Posting_Comments, Number_of_Peer_Comments, Total_Number_of_Participants, Total_Number_of_Submissions, Total_Percent_of_Completed_Submissions, Number_of_Submissions_Reviewed1, Total_Percent_of_Submissions_Reviewed, Total_Reviews_Completed, Total_Reviews_Without_Criteria_Feedback, Total_Peers_Posting_Comments, Number_of_Peer_Comments1"</p>	<p>/Brainshark Reports/Coaching Reports/Summary Reports/Coaching Challenge Summary Report</p> <p>OR</p> <p>/Brainshark Reports/Coaching Reports/Coaching Challenge Summary Report</p> <p><b>Standard Default Parameters:</b> begin_date (created on or after) = Date (or DateTime) end_date (created on or before) = Date (or DateTime) output = csv,namevalue</p> <p>Additional Supported Parameters: manager_group_list = GroupID (user running report must be manager of group identified)</p> <p><b>Custom Filters that are supported but fields do not return in results:</b> company_id Reviews_With_Unrated_Criteria</p> <p>The fields listed here are not supported as a custom filter: Total_Number_of_Participants Total_Number_of_Submissions Total_Percent_of_Completed_Submissions Number_of_Submissions_Reviewed1 Total_Percent_of_Submissions_Reviewed Total_Reviews_Completed Total_Reviews_Without_Criteria_Feedback Total_Peers_Posting_Comments Number_of_Peer_Comments1</p> <p>Note: Created_date in this report is mm/dd/yy and as custom filter only supports</p> <ul style="list-style-type: none"> <li>o OperatorName=GT,Description="&gt;"</li> <li>o OperatorName=GE,Description="&gt;="</li> <li>o OperatorName=LT,Description="&lt;"</li> <li>o OperatorName=LE,Description="&lt;="</li> <li>o OperatorName=NE,Description="&lt;&gt;"</li> <li>o OperatorName=CT,Description="contains"</li> <li>o OperatorName=NC,Description="does not contain"</li> <li>o OperatorName=BW,Description="begins with"</li> </ul>
3	<p><b>Challenge Details Report</b> challenge_id parameter required</p> <p>"Header": "Challenge_Name, Challenge_Create_Date, Participant_Name, Manager, Coach, Invitation_Date, Version, Submission_Date, reviewer_name, review_date, Average_Score, MachineScore, General_Feedback, R1Title, R1Weight, R1Rating, R1Comment, R2Title, R2Weight, R2Rating, R2Comment, R3Title, R3Weight, R3Rating, R3Comment, R4Title, R4Weight, R4Rating, R4Comment, R5Title, R5Weight, R5Rating, R5Comment, R6Title, R6Weight, R6Rating, R6Comment, R7Title, R7Weight, R7Rating, R7Comment, R8Title, R8Weight, R8Rating, R8Comment, R9Title, R9Weight, R9Rating, R9Comment, R10Title, R10Weight, R10Rating, R10Comment, R11Rating, R11Comment, R12Rating, R12Comment, R13Rating, R13Comment, R14Rating, R14Comment, R15Rating, R15Comment, R16Rating, R16Comment, R17Rating, R17Comment, R18Rating, R18Comment, R19Rating, R19Comment, R20Rating, R20Comment, number_of_takes, AvgLengthtakes, number_of_shares"</p>	<p>/Brainshark Reports/Coaching Reports/Challenge Details Report</p> <p><b>Standard Default Parameters:</b> challenge_id (required) = ChallengeID output = csv,namevalue</p> <p>This report does not support the use of custom filters</p>
4	<p><b>Challenge Responses Report</b></p>	<p>/Brainshark Reports/Coaching Reports/Challenge Responses Report</p>

## Brainshark Rest Web Services APIs

	<p>"Header": "challenge_name, Challenge_ID, author_first_name, participant_first_name, participant_username, participant_email, Manager, Coach, invitation_date, version, submission_date, days_to_complete_submission, Average_Score, MachineScore, peers_submitting_feedback, R1Name, R1Date, R1Score, R2Name, R2Date, R2Score, R3Name, R3Date, R3Score, R4Name, R4Date, R4Score, R5Name, R5Date, R5Score, R6Name, R6Date, R6Score, R7Name, R7Date, R7Score, R8Name, R8Date, R8Score, R9Name, R9Date, R9Score, R10Name, R10Date, R10Score, R11Name, R11Date, R11Score, R12Name, R12Date, R12Score"</p>	<p>Or</p> <p>/Brainshark Reports/Coaching Reports/Summary Reports/Challenge Responses Report</p> <p><b>Standard Default Parameters:</b>  begin_date (Activity Created on or after) = Date (or DateTime)  end_date (Activity Create on or before) = Date (or DateTime)  output = csv, namevalue</p> <p>Parameters not supported via API:  include_deleted (Include deleted Challenges)</p> <p>This report does not support the use of custom filters</p>
5	<p><b>Coaching Activity Status Report</b></p> <p>challenge_id parameter required</p> <p>"Header": "challenge_id, challenge_title, participant_first_name, participant_last_name, participant_username, participant_email, invitation_date, latest_version, submission_date, last_review_date, number_of_reviewers, number_of_reviews, average_score, activity_type"</p>	<p>/Brainshark Reports/Coaching Reports/Coaching Activity Status Report</p> <p><b>Standard Default Parameters:</b>  challenge_id (required) = challengeID  output = csv, namevalue</p> <p>This report does not support the use of custom filters</p>
6	<p><b>Coaching Reviewer Summary Report</b></p> <p>No Parameters Required</p> <p>"Header": "Reviewer_Name, Number_of_Assigned_Challenges, Number_of_Submissions, Number_of_Completed_Reviews, Percent_of_Completed_Reviews, Average_Score"</p>	<p>/Brainshark Reports/Coaching Reports/Summary Reports/Coaching Reviewer Summary Report</p> <p><b>Standard Default Parameters:</b>  begin_date = Date Reviewed on or after  end_date = Date Reviewed on or before  output = csv, namevalue</p> <p>This report does not support the use of custom filters</p>
7	<p><b>Coaching Summary</b></p> <p>No Parameters Required or Supported</p> <p>"Header": "challenge_name, username, challenge_create_date, number_of_participants, number_of_submitted_challenges, number_of_reviewers, Reviews, Reviews_with_Comments, Reviews_with_Ratings"</p>	<p>/Brainshark Reports/Coaching Reports/Summary Reports/Coaching Summary</p> <p><b>Standard Default Parameters:</b>  Output</p> <p>This report does not support the use of custom filters</p>

- ❑ Parameter Name=customfilter, DataType=String, ValidFilters=
- o FilterName= Average\_Score, DataType=String, DisplayName= Average\_Score
  - o FilterName= challenge\_id, DataType=String, DisplayName= Challenge\_ID
  - o FilterName= challenge\_name, DataType=String, DisplayName= Challenge\_Name
  - o FilterName= company\_id, DataType=Integer, DisplayName=N/A, Coaching Challenge Summary Report only
  - o FilterName= Created\_Date, DataType=Date, DisplayName= Created\_Date, Coaching Challenge Summary Report only
  - o FilterName= Creator\_Email, DataType=String, DisplayName= Creator\_Email,
  - o FilterName= Creator\_First\_Name, DataType=String, DisplayName= Creator\_First\_Name,
  - o FilterName= Creator\_Last\_Name, DataType=String, DisplayName= Creator\_Last\_Name
  - o FilterName= number\_of\_participants, DataType=Integer, DisplayName= Number\_of\_Participants
  - o FilterName= Number\_of\_Peer\_Comments, DataType= Integer, DisplayName= Number\_of\_Peer\_Comments
  - o FilterName= Number\_of\_Peers\_Posting\_Comments, DataType= Integer, DisplayName= Peers\_Posting\_Comments
  - o FilterName= number\_of\_submissions, DataType= Integer, DisplayName= Number\_of\_Submissions
  - o FilterName= Number\_of\_Submissions\_Reviewed, DataType= Integer, DisplayName= Number\_of\_Submissions\_Reviewed
  - o FilterName= Percent\_of\_Completed\_Submissions, DataType=String, DisplayName= Percent\_of\_Completed\_Submissions
  - o FilterName= Percent\_of\_Submissions\_Reviewed, DataType=String, DisplayName= Percent\_of\_Submissions\_Reviewed
  - o FilterName= Reviewers\_Assigned, DataType=Integer, DisplayName= Reviewers\_Assigned
  - o FilterName= Reviews\_Completed, DataType=Integer, DisplayName= Reviews\_Completed
  - o FilterName= Reviews\_With\_Unrated\_Criteria, DataType=Integer, DisplayName= N/A

## Brainshark Rest Web Services APIs

o FilterName= reviews\_without\_criteria\_feedback,DataType=Integer,DisplayName= Reviews\_Without\_Criteria\_Feedback

### Administration

Ref#	Report Title	Path
1	<b>Activity Summary</b> No Parameters Required  "Header": "FolderName,ActivePresentations,InactivePresentations,ExpiredPresentations,DeletedPresentations,TotalPresentations,PresentationDuration,Views,PhoneTime,ViewingTime,ActiveUsers,TotalViewers,Is_Archived"}	/Brainshark Reports/Administration Reports/Activity Summary  <b>Standard Default Parameters:</b> begin_date (StartDate) = Date end_date (Enddate) = Date Output = csv, namevalue  <b>Parameters not supported via API:</b> Include previews = True/False include_archived (Include Archived Presentations) = True/False showbyfolder (Show activity by folder)  This report does not support the use of custom filters
2	<b>Content Approval Report</b> No Parameters Required  "Header": "presentation_id,title,created_date,last_updated_date,folder,author_first,author_last,author_email,presentation_status,approval_levels,a1_state_description,a1_first_name,a1_last_name,a1_email,a1_date_of_state_change,a1_date_of_approval,a1_comments,a2_state_description,a2_first_name,a2_last_name,a2_email,a2_date_of_state_change,a2_date_of_approval,a2_comments"}	/Brainshark Reports/Administration Reports/Content Approval Report  <b>Standard Default Parameters:</b> Output = csv, namevalue  This report does not support the use of custom filters
3	<b>Deleted Users</b> This report is not supported via Webservices	/Brainshark Reports/Administration Reports/Deleted Users This report is not supported via Webservices
4	<b>Groups by User</b> No Parameters Required  "Header": "UserName,LastName,FirstName,Manager_Name,GroupName,IsDeleted"}	/Brainshark Reports/Administration Reports/Groups by User  <b>Standard Default Parameters:</b> Output = csv,namevalue Groupby (Sortby) = 0,1 Sortby 0 = Username 1 = Lastname  <b>Parameters not supported via API:</b> Include_Inactive_Users Include_deleted_users  This report does not support the use of custom filters
5	<b>User Bulk Download</b> No Parameters Required  "Header": "Action,CompanyDirectory,UserName,Password,LastName,FirstName,Title,Department,Phone,Email,CompanyName,CreatePersonalFolder,IsCompanyAdmin,MayEditProfile,IsActive,Address1,Address2,City,State,Country,PostalCode,Custom1,Custom2,Custom3,Custom4,UCI,MayCreateInteractions,IsLearningAuthor,IsLearningManager,IsLearningAdmin,MustChangePassword,DefaultApplication,DefaultHomePage,MayRequestGA,MayMakeGAOwner,MayDeleteGAPres,Bio,IMDisplayText,IMLinkID,IMLinkType,GroupName1,GroupNa	/Brainshark Reports/Administration Reports/Data Download/User Bulk Download  <b>Standard Default Parameters:</b> Output = csv, namevalue  <b>Parameters not supported via API:</b> Include_Inactive_Users Include_deleted_users  This report does not support the use of custom filters

## Brainshark Rest Web Services APIs

	me2,GroupName3,GroupName4,GroupName5,GroupName6,GroupName7,GroupName8,GroupName9,GroupName10,GroupName11,GroupName12,GroupName13,GroupName14,GroupName15,GroupName16,GroupName17,GroupName18,GroupName19,GroupName20,SecondaryEmail,ReceiveBrainsharkNewsletter,ReceiveAdminBrainsharkNewsletter,SendWelcomeEmail,DisabledCreatePresentationFromWizard,SSOKey,ReceiveGettingStarted,ReceiveViewingActivitySummary,ReceiveAdminNews,Custom5,Custom6,Custom7,Custom8,Custom9,Custom10,ReceiveViewReceipts,ManagerUsername,UploadPresentations,CreateAnimatedContent,CreateChallenges,HeadCoach,ReportingEnabled,CoachUsername"	
6	<p><b>User Data</b></p> <p>No Parameters Required</p> <p>"Header": "Username,First_Name,Last_Name,Department,Company,E_Mail,IsActive,Admin,Signup_Date,Last_Visit_Date,User_Company,Source,Title,Manager_Name,Phone_Number,Requesting_Author,Guest_Owner,Edit_Guest"</p>	<p>/Brainshark Reports/Administration Reports/Data Download/User Data</p> <p><b>Standard Default Parameters:</b></p> <p>Output = csv,namevalue</p> <p>GroupBy (SortBy) = 0-4 (username,lastname,date Created,last access date,department)</p> <p>0 = Username</p> <p>1 = lastname</p> <p>2 = date Created (Signup_date)</p> <p>3 = Last Access Date (Last_visit_Date)</p> <p>4= Department</p> <p><b>Parameters not supported via API:</b></p> <p>Include_inactive (Include Inactive Users)</p> <p>user_id (User)</p> <p>This report does not support the use of custom filters</p>
7	<p><b>Users</b></p> <p>No Parameters Required</p> <p>"Header": "UserName,FirstName,LastName,E_Mail,IsActive,DateCreated,Company,Department,LastAccess,Title,ManagerUsername,ManagerName,Phone,Address1,Address2,City,State,Country,PostalCode,Custom1,Custom2,Custom3,Custom4,Custom5,Custom6,Custom7,Custom8,Custom9,Custom10,IsDeleted,CoursesEnrolled,CoursesCompleted,CurriculumsEnrolled,CurriculumsCompleted,Company_Name,company_id,NumFoldersAuthorPrivileges,LastCreatedContent,NumCreatedContent,IsLearningAuthor,LastCreatedLearning,NumCreatedLearning,LastDeactivatedByApp,LastDeactivatedByUser"</p>	<p>/Brainshark Reports/Administration Reports/Users</p> <p><b>Standard Default Parameters:</b></p> <p>Output = csv,namevalue</p> <p>GroupBy (Sortby) = 0-8</p> <p>0 = Username</p> <p>1 = Lastname</p> <p>2 = Date Created</p> <p>3 = Last Access Date</p> <p>4= Department</p> <p>5 = Courses Enrolled</p> <p>6 = Courses Completed</p> <p>7 = Curriculums Enrolled</p> <p>8 = Curriculums Completed</p> <p><b>Parameters not supported via API:</b></p> <p>User_id (User)</p> <p>Include_inactive (Include Inactive Users)</p> <p>include_deleted (Include deleted users)</p> <p>This report does not support the use of custom filters</p>
8	<p><b>Users by Folder</b></p> <p>Category_id Parameter Required</p> <p>"Header": "FolderName,Name,AccountStatus,IsDeleted,UserName,Viewer,Author,Administrator"</p>	<p>/Brainshark Reports/Administration Reports/Users by Folder</p> <p><b>Standard Default Parameters:</b></p> <p>Output = csv,namevalue</p> <p>Category_id (Required) = FolderId</p> <p>Recurse Categories</p> <p><b>Parameters not supported via API:</b></p> <p>Include_Inactive_Users</p> <p>Include_deleted_users</p>

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	<p><b>Example:</b> (include Subfolders)</p> <p><a href="https://www.brainshark.com/brainshark/webservices_mobile/report.ashx?sid=6344770&amp;sky=b99add173c3e4dceba0f90235bb26c&amp;uid=2752230&amp;path=%2FBrainshark%20Reports%2FAdministration%20Reports%2FUsers%20by%20Folder&amp;category_id=4146923&amp;recurse_categories=true">https://www.brainshark.com/brainshark/webservices_mobile/report.ashx?sid=6344770&amp;sky=b99add173c3e4dceba0f90235bb26c&amp;uid=2752230&amp;path=%2FBrainshark%20Reports%2FAdministration%20Reports%2FUsers%20by%20Folder&amp;category_id=4146923&amp;recurse_categories=true</a></p>	<p>This report does not support the use of custom filters</p>
9	<p><b>Users by Group</b> No Parameters Required</p> <p>"Header": "GroupName,ChildType,Name,LastName,FirstName,Manager_Name,IsDeleted"</p>	<p>/Brainshark Reports/Administration Reports/Users by Group</p> <p><b>Standard Default Parameters:</b></p> <p>Output = csv,namevalue          GroupBy (Sortby) = 0,1          0 = Username          1= Lastname</p> <p><b>Parameters not supported via API:</b></p> <p>include_inactive_users          Include deleted users          group_id (ShowOnlyGroup)          mode (ExpandSub-Groups)</p> <p>This report does not support the use of custom filters</p>





```
sid: "",
sky: "",
uid: "",
path: "/Brainshark Reports/Learning Reports/Learning Administration Reports/Course Enrollment",
presentation_list: 143219132,
end_date: '7/14/2013'
}
$('#target').html('sending..');
$.ajax({
  url: 'https://www.brainshark.com/brainshark/WebServices_Mobile/session.ashx',
  type: 'POST',
  dataType: 'json',
  success: function(data) {
    var sid = data.Id;
    var sky = data.Key;
    var uid = data.UId;

    report.sid = sid;
    report.sky = sky;
    report.uid = uid;

    $.ajax({
      url: 'https://www.brainshark.com/brainshark/WebServices_Mobile/report.ashx',
      type: 'GET',
      dataType: 'json',
      success: function(data) {
        var reportHTML = data.Header + '\n';
        var loopCounter = 0;

        while (loopCounter < data.Rows.length) {
          var arrData = CSVToArray(data.Rows[loopCounter])
```

```
        if (arrData[38] === "Completed") {  
            reportHTML = reportHTML + data.Rows[loopCounter] + '\n';  
        }  
        loopCounter = loopCounter + 1;  
    }  
    location.href = 'data:application/vnd.ms-excel,' + encodeURIComponent(reportHTML);  
    //$('#target').html(reportHTML);  
},  
data: report  
});  
},  
data: cred  
});  
}
```

It is important to understand how to properly apply custom filters, here are several examples that demonstrate properly structured filters.

### **Used for learning reports to get completed course data for presentation id 327040452**

```
<filter><op n="EQ"><field n="enrollment_status" dt="SelectList" dn="Course Completion Status"/><val>Completed</val></op></filter>&presentation_list=327040452
```

### **Narrow the report down to views that have taken place by a user with an email address of jmoore@brainshark.com.**

```
<filter><op n="EQ"><field n="Viewer_E_Mail" dt="String" dn="ViewerEmail"/><val>jmoore@brainshark.com</val></op></filter>
```

### **Report on courses with no CE Credits**

```
<filter><op n="EQ"><field n="CE_Credits" dt="String" dn="CE Credits"/><val>No</val></op></filter>
```

### **Narrow the course report data down to students with a username of ezolotar or student1 or john**

```
<filter><op n="\OR"><op n="\OR"><op n="EQ"><field n="Student_User_Name" dt="String" /><val>ezolotar</val></op><op n="EQ"><field n="Student_User_Name" dt="String" /><val>student1</val></op></op><op n="EQ"><field n="Student_User_Name" dt="String" /><val>john</val></op></op></filter>
```

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Here is an example C# function that will run the Users Report to get a list of all users in the company:

```
static Object userList(string baseUrl, string sid, string sky, string uid)
{
    var json = new BrainsharkAPIResponse();
    string endPoint = @"http://" + baseUrl +
"/brainshark/webservices_mobile/report.aspx?path=/Brainshark%20Reports/Administration%20Reports/Users";

    StringBuilder requestData = new StringBuilder();
    requestData.Append("&sid=");
    requestData.Append(sid);
    requestData.Append("&sky=");
    requestData.Append(sky);
    requestData.Append("&uid=");
    requestData.Append(uid);

    endPoint += requestData.ToString();

    var client = new RestClient(endPoint,

method:
HttpVerb.GET);

    client.ContentType = "text/json";
    BrainsharkReport thisReport = null;
    BrainsharkAPIError thisError = null;

    try
    {
        json = client.MakeRequest();

        if (json.ErrorCode == "0")
        {
            thisError = new BrainsharkAPIError();
            thisError.StatusCode = json.StatusCode;
            thisError.ErrorCode = json.ErrorCode;
            thisError.Error = json.Error;
            return thisError;
        }
        else
        {
            JavaScriptSerializer jsS = new JavaScriptSerializer();
            thisReport = jsS.Deserialize<BrainsharkReport>(json.Response);
        }
    }

    catch (Exception exBrainsharkReport)
    {
        Console.WriteLine("Unable to run report: " + exBrainsharkReport);
    }
    return thisReport;
}
```

## User Related APIs

The User APIs are designed to create new Brainshark user accounts while setting many of the user demographic fields. The API also provides a means for associating the new user with a Self-registration profile user – for viewing rights and group membership inheritance.

The User API returns the user’s Brainshark ID which may be stored within the calling application’s database for future use. The userid is also used in other APIs to fetch information specific to a particular user.

The user’s password may also be set through the Reset Password API.

### Creating a New Brainshark User

<b>Description</b>	The User API is used to create and manage individual user accounts in Brainshark.		
<b>Method</b>	GET		
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/user.ashx		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	Type	R	Refers to the type of Brainshark user creation being requested. Acceptable values are: 2 (for Brainshark).
	Action	R	Value =1 (for creating a user) Value = 6 (Get User Information) Value = 7 (Set User Information)
	login_dir	R	A unique directory that is given to each Brainshark company, which is typically used to access a company’s Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a> ; in this example “testCompany” would be the login directory).
	firstname	R	First name of the user being created
	lastname	R	Last name of the user being created
	email	R	Email address of the user being created.
			<b>If the username is passed into this call it will be used for the username of the newly created user. Otherwise the email address is used for the username.</b>

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username	O	<b>If the username is passed into this call it will be used for the username of the newly created user. Otherwise the email address is used for the username.</b>
source	O*	A username that pertains to one of the self-registration template users in Brainshark. When populated with an appropriate username from the self-registration template users list, this field will override the default self-registration user template so that a newly registered user is cloned from the specified self-registration template user.
manager_username	O	Value must match an existing Brainshark Username
add	O	Secondary email address for the user being created
city	O	City for the user being created
state	O	State for the user being created
dept	O	Department associated with the user being created
Company_Name	O	The name of the company this user works for.
phone	O	Phone number associated with the user being created
postalcode	O	Postal Code associated with the user's mailing address
title	O	Title of user being created
custom1	O	User defined custom field in user profile
custom2	O	User defined custom field in user profile
custom3	O	User defined custom field in user profile
custom4	O	User defined custom field in user profile
custom5	O	User defined custom field in user profile
custom6	O	User defined custom field in user profile
custom7	O	User defined custom field in user profile

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	custom8	O	User defined custom field in user profile
	custom9	O	User defined custom field in user profile
	custom10	O	User defined custom field in user profile
	sitename	O	Used to name the Brainshark site that user's will be logging in to when they authenticate. This field is used in the initial self-registration email (if the "Send 'Welcome' e-mail to new users' checkbox is checked in the self-registration administration page in Brainshark).
	url	O	Used within the Welcome Email to New Users. The URL directs the New User to the site where they can login to Brainshark.
	uci	O	Unique company identifier; this is used when authenticating a user in Brainshark. This field is paired with the login_dir field to properly identify a user and create a private session.
	sso_key	O	Customers making use of SAML-based SSO can specify the SSO Key associated with this user profile.
	is_active	O	Specify if Is the user active or inactive
	password	O	When this field is populated it sets the user's password. If this field is not populated, then a random password will be generated for the user.
<b>Samples</b>	<a href="http://www.brainshark.com/brainshark/webservices_mobile/user.ashx?type=2&amp;action=1&amp;login_dir=ayoung&amp;lastname=Young&amp;firstname=Donna&amp;email=dy@xyz.com">www.brainshark.com/brainshark/webservices_mobile/user.ashx?type=2&amp;action=1&amp;login_dir=ayoung&amp;lastname=Young&amp;firstname=Donna&amp;email=dy@xyz.com</a>		
<b>Response Example</b>	<pre>{   "Bio": "",   "Id": 2548390,   "Username": "jsmith@xyz.com",   "FullName": "John Smith",   "PhotoUrl": "https://www.brainshark.com/brainshark/images/getauthorphoto.asp?author_id=2548390&amp;sid=329571279&amp;sky=baf5d759e40441378943ed7d8b40d03c&amp;uid=57536",   "Title": "",   "Custom1": "",   "Custom2": "" }</pre>		

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	<pre> "Custom3":""," "Custom4":""," "Custom5":""," "Custom6":""," "Custom7":""," "Custom8":""," "Custom9":""," "Custom10":""," "UCI":"js", "Email":"jsmith@xyz.com", "Phone":""," "PostalCode":""," "City":"Waltham", "State":"MA", "Country":"USA" } </pre>
<b>Error Responses</b>	<pre> { "StatusCode":400, "Error":"Username already exists.", "ErrorCode":"0" } </pre>
<b>Contextual Usage</b>	<p>The objective is to create a new Brainshark user account against the default Self-registration profile.</p> <ul style="list-style-type: none"> <li>• Call the User API with site id, firstname, lastname, email, type and action</li> <li>• React to result</li> </ul>
<b>Fields Returned</b>	<p><b>ID:</b> The user ID. This is a unique identifier.</p> <p><b>Bio:</b> The biography for this user.</p> <p><b>Username:</b> The Brainshark username. This is a unique identifier.</p> <p><b>Full Name:</b> The First name and last name fields concatenated together.</p> <p><b>Photo URL:</b> If the user has uploaded a photo, this is the URL to that photo.</p> <p><b>Title:</b> The user's job title.</p> <p><b>UCI:</b> An optional value that customers can use to specify their own unique identifier.</p> <p><b>City:</b> The City this user resides in.</p> <p><b>State:</b> The State this user resides in.</p> <p><b>Country:</b> The Country this user resides in.</p> <p><b>PostalCode:</b> The postal code specified for this user's address.</p> <p><b>Email:</b> The user's email address.</p> <p><b>Phone:</b> The user's phone number.</p> <p><b>Custom1:</b>An optional field that can be used to store custom information for this user.</p> <p><b>Custom2:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom3:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom4:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom5:</b> An optional field that can be used to store custom information for this user.</p>

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	<p><b>Custom6:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom7:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom8:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom9:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom10:</b> An optional field that can be used to store custom information for this user.</p>
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**Note:**

\* In order to create a user through this web service, the Brainshark company settings need to have Self Registration enabled. Any user profile supplied as the "source" user (i.e. the base user to copy new users from) needs to exist in the self-registration templates.



## Brainshark Rest Web Services APIs

### Get User Information

<b>Description</b>	The User API is used to create and manage individual user accounts in Brainshark.		
<b>Method</b>	GET / POST		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/user.ashx">https://www.brainshark.com/brainshark/webservices_mobile/user.ashx</a>		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation for a Company Administrator. Along with sky, securely identifies the session.
	sky	R	Session key  Derived from the Session Creation for a Company Administrator. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation for a Company Administrator. Identifies the user conducting the Private Session.
	type	R	Refers to the type of Brainshark user creation being requested. Acceptable values are: 2 (for Brainshark).
	action	R	Value = 6 (Get User Information)
	login_dir	R	A unique directory that is given to each Brainshark company, which is typically used in accessing a company's Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a> ; in this example "testCompany" would be the login directory).
	username	R	Brainshark will return user information about this user account
<b>Samples</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/user.ashx?type=2&amp;action=6&amp;login_dir=jmoore&amp;username=jmoore&amp;sid=23920929&amp;sky=290238399sldk&amp;uid=1234">www.brainshark.com/brainshark/webservices_mobile/user.ashx?type=2&amp;action=6&amp;login_dir=jmoore&amp;username=jmoore&amp;sid=23920929&amp;sky=290238399sldk&amp;uid=1234</a>		
<b>Response Example</b>	{ "Bio": "",		

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	<pre> {   "Id":2548390,   "Username":"jsmith@xyz.com",   "FullName":"John Smith",   "PhotoUrl":"https://www.brainshark.com/brainshark/images/getauthorphoto.asp?author_id=2548390&amp;sid=329571279&amp;sky=baf5d759e40441378943ed7d8b40d03c&amp;uid=57536",   "Title": "",   "Custom1": "",   "Custom2": "",   "Custom3": "",   "Custom4": "",   "Custom5": "",   "Custom6": "",   "Custom7": "",   "Custom8": "",   "Custom9": "",   "Custom10": "",   "UCI": "js",   "SSOKey": "js",   "isActive": "js",   "Email": "jsmith@xyz.com",   "Phone": "",   "CompanyName": "js",   "PostalCode": "",   "Address1": "",   "Address2": "",   "City": "Waltham",   "State": "MA",   "Country": "USA" } </pre>
<p><b>Fields Returned</b></p>	<p><b>ID:</b> The user ID. This is a unique identifier.</p> <p><b>Bio:</b> The biography for this user.</p> <p><b>Username:</b> The Brainshark username. This is a unique identifier.</p> <p><b>Full Name:</b> The First name and last name fields concatenated together.</p> <p><b>Photo URL:</b> If the user has uploaded a photo, this is the URL to that photo.</p> <p><b>Title:</b> The user's job title.</p> <p><b>UCI:</b> An optional value that customers can use to specify their own unique identifier.</p> <p><b>SSOKey:</b> The SSO key for this user profile (applies to companies that are making use of SAML-based SSO)..</p> <p><b>isActive:</b> True if the user account is active and false if inactive..</p> <p><b>City:</b> The City this user resides in.</p> <p><b>State:</b> The State this user resides in.</p> <p><b>Country:</b> The Country this user resides in.</p> <p><b>CompanyName:</b> The company this person is employed at.</p> <p><b>PostalCode:</b> The postal code specified for this user's addressed.</p> <p><b>Email:</b> The user's email address.</p> <p><b>Phone:</b> The user's phone number.</p> <p><b>Custom1:</b>An optional field that can be used to store custom information for this user.</p> <p><b>Custom2:</b> An optional field that can be used to store custom information for this user.</p>

## Brainshark Rest Web Services APIs

	<p><b>Custom3:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom4:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom5:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom6:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom7:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom8:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom9:</b> An optional field that can be used to store custom information for this user.</p> <p><b>Custom10:</b> An optional field that can be used to store custom information for this user.</p>
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### **Set User Information**

<b>Description</b>	The User API is used to create and manage individual user accounts in Brainshark.		
<b>Method</b>	POST		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/user.ashx">https://www.brainshark.com/brainshark/webservices_mobile/user.ashx</a>		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation for a Company Administrator. Along with sky, securely identifies the session.
	sky	R	Session key  Derived from the Session Creation for a Company Administrator. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation for a Company Administrator. Identifies the user conducting the Private Session.
	type	R	Refers to the type of Brainshark user creation being requested. Acceptable values are: 2 (for Brainshark).
	action	R	Value = 7 (Set User Information)
	login_dir	R	A unique directory that is given to each Brainshark company,

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		which is typically used in accessing a company's Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a> ; in this example "testCompany" would be the login directory).
	Is_active	O Set the user to "True" or "False" to set the user as active or inactive respectfully.
	username	R Brainshark will return user information about this user account
	firstname	O Modified value of First Name
	lastname	O Modified value of Last Name
	email	O Modified value of Email Address
	manager_username	O Value must match an existing Brainshark Username
	city	O Modified value of City
	state	O Modified value of State
	country	O Modified value of Country
	dept	O Modified value of Department
	Company_Name	O The name of the company this user is employed at.
	phone	O Modified value of Phone
	postalcode	O Modified value of Postal Code
	title	O Modified value of Title
	custom1 – custom10	O Modified value of Custom 1-10
	UCI	O Modify the UCI value for this user.
	SSOKey	O For those customers using SSO this provides a mechanism for setting the SSOKey.
	newusername	O Modify the username of the user identified in the username parameter
<b>Samples</b>	www.brainshark.com/brainshark/webservices_mobile/user.ashx?type=2&action=7&login_dir=ayoung&username=xyz&lastname=Smith	
<b>Response Example</b>	<pre>{   "Bio": "",   "Id": 2548390,   "Username": "jsmith@xyz.com",   "FullName": "John Smith",   "PhotoUrl": "https://www.brainshark.com/brainshark/images/getauthorphoto.asp?author_id=2548390&amp;sid=329571279&amp;sky=baf5d759e40441378943ed7d8b40d03c&amp;uid=57536",   "Title": "",   "Custom1": "",   "Custom2": "",   "Custom3": "" }</pre>	

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```
"Custom4":"","  
"Custom5":"","  
"Custom6":"","  
"Custom7":"","  
"Custom8":"","  
"Custom9":"","  
"Custom10":"","  
"UCI":"js",  
"Email":"jsmith@xyz.com",  
"Phone":"","  
"PostalCode":"","  
"City":"Waltham",  
"State":"MA",  
"Country":"USA"  
}
```

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## Brainshark Rest Web Services APIs

### Reset Brainshark User Password

<b>Description</b>	This resource allows for the resetting of a Brainshark user's password		
<b>Method</b>	POST		
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/user.ashx		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	type	R	Refers to the type of Brainshark user creation being requested. Acceptable values are: 1 (for SlideShark) or 2 (for Brainshark).
	action	R	Value = 2 (for resetting a user's password)
	login_dir	R	A unique directory that is given to each Brainshark company, which is typically used in accessing a company's Brainshark login page (e.g. <a href="http://www.brainshark.com/testCompany">www.brainshark.com/testCompany</a> ; in this example "testCompany" would be the login directory).
	username	R	Username associated with account to be modified
	old_password	R	The current password for the Brainshark user account
	password	R	The new password for the user account
	token	O	Temporary key used to validate the user
<b>Samples</b>	https://www.brainshark.com/brainshark/webservices_mobile/user.ashx  Parameters: type=2&action=2&login_dir=ayoung&username=iyoung&old_password=passwo rd1&password=test		
<b>Error Responses</b>	When incorrect old_password is used: { "StatusCode":400, "Error": "Incorrect password. Please choose another password", "ErrorCode": "0" }  When incorrect username is used: { "StatusCode":500, "Error": "Error processing user request. User is invalid or does not belong to this company.", "ErrorCode": "0" }		

## Brainshark Rest Web Services APIs

<b>Contextual Usage</b>	<p>The objective is to create a new Brainshark user account against the default Self-registration profile.</p> <ul style="list-style-type: none"><li>• Open a Private Session</li><li>• Call the User API with appropriate action and type, username and old and new passwords</li><li>• React to result</li></ul>
-------------------------	--

### Presentation Related APIs

It's often important to retrieve information regarding the presentations associated with a folder or specific to a user's viewing permission. The Presentation set of APIs allows the application to interrogate the folder / presentation structure and retrieve detailed information about the content within the site.

Specific searches may be conducted using tags and topics to narrow the list of returned presentations.

### Folder

<b>Description</b>	Retrieve a list of folders within the specified Brainshark site meeting the options set in the call		
<b>Method</b>	GET		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/folder.ashx">https://www.brainshark.com/brainshark/webservices_mobile/folder.ashx</a>		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.

## Brainshark Rest Web Services APIs

	includeNetworkFolders	O	Values (true, false)  Indicate whether to include the site's Network folders in the returned list.
	mobileonly	O	Values (true, false)  Indicate if only mobile-ready presentations should be included in the folder presentation count
	includePresCountZero	O	Values (true, false)  Indicate if folders with no presentations should be included in the returned list
	login_dir	O	Value (name of Brainshark site)  Used only in Public Session
	Public_only	O	(optional) – Values (1,0) Indicate if only public presentations should be included in the folder presentation count

### Samples

[www.brainshark.com/brainshark/webservices\\_mobile/folder.aspx?sid=319703615&sky=01f7a6c08ba142ddb8adcb3678d9c89c&uid=57536](http://www.brainshark.com/brainshark/webservices_mobile/folder.aspx?sid=319703615&sky=01f7a6c08ba142ddb8adcb3678d9c89c&uid=57536)

### Response Example

```
"ID":221385,
"Description":"Testing", "NumberOfPresentations":21
```

### Response Example Error Reponses

```
<title>401 - Unauthorized: Access is denied due to invalid credentials.</title>
```

This applies to both incorrectly presented sid, sky, uid or when the session has expired

### Contextual Usage

The objective is to determine what folders are present in the selected Brainshark site and how many presentations are contained in each folder:

1. Open a Private Session
2. Call the Folder API with the sid, sky, uid returned from the Session API

Analyze the folder results



## Presentation

<b>Description</b>	Retrieve a complete set of data related to the presentation specified		
<b>Method</b>	GET		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/presentation.ashx">https://www.brainshark.com/brainshark/webservices_mobile/presentation.ashx</a>		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	Userid  Derived from the Session Creation. Identifies the user conducting the Private Session.
	folderid	O	Show only the presentations within the specified folder. The folder id may be derived from the FOLDER API.
	sortby	O	Optional values are: title, desc (description), id, author
	sortdir	O	Sort direction. Values are a=ascending, d=descending
	offset	O	The course sequence number (in the returned list) where the display of results begins
	perpage	O	Numeric value. Default=10
	authorid	O	Used to limit the presentation list to only a specific author. Userid of the author.

Brainshark Rest Web Services APIs

	pid	0	List of presentation ids. May be comma-separated list or may be individual pid. PID may be numeric or z-encoded.  When no PIDs are presented, all presentations authored by the logged in user are shown.
--	-----	---	---

## Brainshark Rest Web Services APIs

	<table border="1"> <tr> <td>tagid</td> <td>O</td> <td>Return only those presentations containing the tag specified. Use the TAG API to retrieve the tagid.</td> </tr> <tr> <td>topicid</td> <td>O</td> <td>Return only those presentations containing the topic specified. Use the TOPIC API to retrieve the topicid.</td> </tr> <tr> <td>mobile</td> <td>O</td> <td>mobile=1 will return presentations marked for mobile distribution</td> </tr> <tr> <td>login_dir</td> <td>O</td> <td>Used for public sessions, this is the company directory name</td> </tr> <tr> <td>public_only</td> <td>O</td> <td>public_only=1 returns only public presentations</td> </tr> <tr> <td>Q</td> <td>O</td> <td>Query presentations for the presence of the text value supplied</td> </tr> <tr> <td>Q</td> <td>O</td> <td>Query presentations for the presence of the text value supplied</td> </tr> <tr> <td>Q</td> <td>O</td> <td>Query presentations for the presence of the text value supplied</td> </tr> </table>	tagid	O	Return only those presentations containing the tag specified. Use the TAG API to retrieve the tagid.	topicid	O	Return only those presentations containing the topic specified. Use the TOPIC API to retrieve the topicid.	mobile	O	mobile=1 will return presentations marked for mobile distribution	login_dir	O	Used for public sessions, this is the company directory name	public_only	O	public_only=1 returns only public presentations	Q	O	Query presentations for the presence of the text value supplied	Q	O	Query presentations for the presence of the text value supplied	Q	O	Query presentations for the presence of the text value supplied
tagid	O	Return only those presentations containing the tag specified. Use the TAG API to retrieve the tagid.																							
topicid	O	Return only those presentations containing the topic specified. Use the TOPIC API to retrieve the topicid.																							
mobile	O	mobile=1 will return presentations marked for mobile distribution																							
login_dir	O	Used for public sessions, this is the company directory name																							
public_only	O	public_only=1 returns only public presentations																							
Q	O	Query presentations for the presence of the text value supplied																							
Q	O	Query presentations for the presence of the text value supplied																							
Q	O	Query presentations for the presence of the text value supplied																							
<b>Samples</b>	www.brainshark.com/brainshark/webservices_mobile/presentation.ashx?sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536&pid=131724																								
<b>Response Example</b>	<b>See response section below</b>																								
<b>Error Responses</b>	<p>401 - Unauthorized: Access is denied due to invalid credentials.&lt;/title&gt;</p> <p>This applies to both incorrectly presented sid, sky, uid or when the session has expired</p>																								
<b>Contextual Usage</b>	<ul style="list-style-type: none"> <li>•</li> </ul>																								

### **NOTE:**

Attachments will only show up in the response from this REST web service if the “Show link on attachments tab” checkbox has been checked off for that particular attachment under the Attachment tab in Edit Presentation. Presentations will be hidden from this search if the “Hide content from search” checkbox has been selected on a presentation.

As a reminder, Brainshark dates are returned as minutes since January 1<sup>st</sup>, 1970. See Appendix A for example code demonstrating how to work with these dates.

NOTE: Add note and example for: For public sessions you need to ensure that the folder is marked for public use (which means turning on the public content portal), setting the bit, then you can turn off if wanted, and the content needs to be public.

You then need to add widgets=1 to get results, see below.

[https://beta.brainshark.com/brainshark/webservices\\_mobile/presentation.ashx?sid=106044964&sky=e093014dc6b642058fdefb6d207afb79&uid=0&login\\_dir=canadalifeuk&widgets=1](https://beta.brainshark.com/brainshark/webservices_mobile/presentation.ashx?sid=106044964&sky=e093014dc6b642058fdefb6d207afb79&uid=0&login_dir=canadalifeuk&widgets=1)

### Response Example

```
[
{
  "Item":{
    "AllowShare":true,
    "AllTimeViews":8,
    "Attachments":[
    ],
    "AverateRating":0,
    "Author":{
      "Bio":"","
      "Id":57536,
      "Username":"ayoung",
      "FullName":"Arnold Young",
      "PhotoUrl":"https://www.brainshark.com/brainshark/brainshark.net/appresentation/GetBGImage.aspx?imgtype=2&compid=9022&iid=550&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
      "Title":"Professional Services Manager"
    },
    "Categories":[
    ],
    "Comments":[
    ],
    "Company":{
      "CompanyLogoUrl":"https://www.brainshark.com/brainshark/images/getcompanylogo.asp?company_id=9022",
      "EnhancedMobileTracking":true,
      "EnhancedMobileQuestions":true,
      "Id":9022,
      "LoginDirectory":"ayoung",
      "Name":"Ayoung - Brainshark"
    },
    "CompletionCriteria":{
      "AudioPercentRequired":0,
      "ScorePercentRequired":0,
      "SlidePercentRequired":0,
      "DisplayCompletionIndicator":false,
      "LinkToCompletionResults":false,
      "IncludeOptionToPrintCertificate":false,
      "CompletionBranchType":0,
      "CompletionBranchPresentationId":0,
      "CompletionBranchUrl":"","
      "CompletionBranchIncludeOptionToPrintCertificate":false
    },
    "CreatedDate":1131479797,
    "Description":"","
    "DisplayAuthorInfo":true,
    "Duration":90,
```

```

"FolderId":196627,
"Guestbook":{
  "Fields":[
  ]
},
"Id":131724,
"IsActive":true,
"IsDeleted":false,
"IsExpired":false,
"IsCompanyHighlight":false,
"MobileUrl": "",
"AllowMobile":false,
"ModifiedDate":1288101105,
"NumberOfSlides":9,
"RequiresGuestbook":false,
"RequiresPassword":false,
"ShareUrl":"https://www.brainshark.com/ayoung/vu?pi=zCUzZOPzFSDz0",
"ShareSubject":"'Atomic Clock' by Arnold Young",
"ShareMessage":"'Atomic Clock\nhttps://www.brainshark.com/ayoung/vu?pi=zCUzZOPzFSDz0",
"Slides":[
{
  "AnimationTimings":"","",
  "ChapterTitle":"","",
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507017,
  "MobileDuration":10,
  "MobileUrl": "",
  "Notes":"Welcome to this training session! As a customer service representative, we want you to have the information you need to effectively communicate with our customers. Today's session is on the SkyScan Atomic Clock.\r\n\r\nEstimated Time: 13 seconds",
  "Number":1,
  "QuestionId":-1,
  "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=1&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
  "Title":"New Product Training",
  "Shapes":null,
  "SlideTransition":null
},
{
  "AnimationTimings":"","",
  "ChapterTitle":"","",
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507018,
  "MobileDuration":10,
  "MobileUrl": "",
  "Notes":"The main goal of this lesson to help you quickly get up to speed on the feature sets of this new product and most importantly how to watch for cues given by customers that lead to sales opportunities. Here are the main objectives for today's session.\r\n\r\nEstimated Time: 13 seconds\r\n",
  "Number":2,
  "QuestionId":-1,
  "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=2&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
  "Title":"Objectives",
  "Shapes":null,

```

```

"SlideTransition":null
},
{
  "AnimationTimings":"","
  "ChapterTitle":"","
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507019,
  "MobileDuration":10,
  "MobileUrl":"","
  "Notes":"This Atomic Clock is different that any other clock. You don't ever have to wind it or continually adjust the time. You just put it on the wall and the clock literally sets itself and continues resetting itself month after month and year after year.\r\n\r\nEstimated Time: 13 seconds\r\n",
  "Number":3,
  "QuestionId":-1,
  "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=3&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
  "Title":"What is it?",
  "Shapes":null,
  "SlideTransition":null
},
{
  "AnimationTimings":"","
  "ChapterTitle":"","
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507020,
  "MobileDuration":10,
  "MobileUrl":"","
  "Notes":"Let's spend just a moment and review the main feature sets of this clock:\r\n\r\n1. As advertised, the clock sets itself automatically from the central U.S. Atomic Clock operated by N.I.S.T. (National Institute of Standards and Technology)\r\n\r\n2. The SkyScan Atomic clock adjusts to within fractions of a second at regular intervals throughout the day.\r\n\r\n3. Each October and April, the click automatically adjusts itself for Daylight Savings Time\r\n\r\n4. The clock even provides the temperature using a built-in Thermometer for outdoor or indoor temperatures\r\n\r\nEstimated Time: 35 seconds\r\n",
  "Number":4,
  "QuestionId":-1,
  "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=4&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
  "Title":"Main Features – Selling Points",
  "Shapes":null,
  "SlideTransition":null
},
{
  "AnimationTimings":"","
  "ChapterTitle":"","
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507021,
  "MobileDuration":10,
  "MobileUrl":"","
  "Notes":"You might be wondering how the clock sets itself. This is good information to share with a customer. \r\n\r\nA group called the National Institute of Standards and Technology runs the U.S. government's central Atomic Clock, located in Fort Collins Colorado. This is one of the most accurate clocks in the world, keeping time accurate to 1 billionth of a second. Many major organizations such as the airlines, government agencies, television stations, and more; set their clocks from this central system.\r\n\r\nA constant signal is beamed throughout the United States. Up until now, organizations

```

needed sophisticated equipment to covert the signal to automatically set clocks throughout the organization.\r\n\r\n The SkyScan Atomic clock is a consumer product that knows how to receive the signal and continually update itself to the central Atomic Clock. This is why your customers will literally never have to set the clock. It sets itself. This is one of the most important selling features of the SkyScan Atomic Clock.\r\n\r\nEstimated Time: 56 seconds\r\n",

```
"Number":5,
"QuestionId":-1,
"ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=5&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
"Title":"How does it work?",
"Shapes":null,
"SlideTransition":null
},
{
  "AnimationTimings":"","
  "ChapterTitle":"","
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507022,
  "MobileDuration":10,
  "MobileUrl":"","
  "Notes":"The clock is very easy to set up and maintain. Although the display is fairly self explanatory, we'd like you to take a moment to become familiar with the clocks readings.\r\n\r\nTime is displayed in large digital characters, easy to see from anywhere in the room, showing minute and second.\r\n\r\n The date is shown by month and day, even displaying the day of the week\r\n\r\n If the clock is hung indoors, it will immediately show room temperature. However, the kit also has a remote thermometer with 150 feet of cable so that the thermometer can literally be placed anywhere the customer would like.\r\n\r\n4. The Radio Signal Status Indicator blinks when the clock tunes itself to the central atomic clock signal.\r\n\r\nEstimated Time: 40 seconds\r\n",
  "Number":6,
  "QuestionId":-1,
  "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=6&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
  "Title":"Display Characteristics",
  "Shapes":null,
  "SlideTransition":null
},
{
  "AnimationTimings":"","
  "ChapterTitle":"","
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507023,
  "MobileDuration":10,
  "MobileUrl":"","
  "Notes":"In most cases, customers don't need to even use the clocks controls, but it is still a good idea to become familiar with them.\r\n\r\nThe clock has manual overrides for setting the time and date if needed.\r\n\r\n This control can be used to switch from 12 hour mode to 24 hour mode if necessary. The 24 hour clock is often used by government agencies and is frequently used overseas.\r\n\r\n The mode selector is used when manually setting the date or time. Normally it will remain in the locked position because the clock sets itself.\r\n\r\n One thing the customer will most likely want to set is the Time Zone selector. They simply set it to their own time zone and a few seconds later the clock sets itself for their time zone.\r\n\r\n You should be aware that there are a few locations around the United States where the practice of Daylight Savings time is not observed, such as Arizona, Hawaii, and parts of Indiana. The clock has a switch allowing customers to disable the automatic switch to Daylight Savings Time if they happen to live in these areas.\r\n\r\nEstimated Time: 58 seconds\r\n",
  "Number":7,
  "QuestionId":-1,
```

```
"ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=7&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
"Title":"Controls",
"Shapes":null,
"SlideTransition":null
},
{
  "AnimationTimings":"","
  "ChapterTitle":"","
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507024,
  "MobileDuration":10,
  "MobileUrl":"","
  "Notes":"Because of its unique characteristics, customers are naturally interested in the Atomic Clock. However, it doesn't hurt to watch for the best sales opportunities. Here are a few:\r\n\r\nAround October and April, watch for opportunities to mention the fact that the clock automatically adjusts itself with the Daylight Savings Time switchover.\r\n\r\nThrough our customer surveys we've found that this clock is of special interest to those who enjoy high tech gadgets, so watch for cross selling opportunities\r\n\r\nFinally, a simple demonstration is one of the best selling techniques. The process is simple... first, manually set the clock to another time, then push the button on the bottom of the clock, wait a few seconds and the clock will tune into the signal from the U.S. Atomic clock and set itself to the correct time. This demonstration takes less than a few minutes and is well worth the effort.\r\n\r\nEstimated Time: 44 seconds\r\n",
  "Number":8,
  "QuestionId":-1,
  "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=8&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
  "Title":"Untitled",
  "Shapes":null,
  "SlideTransition":null
},
{
  "AnimationTimings":"","
  "ChapterTitle":"","
  "Duration":10,
  "FirstAnimationTimed":false,
  "Id":2507025,
  "MobileDuration":10,
  "MobileUrl":"","
  "Notes":"Thanks for joining us for this product knowledge workshop.\r\n\r\nEstimated Time: 4 seconds\r\n",
  "Number":9,
  "QuestionId":-1,
  "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&w=152&h=114&slide_version=36&pcp=home&lock=False&sln=9&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
  "Title":"You're now well equipped to talk to customers about the Atomic Clock",
  "Shapes":null,
  "SlideTransition":null
}
],
"Tags":[
],
"ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=131724&sln=1&w=152&h=114&slide_version=36&pcp=home&lock=False&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",
"Title":"Atomic Clock",
"Topics":[
```



```
],  
  "ViewingUrl": "https://www.brainshark.com/brainshark/vu/view.asp?pi=131724&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",  
  "PersonalizeUrl": "https://www.brainshark.com//brainshark/brainshark.net/author/PersonalizePresentation.aspx?srcpid=131724&sid=324423550&sky=a3bb159be45f431b8be9bae4a03a45ba&uid=57536",  
  "ViewingPrice": 0,  
  "DeviceCanHideSlides": true,  
  "DeviceCanReOrderSlides": true,  
  "LastViewedDate": 1288101795,  
  "PresentationVersion": 36  
},  
  "Id": 131724
```

## Upload Presentation

<b>Description</b>	Upload a Powerpoint or Video to the specified folder for the author that maps to the session created (sid, sky, and uid). The presentation Title is specified.		
<b>Method</b>	GET		
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/presentation.ashx		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.
	Folder_id	R	Id of the folder to house the uploaded presentation
	Title	R	Title of uploaded presentation
	Uploadtype	R	<u>Value = video</u>
<b>Samples</b>	<p>www.brainshark.com/brainshark/webservices_mobile/presentation.ashx?sid=324423550&amp;sky=a3bb159be45f431b8be9bae4a03a45ba&amp;uid=57536&amp;uploadtype=video&amp;title=TestPresentation&amp;folder_id=89765</p> <p>SAMPLE CODE:</p> <pre>&lt;!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"&gt; &lt;html xmlns="http://www.w3.org/1999/xhtml" &gt; &lt;head&gt;   &lt;title&gt;Upload to Brainshark&lt;/title&gt;   &lt;script src="http://code.jquery.com/jquery-1.9.1.js"&gt;&lt;/script&gt; &lt;script language=javascript&gt; function send() {   var cred = {     username: "username",</pre>		

```
password: "password",
login_dir: "site"
}

$('#target').html('sending..');

$.ajax({
  url:
'http://beta.brainshark.com/brainshark/WebServices_Mobile/session.as
hx',
  type: 'POST',
  dataType: 'json',
  success: function (data) {
    var sid = data.Id;
    var sky = data.Key;
    var uid = data.UId;

    document.getElementById("sid").value = sid;
    document.getElementById("sky").value = sky;
    document.getElementById("uid").value = uid;
    document.getElementById("frmUpload").submit();

    var destUrl =
'http://beta.brainshark.com/brainshark/brainshark.net/author/home.as
px';
    destUrl += '?sid=' + sid + '&sky=' + sky + '&uid=' + uid;

    setTimeout("window.location.href=destUrl", 5000000);

    $('#target').html('Uploading.... Converting ....Thinking about
stuff...');
    return true;
  },
  data: cred
});
}
</script>

</head>
<body>

<h3>Upload a PowerPoint presentation to Brainshark</h3>

<div id="target" ></div>
```

	<pre>&lt;form method="post" enctype="multipart/form-data" name="frmUpload" id="frmUpload" action="http://beta.brainshark.com/brainshark/WebServices_Mobile/pr esentation.ashx?uploadtype=video"&gt; &lt;input type="file" id="pptToUpload" name="pptToUpload" /&gt; &lt;input type="hidden" name="sid" id="sid" value="" /&gt; &lt;input type="hidden" name="sky" id="sky" value="" /&gt; &lt;input type="hidden" name="uid" id="uid" value="" /&gt; &lt;input type="hidden" name="title" id="title" value="John testing" /&gt; &lt;br /&gt; &lt;input type="button" onclick="javascript:send();" value="Submit" /&gt; &lt;/form&gt;  &lt;/body&gt; &lt;/html&gt;</pre>
<b>Contextual Usage</b>	<ul style="list-style-type: none"><li>• Open a Private Session</li><li>• Call Presentation API with the sid, sky, uid returned from the Session API</li><li>• Provide reference to file containing content</li></ul>

**Password**

<b>Description</b>	Verify the presentation password set by the author																		
<b>Method</b>	POST																		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/password.ashx">https://www.brainshark.com/brainshark/webservices_mobile/password.ashx</a>																		
<b>Parameters</b>	<table border="1"> <thead> <tr> <th>Name</th> <th>Required / Optional</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>sid</td> <td>R</td> <td>Session id  Derived from Session Creation. Along with sky, securely identifies the session</td> </tr> <tr> <td>sky</td> <td>R</td> <td>Session key  Derived from the Session Creation. Along with sid, securely identifies the session</td> </tr> <tr> <td>uid</td> <td>R</td> <td>UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.</td> </tr> <tr> <td>pid</td> <td>R</td> <td>Presentation ID for presentation being queried</td> </tr> <tr> <td>pwd</td> <td>R</td> <td>The value of the presentation password to be confirmed</td> </tr> </tbody> </table>	Name	Required / Optional	Description	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.	pid	R	Presentation ID for presentation being queried	pwd	R	The value of the presentation password to be confirmed
Name	Required / Optional	Description																	
sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session																	
sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session																	
uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.																	
pid	R	Presentation ID for presentation being queried																	
pwd	R	The value of the presentation password to be confirmed																	
<b>Samples</b>	<a href="http://www.brainshark.com/brainshark/webservices_mobile/password.ashx">www.brainshark.com/brainshark/webservices_mobile/password.ashx</a>  Parameters: ?sid=326980938 &sky=ca8e591928484128a0583ca2ac0836cc &uid=57536 &pid=131724 &pwd=password123																		
<b>Response Example</b>	<b>Validation successful</b> <pre>{   "Success":true }</pre>																		
<b>Error Responses</b>	<b>Validation unsuccessful</b> <pre>{   "Success":false }</pre>																		

<b>Contextual Usage</b>	<p>The objective is to determine what folders are present in the selected Brainshark site and how many presentations are contained in each folder:</p> <ul style="list-style-type: none"><li>• Open a Private Session</li><li>• Call the Folder API with the sid, sky, uid</li><li>• Call the Presentation API to retrieve the PID</li><li>• Call the Password API with PID and known password to validate</li></ul>
-------------------------	--

## Tags

<b>Description</b>	Retrieve a list of presentation tags for the site		
<b>Method</b>	GET		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/tags.ashx">https://www.brainshark.com/brainshark/webservices_mobile/tags.ashx</a>		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.
	sortby	O	Optional values
	sortdir	O	Sort direction. Values are a=ascending, d=descending
	tag_type	O	Values (predefined, userdefined, both) Default is Prefined. We recommend using "both"
	login_dir	O	Used for public sessions to define the company site name
	max	O	Maximum number of tags to return in response
	public_only	O	Values (1,0). Report tags for public presentations only
<b>Samples</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/tags.ashx?sid=326980938&amp;sky=ca8e591928484128a0583ca2ac0836cc&amp;uid=57536">www.brainshark.com/brainshark/webservices_mobile/tags.ashx?sid=326980938&amp;sky=ca8e591928484128a0583ca2ac0836cc&amp;uid=57536</a>		
<b>Response Example</b>			
<b>Error Reponses</b>			
<b>Coneextual Usage</b>	<p>The objective is to determine the tag id so that it may be used in other APIs:</p> <ul style="list-style-type: none"> <li>• Create a Private Session</li> <li>• Call the TAGS API</li> <li>• Retrieve the Tag id for future use</li> </ul>		

## Topics

<b>Description</b>	Retrieve a list of presentation topics for the site		
<b>Method</b>	GET		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/topic.ashx">https://www.brainshark.com/brainshark/webservices_mobile/topic.ashx</a>		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.
	includenetworktopics	O	Value (true, false)
	mobileonly	O	Value (true, false). Include topics for mobile presentations only
	includeprescountzero	O	Value (true, false). Include topics not used in any presentation
	sortby	O	Optional values
	sortdir	O	Sort direction. Values are a=ascending, d=descending
	tag_type	O	Values (predefined, userdefined, both) Default is Prefined. We recommend using "both"
	login_dir	O	Used for public sessions to define the company site name
	public_only	O	Values (1,0). Report tags for public presentations only
	Q	O	Query for the presence of the text value supplied
	<b>Samples</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/topic.ashx?sid=326980938&amp;sky=ca8e591928484128a0583ca2ac0836cc&amp;uid=57536">www.brainshark.com/brainshark/webservices_mobile/topic.ashx?sid=326980938&amp;sky=ca8e591928484128a0583ca2ac0836cc&amp;uid=57536</a>	
	{		



Brainshark Rest Web Services APIs

<b>Response Example</b>	<pre>"Topics":[ {   "ID":130563,</pre>
-------------------------	--

	<pre>"Description":"Marketing", "NumberOfPresentations":4 }, { "ID":141859, "Description":"Product Category: Archiving", "NumberOfPresentations":1 }, { "ID":141861, "Description":"Product Category: Enterprise Content Management", "NumberOfPresentations":1 } ] }</pre>
<b>Error Responses</b>	<p><b>Invalid Session</b></p> <p>401 - Unauthorized: Access is denied due to invalid credentials.</p>
<b>Contextual Usage</b>	<p>The objective is to determine the Topic id so that it may be used in other APIs:</p> <ul style="list-style-type: none"><li>• Create a Private Session</li><li>• Call the TOPIC API</li><li>• Retrieve the Topic id for future use</li></ul>

## Learning Related APIs

Similar to the Presentation APIs, the Learning APIs not only allows for course and curriculum information but adds the ability to enroll students into courses.

### Course

<b>Description</b>	Retrieve course details		
<b>Method</b>	GET		
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/course.ashx">https://www.brainshark.com/brainshark/webservices_mobile/course.ashx</a>		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.
	cid	O	A comma-separated list of course ids. If no cids are provided, the list is for the author specified in the uid.
	sortby	O	Optional values are: title, desc (description), id, author
	sortdir	O	Sort direction. Values are a=ascending, d=descending
	offset	O	The course sequence number (in the returned list) where the display of results begins
	perpage	O	Numeric value. Default=10
	Q	O	Query for the presence of the text value supplied
<b>Sample</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/course.ashx?sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536">www.brainshark.com/brainshark/webservices_mobile/course.ashx?sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536</a>		

Brainshark Rest Web Services APIs

<b>Response Example</b>	Partial Result when requested without CID value: { "AuthorFullName": "Young, Arnold", "ContentType": "Brainshark", >Description": ""
-------------------------	--

```
"Duration":284,  
"EnrollmentType":2,  
"ExpirationDate":0,  
"Id":1029,  
"NumberOfSlides":19,  
"PassingScore":0,  
"RequiredAudioPercentage":0,  
"RequiredSlidePercentage":10,  
"Title":"4 Keys to Killer Web Media",  
"Topic":"Marketing",  
"ViewingUrl":"https://www.brainshark.com/brainshark/vu/view.asp?pi=13039  
9&sid=325965009&sky=e11d5a92fe894c569e2af5b5d85d0078&uid=57536",  
"EnrollmentExpirationOffset":0,  
"EnrollmentExpirationOffsetUnits":null  
},
```

When requested with CID value of a coursed:

```
[  
{  
"Item":{  
"CertificationExpirationDateType":0,  
"CertificationExpirationAbsoluteDate":0,  
"CertificationExpirationRelativeDateOffset":0,  
"CertificationExpirationSendInvitation":false,  
"CertificationExpirationTargetCourseId":0,  
"CertificationExpirationTargetCurriculumId":0,  
"ContentType":"Brainshark",  
"Description":"","  
"EnrollmentType":2,  
"Id":14399,  
"Presentation":{  
"AllowShare":true,  
"AllTimeViews":3,  
"Attachments":[  
],  
"AverateRating":0,  
"Author":{  
"Bio":"","  
"Id":57536,  
"Username":"ayoung",  
"FullName":"Arnold Young",  
"PhotoUrl":"https://www.brainshark.com/brainshark/brainshark.net/appprese  
ntation/GetBGImage.aspx?imgtype=2&compid=9022&iid=550&sid=325965009  
&sky=e11d5a92fe894c569e2af5b5d85d0078&uid=57536",  
"Title":"Professional Services Manager"  
},  
"Categories":[  
],  
"Comments":[  
],  
"Company":{
```

```
"CompanyLogoUrl": "https://www.brainshark.com/brainshark/images/getcompanylogo.asp?company_id=9022",
"EnhancedMobileTracking": true,
"EnhancedMobileQuestions": true,
"Id": 9022,
"LoginDirectory": "ayoung",
"Name": "Ayoung - Brainshark"
},
"CompletionCriteria": {
  "AudioPercentRequired": 0,
  "ScorePercentRequired": 100,
  "SlidePercentRequired": 100,
  "DisplayCompletionIndicator": true,
  "LinkToCompletionResults": true,
  "IncludeOptionToPrintCertificate": true,
  "CompletionBranchType": 0,
  "CompletionBranchPresentationId": 0,
  "CompletionBranchUrl": "",
  "CompletionBranchIncludeOptionToPrintCertificate": true
},
"CreateDate": 1271705353,
"Description": "",
"DisplayAuthorInfo": true,
"Duration": 30,
"FolderId": 268724,
"Guestbook": {
  "Fields": [
  ]
},
"Id": 823814237,
"IsActive": true,
"IsDeleted": false,
"IsExpired": false,
"MobileUrl": "",
"AllowMobile": false,
"ModifiedDate": 1361304696,
"NumberOfSlides": 3,
"RequiresGuestbook": false,
"RequiresPassword": false,
"ShareUrl": "https://www.brainshark.com/ayoung/vu?pi=zGLzxUQuQzFSDz0",
"ShareSubject": "Final Exam' by Arnold Young",
"ShareMessage": "Final Exam\nhttps://www.brainshark.com/ayoung/vu?pi=zGLzxUQuQzFSDz0",
"Slides": [
  {
    "AnimationTimings": "",
    "ChapterTitle": "",
    "Duration": 10,
    "FirstAnimationTimed": false,
    "Id": 9727342,
    "MobileDuration": 10,
    "MobileUrl": ""
  }
]
```

```
"Notes": "1Thank you for installing and testing the Brainshark / SFDC integration package. \r\n\r\nIf there are any questions concerning its operation, please contact Brainshark Technical Support at 781-370-8222 or email us at support@brainshark.com\r\n\r\nThank you, again.",
"Number": 1,
"QuestionId": -1,
"ThumbnailUrl": "https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=823814237&w=152&h=114&slide_version=15&pcp=home&lock=False&sln=1&sid=325965009&sky=e11d5a92fe894c569e2af5b5d85d0078&uid=57536",
"Title": "GHG Module Quiz",
"Shapes": null,
"SlideTransition": null
},
{
  "AnimationTimings": "",
  "ChapterTitle": "",
  "Duration": 10,
  "FirstAnimationTimed": false,
  "Id": 9727343,
  "MobileDuration": 10,
  "MobileUrl": "",
  "Notes": "",
  "Number": 2,
  "QuestionId": 327315,
  "ThumbnailUrl": "https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=823814237&w=152&h=114&slide_version=15&pcp=home&lock=False&sln=2&sid=325965009&sky=e11d5a92fe894c569e2af5b5d85d0078&uid=57536",
  "Title": "Examination",
  "Shapes": null,
  "SlideTransition": null
},
{
  "AnimationTimings": "",
  "ChapterTitle": "",
  "Duration": 10,
  "FirstAnimationTimed": false,
  "Id": 94597709,
  "MobileDuration": 10.9,
  "MobileUrl": "",
  "Notes": "",
  "Number": 3,
  "QuestionId": 820870,
  "ThumbnailUrl": "https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=823814237&w=152&h=114&slide_version=15&pcp=home&lock=False&sln=3&sid=325965009&sky=e11d5a92fe894c569e2af5b5d85d0078&uid=57536",
  "Title": "Examination",
  "Shapes": null,
  "SlideTransition": null
}
},
```

	<pre> "Tags":[ ], "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=823814237&amp;sln=1&amp;w=152&amp;h=114&amp;slide_version=15&amp;pcp=home&amp;lock=False&amp;sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536", "Title":"Final Exam", "Topics":[ ], "ViewingUrl":"https://www.brainshark.com/brainshark/vu/view.asp?pi=823814237&amp;sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536" , "PersonalizeUrl":"https://www.brainshark.com//brainshark/brainshark.net/author/PersonalizePresentation.aspx?srcpid=823814237&amp;sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536", "ViewingPrice":0, "DeviceCanHideSlides":true, "DeviceCanReOrderSlides":true, "LastViewedDate":1314881458, "PresentationVersion":15 }, "Topic": "", "ViewingUrl":"https://www.brainshark.com/brainshark/vu/view.asp?pi=823814237&amp;sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536" , "EnrollmentExpirationOffset":0, "EnrollmentExpirationOffsetUnits":null }, "Id":14399 } ] </pre>
<p><b>Error Reponses</b></p>	<p>When cid is invalid value:</p> <pre> [ { "Error":{ "Message":"Course not found.", "LoginDir": "", "CompanyLogoUrl": "" }, "Id":1439 } ] </pre>
<p><b>Contextual Usage</b></p>	<p>Retrieve course information with cid value</p> <ul style="list-style-type: none"> <li>• Open a Private Session</li> <li>• Call the XYZ API with the sid, sky, uid to retrieve CourseID</li> <li>• Call Course API</li> </ul>
<p><b>Fields Returned</b></p>	<p><b>Course Meta Data</b></p> <p><b>CertificationExpirationDateType:</b> 0 if the certification does not expire. 1 if the certification expires on a specific date (in which case the</p>



CertificationExpirationAbsoluteDate field is set). 2 if the expiration occurs in a set # of days (in which case CertificationExpirationRelativeDateOffset is set).  
**CertificationExpirationAbsoluteDate:** If CertificationExpirationDateType is set to 1 this is the actual date of the expiration (in minutes since January 1, 1970).  
**isExam:** false  
**CertificationExpirationRelativeDateOffset:** If CertificationExpirationDateType is set to 2 this is the # of days for the expiration.  
**CertificationExpirationSendInvitation:** True or False, if an email is sent to students when they are auto-enrolled during course expiration.  
**CertificationExpirationTargetCourseId:** The course ID to auto-enroll students into once the certification expires.  
**CertificationExpirationTargetCurriculumId:** The curriculum ID to auto-enroll students into once the certification expires.  
**ContentType:** For standard Brainshark content the type will always be Brainshark, otherwise it is the user-defined content type associated with this content.  
**Description:** The description of the enrollment.  
**EnrollmentType:** Either 1 for Open enrollment or 2 for Limited Enrollment.  
**Id:** The unique identifier for this course.  
**FolderId:** The Brainshark internal id for the folder this course resides in.  
**PresentationId:** The presentation id that this course wraps.  
**IssuesCertificate:** Does this curriculum issue certificates? True/False.  
**LastUpdateDate:** The date/time the curriculum was last updated (in minutes since January 1, 1970).  
**Title:** The title of the curriculum.  
**Topic:** The single topic id associated with this curriculum. Optional.  
**EnrollmentExpirationOffset:** How long, in units defined by EnrollmentExpirationOffsetUnits, until the enrollment expires.  
**EnrollmentExpirationOffsetUnits:** Either 'day', 'week', or 'month'.  
**NumberEnrolled:** The number of students currently enrolled in the course.  
**NumberPassed:** The number of students who have passed the course.  
**NumberTaken:** The number of students who have taken the course.  
**GroupCompletionStatus:** Internal field  
**IsRequired:** Is this course a required course in any curriculum

Courses also contain Author Information (see the Get User section of this document for detailed information) and presentation information.

---

## Course Enrollment

<b>Description</b>	This API has two modes: <ul style="list-style-type: none"> <li>Retrieve course enrollment information for logged in user</li> <li>Enroll a student into a course</li> </ul>		
<b>Method</b>	GET		
<b>URL</b>	https://www.brainshark.com/brainshark/webservices_mobile/courseenrollment.ashx		
<b>Parameters</b>	<b>Name</b>	<b>Required / Optional</b>	<b>Description</b>
	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session
	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session
	uid	R	Userid  Derived from the Session Creation. Identifies the user conducting the Private Session.
	cid	O	A comma-separated list of course ids. If no cids are provided, the list is for the author specified in the uid.
	sortby	O	Optional values are: title, desc (description), id, author
	filter	O	Values are all, current, prior
	offset	O	The course sequence number (in the returned list) where the display of results begins
	perpage	O	Numeric value. Default=10
	Enroll	O	Value=1. Indicates API is to be used for enrolling a student into a course
	enrolleeid	O	Value=userid. Used when enrolling a student into a course
	courseid	O	Value=courseid. Used when enrolling a student into a course
	Q	O	Query for the presence of the text value supplied
<b>Sample</b>	<b><u>Display Courses</u></b>		

	<p><a href="http://www.brainshark.com/brainshark/webservices_mobile/courseenrollment.ashx?sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536">www.brainshark.com/brainshark/webservices_mobile/courseenrollment.ashx?sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536</a></p> <p><b>Enroll Student</b>  <a href="http://www.brainshark.com/brainshark/webservices_mobile/courseenrollment.ashx?sid=352605490&amp;sky=8d2d6cb523cd42f28875001b2bff0846&amp;uid=57536&amp;enroll=1&amp;enrolleeid=1162335&amp;courseid=1898">www.brainshark.com/brainshark/webservices_mobile/courseenrollment.ashx?sid=352605490&amp;sky=8d2d6cb523cd42f28875001b2bff0846&amp;uid=57536&amp;enroll=1&amp;enrolleeid=1162335&amp;courseid=1898</a></p>
<p><b>Response Example</b></p>	<p><b>Display Courses</b></p> <p>Partial Result:</p> <pre>{   "Results": [     {       "AuthorFullName": "Young, Arnold",       "ContentType": "Brainshark",       "CompletionDate": 1269544770,       "CourseId": 1008,       "Credits": 0,       "Description": "",       "Duration": 264,       "EnrollmentId": 1789224,       "EnrolledDate": 1269544770,       "EnrollmentType": 2,       "ExpirationDate": 0,       "HasPodcast": false,       "NumberOfSlides": 17,       "PassingScore": 0,       "Passed": false,       "PercentAudioListened": 0,       "PercentScore": 0,       "PercentSlidesViewed": 0,       "PodcastUrl": "",       "RequiredAudioPercentage": 75,       "RequiredSlidePercentage": 75,       "Title": "4 Keys to Killer Web Media",       "ThumbnailUrl": "https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=129874&amp;sln=1&amp;w=152&amp;h=114&amp;pcp=home&amp;sid=325992114&amp;sky=b1f64b82b7874f3facc4521cb857b229&amp;uid=85041",       "Topic": null,       "StudentEnrollmentStatus": 1,       "ViewingUrl": "https://www.brainshark.com/brainshark/vu/view.asp?pi=129874&amp;sid=325992114&amp;sky=b1f64b82b7874f3facc4521cb857b229&amp;uid=85041"     }   ],   "TotalRows": 0,   "Done": true }</pre> <p>No Prior Enrollments</p> <pre>{   "Results": [   ],   "TotalRows": 0,   "Done": true }</pre>

	<pre> }  <b>Enroll Student</b>  {   "AuthorFullName":null,   "ContentType":null,   "CompletionDate":0,   "CourseId":1898,   "Credits":0,   "Description":null,   "Duration":0,   "EnrollmentId":9617052,   "EnrolledDate":1364837964,   "EnrollmentType":0,   "ExpirationDate":0,   "GroupCompletionStatus":null,   "HasPodcast":false,   "NumberOfSlides":0,   "PassingScore":0,   "Passed":false,   "PercentAudioListened":0,   "PercentScore":0,   "PercentSlidesViewed":0,   "PodcastUrl": "",   "RequiredAudioPercentage":0,   "RequiredSlidePercentage":0,   "Tags":null,   "Title":null,   "ThumbnailUrl":"https://www.brainshark.com/brainshark/brainshark.net/Common/GetImage.ashx?pi=0&amp;sln=1&amp;w=152&amp;h=114&amp;pcp=home&amp;sid=352605490&amp;sky=8d2d6cb523cd42f28875001b2bff0846&amp;uid=57536",   "Topic":null,   "StudentEnrollmentStatus":1,   "ViewingUrl":"https://www.brainshark.com/brainshark/vu/view.asp?pi=0&amp;sid=352605490&amp;sky=8d2d6cb523cd42f28875001b2bff0846&amp;uid=57536" } </pre>
<p><b>Error Reponses</b></p>	<p>When cid is invalid value:</p> <pre> [ {   "Error":{     "Message":"Course not found.",     "LoginDir": "",     "CompanyLogoUrl": ""   },   "Id":1439 } ] </pre>
<p><b>Contextual Usage</b></p>	<p>Retrieve course information with cid value</p>

	<ul style="list-style-type: none"> <li>• Open a Private Session</li> <li>• Call the Course Enrollment API with the sid, sky, uid to retrieve Course information</li> </ul>
<b>Contextual Usage</b>	<p>Retrieve course information with cid value</p> <ul style="list-style-type: none"> <li>• Open a Private Session</li> <li>• Call the Curriculum Enrollment API with the sid, sky, uid to retrieve Curriculum information</li> </ul>
<b>Fields Returned</b>	<p><b>Curriculum Enrollment Meta Data</b></p> <p><b>CompletionDate:</b> The date the user completed the curriculum (in minutes since January 1, 1970).</p> <p><b>Attachments:</b> A JSON object of attachment data.</p> <p><b>AuthorFullName:</b> The First name and last name fields concatenated together.</p> <p><b>ContentType:</b> For standard Brainshark content the type will always be Brainshark, otherwise it is the user-defined content type associated with this content.</p> <p><b>CourseId:</b> The unique identifier for this course.</p> <p><b>FolderId:</b> The Brainshark internal id for the folder this course resides in.</p> <p><b>PresentationId:</b> The presentation id that this course wraps.</p> <p><b>Credits:</b> The number of credits received for this course.</p> <p><b>Description:</b> The long description of this course.</p> <p><b>Duration:</b> The duration of the audio on this course (in seconds)</p> <p><b>EnrollmentId:</b> The internal id for this enrollment.</p> <p><b>EnrollmentDate:</b> The date the user completed the course (in minutes since January 1, 1970).</p> <p><b>EnrollmentType:</b> Either 1 for Open enrollment or 2 for Limited Enrollment.</p> <p><b>ExpirationDate:</b> The date the course expires (in minutes since January 1, 1970).</p> <p><b>EnrollmentExpirationDate:</b> The date the course enrollment expires (in minutes since January 1, 1970).</p> <p><b>AttemptsRemaining:</b> Some courses limit the number of tries a student has to complete/pass a course.</p> <p><b>GroupCompletionStatus:</b> Internal Flag</p> <p><b>HasPodcast:</b> True or false to indicate if this course is setup as a podcast</p> <p><b>PodcastUrl:</b> If the course is a podcast this is the Url that can be used to reach it.</p> <p><b>IsNew:</b> Is this enrollment new since last login.</p> <p><b>IssuesCertificate:</b> Is this course setup with a certificate.</p> <p><b>IsDeleted:</b> Is this a deleted course enrollment record.</p> <p><b>NumberOfSlides:</b> The number of slides in this course.</p> <p><b>PassingScore:</b> What is the score required to achieve a Pass.</p> <p><b>Passed:</b> Did this course enrollment pass?</p> <p><b>PercentageListened:</b> What percentage of the audio has been listened to for this course.</p> <p><b>PercentScore:</b> The viewer's score as a percentage of total possible score.</p> <p><b>PercentSlidesViewed:</b> The percentage of slides viewed.</p> <p><b>RequiredAudioPercentage:</b> The percentage of audio listened to in order to complete this course.</p> <p><b>RequiredSlidePercentage:</b> The percentage of slides viewed in order to complete this course.</p> <p><b>Tags:</b> An array of tags applied to this course.</p>

	<p><b>Title:</b> The title of this course.</p> <p><b>ThumbnailUrl:</b> The Url for the thumbnail image of this course.</p> <p><b>Topic:</b> A course can only have a single topic. If assigned it is listed in this string value.</p> <p><b>ViewingUrl:</b> The Url that can be accessed to view this course.</p> <p>Curriculums also contain Author Information (see the Get User section of this document for detailed information) and course information.</p>
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## Curriculum

<b>Description</b>	Retrieve curriculum details																											
<b>Method</b>	GET																											
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/curriculum.ashx">https://www.brainshark.com/brainshark/webservices_mobile/curriculum.ashx</a>																											
<b>Parameters</b>	<table border="1"> <thead> <tr> <th>Name</th> <th>Required / Optional</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>sid</td> <td>R</td> <td>Session id  Derived from Session Creation. Along with sky, securely identifies the session</td> </tr> <tr> <td>sky</td> <td>R</td> <td>Session key  Derived from the Session Creation. Along with sid, securely identifies the session</td> </tr> <tr> <td>uid</td> <td>R</td> <td>UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.</td> </tr> <tr> <td>cid</td> <td>O</td> <td>A comma-separated list of curriculum ids. If no cids are provided, the list is for all curriculums</td> </tr> <tr> <td>sortby</td> <td>O</td> <td>Optional values are: title, desc (description), id, author</td> </tr> <tr> <td>sortdir</td> <td>O</td> <td>Sort direction. Values are a=ascending, d=descending</td> </tr> <tr> <td>offset</td> <td>O</td> <td>The course sequence number (in the returned list) where the display of results begins</td> </tr> <tr> <td>perpage</td> <td>O</td> <td>Numeric value. Default=10</td> </tr> </tbody> </table>	Name	Required / Optional	Description	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session	uid	R	UserId  Derived from the Session Creation. Identifies the user conducting the Private Session.	cid	O	A comma-separated list of curriculum ids. If no cids are provided, the list is for all curriculums	sortby	O	Optional values are: title, desc (description), id, author	sortdir	O	Sort direction. Values are a=ascending, d=descending	offset	O	The course sequence number (in the returned list) where the display of results begins	perpage	O	Numeric value. Default=10
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sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session																										
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perpage	O	Numeric value. Default=10																										
<b>Sample</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/curriculum.ashx?sid=325992114&amp;sky=b1f64b82b7874f3facc4521cb857b229&amp;uid=85041&amp;perpage=20">www.brainshark.com/brainshark/webservices_mobile/curriculum.ashx?sid=325992114&amp;sky=b1f64b82b7874f3facc4521cb857b229&amp;uid=85041&amp;perpage=20</a>																											
<b>Response Example</b>	<p>Without specifying a curriculum id:</p> <pre>{   "Results": [     {       "AuthorFullName": "Young, Arnold",       "Credits": 5,       "Description": "",       "EnrollmentType": 1,</pre>																											

```

    "Id":621978036,
    "Title":"MAPD Curriculum",
    "Topic":null,
    "EnrollmentExpirationOffset":0,
    "EnrollmentExpirationOffsetUnits":null
  }
],
"TotalRows":1,
"Done":true
}

```

**When specifying a curriculum id: (partial result)**

```

[
{
  "Item":{
    "Author":{
      "Bio":"","
      "Id":57536,
      "Username":"ayoung",
      "FullName":"Arnold Young",
      "PhotoUrl":"https://www.brainshark.com/brainshark/brainshark.net/appresentation/GetBGImage.aspx?imgtype=2&compid=9022&iid=550&sid=325992114&sky=b1f64b82b7874f3facc4521cb857b229&uid=85041",
      "Title":"Professional Services Manager"
    },
    "CertificateId":0,
    "CertificateMessage":"Congratulations on Passing <<CurriculumName>>",
    "CertificationExpirationDateType":0,
    "CertificationExpirationAbsoluteDate":0,
    "CertificationExpirationRelativeDateOffset":0,
    "CertificationExpirationSendInvitation":false,
    "CertificationExpirationTargetCourseId":0,
    "CertificationExpirationTargetCurriculumId":0,
    "CreatedDate":1271427585,
    "Courses":[
    {
      "ChapterTitle":"","
      "Course":{
        "CertificationExpirationDateType":0,
        "CertificationExpirationAbsoluteDate":0,
        "CertificationExpirationRelativeDateOffset":0,
        "CertificationExpirationSendInvitation":false,
        "CertificationExpirationTargetCourseId":0,
        "CertificationExpirationTargetCurriculumId":0,
        "ContentType":"Brainshark",
        "Description":"","
        "EnrollmentType":1,
        "Id":14365,
        "Presentation":{
          "AllowShare":true,
          "AllTimeViews":6,
          "Attachments":[

```



	<pre> ], "AverateRating":0, "Author":{ "Bio":""," "Id":57536, "Username":"ayoung", "FullName":"Arnold Young", "PhotoUrl":"https://www.brainshark.com/brainshark/brainshark.net/appresentation/GetBGImage.aspx?imgtype=2&amp;compid=9022&amp;iid=550&amp;sid=325992114&amp;sky=b1f64b82b7874f3facc4521cb857b229&amp;uid=85041", "Title":"Professional Services Manager" </pre>
<p><b>Error Reponses</b></p>	<p>When cid is invalid value:</p> <pre> [ { "Error":{ "Message":"Curriculum not found.", "LoginDir":""," "CompanyLogoUrl":"" }, "Id":62197803 } ] </pre>
<p><b>Contextual Usage</b></p>	<p>Retrieve course information with cid value</p> <ul style="list-style-type: none"> <li>• Open a Private Session</li> <li>• Call the XYZ API with the sid, sky, uid to retrieve Curriculum ID</li> <li>• Call Curriculum API</li> </ul>
<p><b>Fields Returned</b></p>	<p><b>Curriculum Meta Data</b></p> <p><b>CertificateID:</b> The unique identifier for this curriculum’s certificate  <b>CertificateMessage:</b> The text to be sent in the body of the certificate email.  <b>CertificationExpirationDateType:</b> 0 if the certification does not expire. 1 if the certification expires on a specific date (in which case the CertificationExpirationAbsoluteDate field is set). 2 if the expiration occurs in a set # of days (in which case CertificationExpirationRelativeDateOffset is set).  <b>CertificationExpirationAbsoluteDate:</b> If CertificationExpirationDateType is set to 1 this is the actual date of the expiration (in minutes since January 1, 1970).  <b>isExam: false</b>  <b>CertificationExpirationRelativeDateOffset:</b> If CertificationExpirationDateType is set to 2 this is the # of days for the expiration.  <b>CertificationExpirationSendInvitation:</b> True or False, if an email is sent to students when they are auto-enrolled during course expiration.  <b>CertificationExpirationTargetCourseId:</b> The course ID to auto-enroll students into once the certification expires.  <b>CertificationExpirationTargetCurriculumId:</b> The curriculum ID to auto-enroll students into once the certification expires.  <b>ContentType:</b> For standard Brainshark content the type will always be Brainshark, otherwise it is the user-defined content type associated with this content.  <b>Description:</b> The description of the enrollment.</p>

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<p><b>EnrollmentType:</b> Either 1 for Open enrollment or 2 for Limited Enrollment.</p> <p><b>Id:</b> The unique identifier for this curriculum.</p> <p><b>IssuesCertificate:</b> Does this curriculum issue certificates? True/False.</p> <p><b>LastUpdateDate:</b> The date/time the curriculum was last updated (in minutes since January 1, 1970).</p> <p><b>Title:</b> The title of the curriculum.</p> <p><b>Topic:</b> The single topic id associated with this curriculum. Optional.</p> <p><b>EnrollmentExpirationOffset:</b> How long, in units defined by EnrollmentExpirationOffsetUnits, until the enrollment expires.</p> <p><b>EnrollmentExpirationOffsetUnits:</b> Either 'day', 'week', or 'month'.</p> <p>Curriculums also contain Author Information (see the Get User section of this document for detailed information) and course information.</p>
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## Curriculum Enrollment

<b>Description</b>	Retrieve curriculum enrollment information for logged in user																											
<b>Method</b>	GET																											
<b>URL</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/curriculumenrollment.ashx">https://www.brainshark.com/brainshark/webservices_mobile/curriculumenrollment.ashx</a>																											
<b>Parameters</b>	<table border="1"> <thead> <tr> <th>Name</th> <th>Required / Optional</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>sid</td> <td>R</td> <td>Session id  Derived from Session Creation. Along with sky, securely identifies the session</td> </tr> <tr> <td>sky</td> <td>R</td> <td>Session key  Derived from the Session Creation. Along with sid, securely identifies the session</td> </tr> <tr> <td>uid</td> <td>R</td> <td>Userid  Derived from the Session Creation. Identifies the user conducting the Private Session.</td> </tr> <tr> <td>cid</td> <td>O</td> <td>A comma-separated list of course ids. If no cids are provided, the list is for the author specified in the uid.</td> </tr> <tr> <td>sortby</td> <td>O</td> <td>Optional values are: title, desc (description), id, author</td> </tr> <tr> <td>filter</td> <td>O</td> <td>Values are all, current, prior</td> </tr> <tr> <td>offset</td> <td>O</td> <td>The course sequence number (in the returned list) where the display of results begins</td> </tr> <tr> <td>perpage</td> <td>O</td> <td>Numeric value. Default=10</td> </tr> </tbody> </table>	Name	Required / Optional	Description	sid	R	Session id  Derived from Session Creation. Along with sky, securely identifies the session	sky	R	Session key  Derived from the Session Creation. Along with sid, securely identifies the session	uid	R	Userid  Derived from the Session Creation. Identifies the user conducting the Private Session.	cid	O	A comma-separated list of course ids. If no cids are provided, the list is for the author specified in the uid.	sortby	O	Optional values are: title, desc (description), id, author	filter	O	Values are all, current, prior	offset	O	The course sequence number (in the returned list) where the display of results begins	perpage	O	Numeric value. Default=10
Name	Required / Optional	Description																										
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<b>Sample</b>	<a href="https://www.brainshark.com/brainshark/webservices_mobile/curriculumenrollment.ashx?sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536">www.brainshark.com/brainshark/webservices_mobile/curriculumenrollment.ashx?sid=325965009&amp;sky=e11d5a92fe894c569e2af5b5d85d0078&amp;uid=57536</a>																											
<b>Response Example</b>	<p><b>Logged in user without curriculum enrollment:</b></p> <pre>{   "Results":[   ],   "TotalRows":0,   "Done":true }</pre>																											

Logged in user with curriculum enrollment (partial result):

```
"Results":[
  {
    "CompletionDate":0,
    "Courses":[
      {
        "CompletionDate":1271427834,
        "ContentType":"Brainshark",
        "CourseId":14365,
        "DisplayOrder":1,
        "Duration":10,
        "EnrollmentStatus":3,
        "ExpirationDate":0,
        "HasPodcast":false,
        "IsCourseRequired":true,
        "Module":"","
        "PassingScore":0,
        "PodcastUrl":"","
        "Title":"Module 1 - Lesson 1",
        "Topic":"","
        "ViewingUrl":"https://www.brainshark.com/brainshark/vu/view.asp?pi=676130792&sid=326050822&sky=8663b3a6b6e846ad8947630adb141905&uid=57536",
        "Prerequisites":[
          ]
        },
      {
        "CompletionDate":0,
        "ContentType":"Brainshark",
        "CourseId":14366,
        "DisplayOrder":2,
        "Duration":10,
        "EnrollmentStatus":1,
        "ExpirationDate":0,
        "HasPodcast":false,
        "IsCourseRequired":true,
        "Module":"","
        "PassingScore":0,
        "PodcastUrl":"","
        "Title":"Module 1 - Lesson 2",
        "Topic":"","
        "ViewingUrl":"https://www.brainshark.com/brainshark/vu/view.asp?pi=636544822&sid=326050822&sky=8663b3a6b6e846ad8947630adb141905&uid=57536",
        "Prerequisites":[
          {
            "Id":6803,
            "Title":"Module 1 - Lesson 1"
          }
        ]
      }
    ]
  }
]
```

	<pre> }, {   "CompletionDate":0,   "ContentType":"Brainshark",   "CourseId":14367,   "DisplayOrder":3,   "Duration":10,   "EnrollmentStatus":1,   "ExpirationDate":0,   "HasPodcast":false,   "IsCourseRequired":true,   "Module":"","   "PassingScore":0,   "PodcastUrl":"","   "Title":"Module 1 - Lesson 3",   "Topic":"","   "ViewingUrl":"https://www.brainshark.com/brainshark/vu/view.asp?pi=433442787&amp;sid=326050822&amp;sky=8663b3a6b6e846ad8947630adb141905&amp;uid=57536",   "Prerequisites":[     {       "Id":6804,       "Title":"Module 1 - Lesson 2"     }   ] } </pre>
<p><b>Error Reponses</b></p>	<p>When cid is invalid value:</p> <pre> [   {     "Error":{       "Message":"Curriculum not found.",       "LoginDir":"","       "CompanyLogoUrl":""     },     "Id":1439   } ] </pre>
<p><b>Contextual Usage</b></p>	<p>Retrieve course information with cid value</p> <ul style="list-style-type: none"> <li>• Open a Private Session</li> <li>• Call the Curriculum Enrollment API with the sid, sky, uid to retrieve Curriculum information</li> </ul>
<p><b>Fields Returned</b></p>	<p><b>Curriculum Enrollment Meta Data</b></p> <p><b>CompletionDate:</b> The date the user completed the curriculum (in minutes since January 1, 1970).</p> <p>Curriculums also contain Author Information (see the Get User section of this document for detailed information) and course information.</p>

## Appendix A: Converting Brainshark Dates

Brainshark dates are written as minutes from January 1, 1970. To convert this to a string in JavaScript use code similar to this:

//Format the date data that returns from REST. The date is in minutes and we need to convert this to milliseconds so JavaScript can get the date.

```
function formatDate(restminutes)
{
    if(!restminutes)
        return "";

    var dateObj = new Date(restminutes * 1000);
    var dateStr = (dateObj.getMonth() + 1) + "/" + dateObj.getDate() + "/" + dateObj.getFullYear();
    return dateStr;

};
```

To perform the same conversion in C#, use code similar to this:

```
static string formatRestDate(double restminutes)
{
    string formattedDate = "N/A";

    if (restminutes == 0) { return formattedDate; }

    DateTime dtFormatted = new DateTime(1970,1,1);
    dtFormatted = dtFormatted.AddMilliseconds(restminutes * 1000); formattedDate =
    dtFormatted.ToShortDateString();

    return formattedDate;
}
```