Using the V2 Jive Data Export Service (Analytics)

NOTE: This is version 2 of the Analytics service. Anyone currently using Cloud Analytics can use this version. This version is also available for on-prem customers who have opted in to Cloud Analytics. For the previous version, refer to V1 Jive Data Export Service (Analytics).

Have a question?

Please ask it here: Developer

What Is the Jive Data Export Service (DES)?

Beginning with the Jive Cloud Fall (2013) release and Jive 7, you can provide access to the new analytics service: the Jive Data Export API. This service allows you to export analytics data from your Jive community.

For more details, you can check out this walk through we created a while back ... core tenants are still relevant.

See also: Jive Developer Series - Exploring the Data Export API

How Do I Get Access to the DES?

If you have a third-party tool, or some other consumer for your analytics data, you can use the Jive UI to generate a client-specific ID and secret. The consumer would then use that client ID and secret to access your data in the Jive Data Export UI. We follow the OAuth 2 spec. http://tools.ietf.org/html/rfc6749#section-2.3.1.

Updated

Use these endpoints for the service based on the hosting model and where your instance is hosted:

US

Cloud: https://api-aws-cloud.jivesoftware.com

Hosted or on-prem: https://api-aws.jivesoftware.com/

EU

Cloud: https://api-eu-aws-cloud.jivesoftware.com

Hosted or on-prem: https://api-eu-aws.jivesoftware.com/

To create a new client ID and secret that enable access to your instance:

1. When logged in to Jive as a full access administrator, click your avatar in the top right, and select **Add-ons**.
2. From the Add-ons tab, select **Analytics Services** > **New Client**.
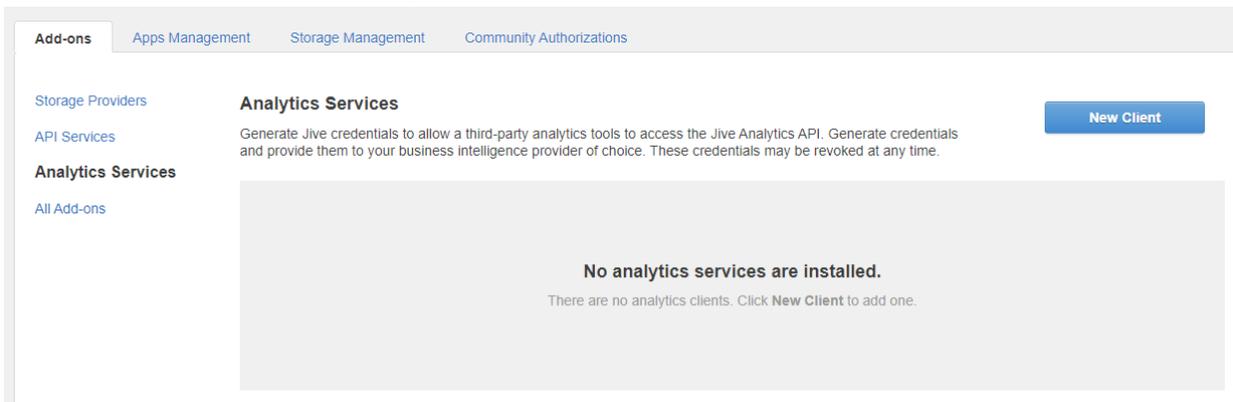
3. Enter the Client name. Make sure you use a descriptive name that will help you remember the system it's being used for.

4. Click **Generate Client ID & Secret**.
5. Copy and paste the information to where you can find it when you need it.
6. Use the Authorization key (which is valid for only 30 minutes) by making the following auth WS POST call. (Be sure this is a **POST** request; if you do a GET request, you will receive a 405 error. You can do a POST via the curl command as shown in the examples.)

   https://<cloudanalytics_server_host>/analytics/v1/auth/login?clientId=<Client ID>&clientSecret=<Client Secret> and substituting:
   - **cloudalytics_server_host** with the host or port for the Jive Data Export server.

- Client ID and Client Secret from the previous steps.

Note: Access can be revoked at any time using the Add-ons interface in your Jive instance.
Important: With the Move to AWS DES in late 2019, you will need to generate a new Client ID & Secret to get access via the new AWS DES API's. The old Client ID & Secrets will no longer work.

Common Use Cases

How many documents were created in the last week?

In order to find out how many document were created in the last week, you need to make the GET **/analytics/ v2/export/activity/{period}** request as shown in the "How Can I Use this Service?" section. In this case we'll use lastweek as the period. We'll also pass the Authorization Header in the request along with the appropriate filters. To get the Authorization header, you need to get the authorization key as shown in Step 1 of the "Show Me an Example!" section.

To access the analytics data, you'll use something like the following request.

```
/analytics/v2/export/activity/lastweek?
filter=action(Create)&filter=match(activity.actionObject.objectType,document)
```

List (in a CSV) all the content related activities that certain users participated in during the last day

In order to find out the content related activities by certain users (E.g 3 users with email ids of rohit@xyzcompany.com,david@xyzcompany.com,mitul@xyzcompany.com) and get them in a CSV format, we need to make the following GET call:

```
/analytics/v2/export/activity/csv/lastday?filter=match(activity.actor.email,
rohit@xyzcompany.com,david@xyzcompany.com,mitul@xyzcompany.com)
```

Note that in this case we'll use **lastday** as the period and **content** as the category for the **csv** format.

How many users logged in during the last hour?

In order to find out how many users logged in, we need to query for the 'Login' action and need to make the following GET call:

```
/analytics/v2/export/activity/lasthour?filter=action(Login)
```

Note that in this case we'll use **lasthour** as the period. Also the above query will return multiple results if the same user logged in multiple times in that period.

How Can I Use this Service?

Analytics Export (Cloud Only)

The Analytics Export tool is a new and improved user interface for new AWS DES! It is now available to Jive AWS Cloud customers. It is a new feature in the customer's Jive community, and should be available for Full Admin Users of Jive (in their avatar drop down menu). This UI helps you to see what filters are available and quickly get a CSV of available data.

REST Endpoints

You can create queries using the methods specified below, along with the parameters outlined in the Query Parameters table. You can filter the data using the filters outlined in the Filters table. See the **How do I get access to the DES?** section above for the endpoint URLs which you need when you're querying. Refer to the examples of queries at the bottom of this document in "Show Me an Example!" sections to see how it's used.

Important note:
- Maximum rows returned are limited to 10,000. If you were calling for all the data to be returned in the query, use pagination instead to get the additional data

Export Endpoints

The following are methods used for interacting with the Jive Data Export API. The API produces either JSON or CSV. CSV includes headers as the first line.

GET /analytics/v2/export/activity

- Produces: JSON
  Query parameters:
  - standard filter parameters (listed below)

GET /analytics/v2/export/activity/{period}

- Produces: JSON
- period: lasthour, lastday, lastweek
  Query parameters:
  - standard filter parameters (listed below)

GET /analytics/v2/export/activity/csv

- Produces: CSV
  Query parameters:
  - standard filter parameters (listed below)

GET /analytics/v2/export/activity/csv/{period}

- Produces: CSV
- period: lasthour, lastday, lastweek
  Query parameters:
  - standard filter parameters (listed below)

Query Parameters

The API parameters are modeled after Jive's V3 API.

Name	Type	Required	Description

filter	Object[]	false	The filter criteria used to limit results. Zero or more filters may be specified.
count	Integer	false	The maximum number of items to be returned. The default is 50,000 when requesting CSV data and 100 when requesting JSON data. The value "all" can be used to get all items; when using "all", we recommend using the "before" and "after" parameters to narrow results.
fields	String	false	Comma-separated list of fields to be returned.
after	ISO-8601 Date	true	Earliest event to return. This parameter has millisecond precision. For example. 2015-03-24T23:59:59.999 is a valid input.
before	ISO-8601 Date	false	Latest event to return. This parameter has millisecond precision. For example. 2015-03-24T23:59:59.999 is a valid input.
show-all	Boolean	false	Whether to return all fields. Defaults to false. (New for V2!)
additionalFields	String	false	CSV ONLY (New for V2!) Same as fields, except additional fields are **added** to the default header list instead of replacing it. Use fully-qualified JSON path.

			Refer to V2 Data Export Service CSV Output Fields for a list of default CSV output fields. Example: activity.actionObject.author.profile.region Complete cURL example: curl -XGET "https://api-aws.jivesoftware.com/analytics/v2/export/activity? filter=match(activity.actionObject.isQuest additionalFields=activity.actionObject.ass
timeZone	String	false	CSV ONLY (New for V2!) For time fields, adjusts the (field).time and (field).date to be in the specified timezone. Time zones are full name according to the tz database (see http://en.wikipedia.org/wiki/List_of_tz_database_time_zones). **NOTE:** Don't forget to URL Encode special characters in those timezone names. Example: US%2FMountain
friendly	n/a	n/a	THIS FIELD IS NO LONGER SUPPORTED.

Filters

The API supports the following filters for limiting results:

Filter	Params	Example
action	One or more actions, separated by commas. (See sample JSON response below for action field.)	filter=action(View,Create,Update)
name	One or more names, separated by commas. (See sample JSON response below for name field.)	filter=name(ACTIVITY_CREATE_DOCUMENT)
user	One or more user search terms. Compared against username (activity.actor.username in the JSON).	filter=user(admin,Administrator)
type	One or more content search terms. Compared against object's type (activity.actionObject.objectType in the JSON).	filter=type(blogpost,document)
place	One or more destination search terms. Compared against place name (activity.destination.name in the JSON).	filter=place(Cloudalytics)
match	Field followed by one or more search terms.	filter=match(activity.actionObject.objectType,Docu
lt	Field followed by numeric value -- returns events where field's value is **less than** requested value. (not to be used with timestamp. for less than a time, use before param)	filter=lt(activity.actor.objectId,1002)
gt	Field followed by numeric value -- returns events where field's value is **greater than** requested value. (not to be used with timestamp, for greater than a time, use after param)	filter=gt(timestamp,1403210186028)

not	Nested filter -- returns the inverse data set. (New for V2!)	filter=not(type(document)) filter=not(user(admin,Administrator))
or	Nested filter -- returns a filter that is the logical or of the nested filters	filter=or(type(document),user(admin))

Extracted Data

The Data Export API produces either JSON or CSV. The API produces analytics information in the form of a paged response. Information about the next and previous pages are returned as part of the response. When requesting JSON content, paging information is part of the JSON response (as shown below); when requesting CSV content, paging information is part of the "paging" response header. In the output, each event is contained within a list. Most events take some form of "<Actor> performed <activity type> on <direct object> (less commonly to/with indirect object) in <place>".

The below example shows a JSON response that would be returned for the following request:

SAMPLE REQUEST

```
curl -i "api-aws.jivesoftware.com/analytics/v2/export/activity?count=2&startIndex=2"
```

```
{
  "paging": {
      "next": 'http://api-aws.jivesoftware.com/analytics/v2/export/activity?
startIndex=4&count=2',
      "previous": 'http://api-aws.jivesoftware.com/analytics/v2/export/activity?
startIndex=0&count=2',
      "itemsPerPage": 2,
      "totalCount": 1968999,
      "currentPage": 2,
      "totalPages": 984500
  },
  "list": [
      {
          "name": "ACTIVITY_UNLIKE_MESSAGE",
          "timestamp": 1403210186028,
          "seqId": 64,
          "uuid": "3146c6c0-f7f1-11e3-afe1-7831c1d4a9b2",
          "context": {
```

```
            "service": {
                "jiveUrl": "http://my.website.com:8080",
                "instanceType": "dev",
                "serviceVersion": "8.0.0.0_8c3-Custom",
                "serviceName": "Jive SBS"
            },
            "jvm": {
                "jvmHome": "/Users/jane/workspace/jive/application/quickstart/.",
                "jvmIpAddr":
"nic=en0,mac=09:01:f1:f4:f9:0a,ip=fe80:0:0:0:5b31:c1ff:cdd4:a91a
%4,ip=10.46.28.41;nic=lo0,ip=fe80:0:0:0:0:0:0:1%1",
                "jvmHost": "lt-a10-122121",
                "jvmUid": "c41e9280-f7eb-11e3-afe1-7831c1d4a91a"
            },
            "web": {
                "visible": "true",
                "userAgent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_9_2)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/35.0.1916.153 Safari/537.36",
                "requestId": "3146e090-f7f1-11e3-afe1-7831c1d4a9b2",
                "external": "false",
                "userEmail": "joe@website.com",
                "userType": "REGULAR",
                "username": "joe",
                "anon": "false",
                "sessionId": "127603463049901c7cb65b183b54180e",
                "userId": "2024",
                "partner": "false",
                "federated": "false",
                "flowId": "3146ce091-f7f1-11e3-afe1-7831c1d4a9b2"
            }
        },
        "payload": {},
        "actorID": 2024,
        "actorType": 3,
        "activityType": "Unlike",
        "actionObjectId": 1137,
        "actionObjectType": 2,
        "containerId": 1,
        "containerType": 2020,
```

```
"activity": {
    "actor": {
        "@class": ".Actor",
        "objectType": "user",
        "objectId": 2024,
        "objectHash": "67235110974b960d87c5aedd684d67ef6b62210f",
        "isDataAvailable": true,
        "extras": {},
        "tags": [],
        "username": "jane@website.com",
        "name": "A A",
        "firstName": "A",
        "lastName": "A",
        "email": "jane@website.com",
        "creationDate": 1403105940151,
        "modificationDate": 1403206390644,
        "profile": {
            "hasAvatar": "true"
        },
        "enabled": true,
        "lastLoggedIn": 1403206390641,
        "lastProfileUpdate": 1403105940151,
        "type": "REGULAR",
        "federated": false,
        "visible": true,
        "status": "registered",
        "url": "http://my.website.com:8080/people/a%40a.com"
    },
    "action": "Unlike",
    "actionObject": {
        "@class": ".ActivityContent",
        "objectType": "message",
        "objectId": 1137,
        "objectHash": "724e7d7f4f2c4196a3f493106d3b4e2740795130",
        "isDataAvailable": true,
        "extras": {},
        "tags": [],
        "subject": "Re: discussion 17",
```

```
            "creationDate": 1403105823083,

            "modifiedDate": 1403105823083,

            "authorId": 1,

            "containerId": 1,

            "containerType": "usercontainer",

            "isVisibleToPartner": false,

            "status": "PUBLISHED",

            "url": "http://my.website.com:8080/message/1137#1137",

            "fullPath": "/community_1/usercontainer_1",

            "normalizedPath": "/usercontainer_1",

            "combinedObjectTypeId": "2_1137"

        },

        "activityTime": 1403210186028,

        "destination": {

            "@class": ".ActivityDestination",

            "objectType": "usercontainer",

            "objectId": 1,

            "objectHash": "1246139873b8caa25ebd585c956cbe5126a3cdca",

            "isDataAvailable": true,

            "extras": {},

            "tags": [],

            "name": "Administrator",

            "displayName": "admin",

            "description": "Administrator",

            "creationDate": 0,

            "modificationDate": 0,

            "url": "http://my.website.com:8080/people/admin",

            "status": "ACTIVE",

            "isVisibleToPartner": false,

            "parentId": 1,

            "parentType": "community",

            "fullPath": "/community_1/usercontainer_1",

            "normalizedPath": "/usercontainer_1",

            "combinedObjectTypeId": "2020_1"

        }

    },

    "isHistoricalReplay": false

},
```

```
    {
        "name": "ACTIVITY_STATUSPOINTSMODIFIED_COMMUNITY",
        "timestamp": 1403208266865,
        "seqId": 63,
        "uuid": "ea331e10-fc4c-11e3-afe1-7831c1d4a91a",
        "context": {
            "service": {
                "jiveUrl": "http://my.website.com:8080",
                "instanceType": "dev",
                "serviceVersion": "8.0.0.0_8c3-Custom",
                "serviceName": "Jive SBS"
            },
            "jvm": {
                "jvmHome": "/Users/jane/workspace/jive/application/quickstart/.",
                "jvmIpAddr":
"nic=en0,mac=08:01:f1:f4:f9:0a,ip=fe80:0:0:0:7a31:c1ff:fed4:a91a
%4,ip=10.46.28.41;nic=lo0,ip=fe80:0:0:0:0:0:0:1%1",
                "jvmHost": "lt-a10-122121",
                "jvmUid": "c21e1d80-f7eb-11e3-afe1-7831c1d4a91a"
            }
        },
        "payload": {},
        "actorID": 1,
        "actorType": 3,
        "activityType": "StatusPointsModified",
        "actionObjectId": 1,
        "actionObjectType": 14,
        "activity": {
            "actor": {
                "@class": ".Actor",
                "objectType": "user",
                "objectId": 1,
                "objectHash": "2c0a57f773e6c131879987209b4cc8538f239db3",
                "isDataAvailable": true,
                "extras": {
                    "pointTotal": 219
                },
                "tags": [],
```

```
            "username": "admin",
            "name": "Administrator",
            "email": "ted@website.com",
            "creationDate": 1397673380967,
            "modificationDate": 1403194993660,
            "profile": {
                "hasAvatar": "true"
            },
            "enabled": true,
            "lastLoggedIn": 1403194993657,
            "lastProfileUpdate": 1397673380967,
            "type": "REGULAR",
            "federated": false,
            "visible": true,
            "status": "registered",
            "url": "http://my.website.com:8080/people/admin"
        },
        "action": "StatusPointsModified",
        "actionObject": {
            "@class": ".ActivityDestination",
            "objectType": "community",
            "objectId": 1,
            "objectHash": "136ad42047706a7e563197c4004668f1117bc7fa",
            "isDataAvailable": true,
            "extras": {
                "pointTotal": 219
            },
            "tags": [],
            "name": "Jive",
            "displayName": "jive",
            "description": " ",
            "creationDate": 0,
            "modificationDate": 1401289838558,
            "url": "http://my.website.com:8080/",
            "status": "ACTIVE",
            "isVisibleToPartner": false,
            "combinedObjectTypeId": "14_1"
        },
```

```
            "activityTime": 1403208266865
        },
        "isHistoricalReplay": false
    }
  ]
}
```

Examples

Basic Examples

The following commands show examples of how you can get authorization and then query activity from the Data Export Service in the Jive Cloud.

1. Get the authorization key:
```
curl -XPOST -i  'https://api-aws.jivesoftware.com/analytics/v1/auth/login?
clientId=&clientSecret='
```

(NOTE that the authorization endpoint still uses the v1 endpoint.)

2. Get all the activity in lastday and bring back all the fields:
```
curl -XGET -H "Authorization: " "https://api-aws.jivesoftware.com/analytics/v2/export/
activity/lastday"
```

3. Get all the activity in lastday with specific fields:
```
curl -XGET -H "Authorization: "

  "https://api-aws.jivesoftware.com/analytics/v2/export/activity/lastday?
fields=activity.action,activity.actor.url,activity.actor.email"
```

4. Get the specific number of records back. The below example will return one record back:
```
curl -XGET -H "Authorization: " "https://api-aws.jivesoftware.com/analytics/v2/export/
activity/lastday?count=1"
```

5. Get a CSV containing one record of activity for that user.

```
curl -i -XGET 'https://api-aws.jivesoftware.com/analytics/v2/export/activity/csv?
filter=user(bob)&count=1'
```

It is particularly useful to use the "-i" parameter (to include protocol headers) when requesting CSV content because paging information is located within the "paging" header field.

Examples Using Filters

You can use the following examples to help you understand how you can filter your data.

Get a specific content type:

```
curl -XGET -H "Authorization: " "https://api-aws.jivesoftware.com/analytics/v2/export/
activity/lastday?filter=action(Create)"
```

Get a specific content type in a specific place for specific user:

```
curl -XGET -H "Authorization: "

  'https://api-aws.jivesoftware.com/analytics/v2/export/activity/lastday?
filter=action(Create)&filter=place(testgroup)&filter=user(testuser)'
```

Example in the Jive Node SDK

 There is also an example in the Jive Node SDK. Once you follow the jive-sdk installation instructions, you can create the example using the "jive-sdk create example-analytics" command. Refer to Jive Developer Series - Exploring the Data Export API for a video tutorial.

List of All Data Export Events

The following is a list of all events that are serviced by the Data Export API. Note that the specific event names have the "ACTIVITY_" prefix.

Category	Variants	Unsupported Events	Example	Notes
LOGIN			ACTIVITY_LOGIN_USER	

LOGOUT			ACTIVITY_LOGOUT_USER
CREATE	ANNOUNCEMENT, ATTACHMENT, BLOG, BLOG-POST, COLLAB-ORATION, COM-MUNITY, DIRECT-MESSAGE, DOC-UMENT, EVENT, IDEA, MESSAGE, POLL, PROJECT, QUESTION, SOCIALGROUP, TAG, TASK, THREAD, USER, USERRE-LATIONSHIP, USERRE-LATIONSHIPLIST, VIDEO, WALLEN-TRY	CAROUSELCONTAINER, GENERICCONTENT, NITROACTIVI-TY, REMOTE-DOCUMENT, SLIDE,TILESTREAMENTRY,	ACTIVITY_CREATE_DOCUMENT
DELETE	ANNOUNCE-MENT, ATTACH-MENT, BLOG, BLOGPOST, COM-MUNITY, DIRECT-MESSAGE, DOC-UMENT, EVENT, IDEA, MESSAGE, POLL, PROJECT, QUESTION, SOCIALGROUP, TAG, TASK, THREAD, USER, USERRE-LATIONSHIP, USERRE-LATIONSHIPLIST, VIDEO, WALLEN-TRY	CAROUSELCON-TAINER, GENERIC-CONTENT, REMOTEDOC-UMENT, SLIDE, TILESTREAMEN-TRY,	ACTIVITY_DELETE_DOCUMENT
UNDELETE	DOCUMENT		ACTIVITY_UNDELETE_DOCUMENT
VIEW	BLOGPOST, COL-LABORATION, COMMUNITY, DIRECTMESSAGE, DOCUMENT, EVENT, IDEA, POLL, PROJECT, SOCIALGROUP,	GENERICCON-TENT, TILESTREA-MENTRY, EXTER-NALURL	ACTIVITY_VIEW_DOCUMENT

	THREAD, USER, VIDEO, WALLENTRY, **TASK, ANNOUNCEMENT**		
UPDATE	ANNOUNCEMENT, BLOG, BLOGPOST, COLLABORATION, COMMUNITY, DIRECTMESSAGE, DOCUMENT, EVENT, IDEA, MESSAGE, POLL, PROJECT, SOCIALGROUP, TASK, USER, VIDEO, WALLENTRY, **THREAD**	TILESTREAMENTRY, PROFILEIMAGE	ACTIVITY_UPDATE_DOCUMENT
COMMENT	BLOGPOST, COMMENT, DIRECTMESSAGE, DOCUMENT, DOCUMENTBACKCHANNEL, DOCUMENTVERSION, EVENT, IDEA, POLL, SHARE, VIDEO, WALLENTRY	EXTERNALURL, STREAMENTRY, TILESTREAMENTRY, REMOTEDOCUMENT	ACTIVITY_COMMENT_DOCUMENT
COMMENTUPDATE	BLOGPOST, COMMENT, DIRECTMESSAGE, DOCUMENT, DOCUMENTBACKCHANNEL, DOCUMENTVERSION, EVENT, IDEA, POLL, SHARE, VIDEO, WALLENTRY	EXTERNALURL, STREAMENTRY, TILESTREAMENTRY, REMOTEDOCUMENT	ACTIVITY_COMMENTUPDATE_DOCUMENT
UNCOMMENT	BLOGPOST, COMMENT, DIRECTMESSAGE, DOCUMENT, DOCUMENTBACKCHANNEL, DOCUMENTVERSION, EVENT, IDEA, POLL, SHARE, VIDEO, WALLENTRY	EXTERNALURL, STREAMENTRY, TILESTREAMENTRY,	ACTIVITY_UNCOMMENT_DOCUMENT

ADDATTACHMENT	BLOGPOST,, DOCUMENT, EVENT, IDEA, MESSAGE, PROJECT, SOCIALGROUP, USER, VIDEO	BRIDGEDCONTENTMESSAGE, EXTENSION, AVATAR, PROFILEIMAGE, TILESTREAMENTRY, ATTACHMENT, COMMUNITY, SOCIALGROUP	ACTIVITY_ADDATTACHMENT_DOCUMENT
UPDATEATTACHMENT	BLOGPOST, DOCUMENT, MESSAGE		ACTIVITY_UPDATEATTACHMENT_DOCUMENT
DELETEATTACHMENT	BLOGPOST, COMMUNITY, DOCUMENT, EVENT, IDEA, MESSAGE, PROJECT, SOCIALGROUP, USER	ATTACHMENT, EXTENSION, PROFILEIMAGE, AVATAR, TILESTREAMENTRY,	ACTIVITY_DELETEATTACHMENT_DOCUMENT
DOWNLOAD	BINARYBODY, DOCUMENT		ACTIVITY_DOWNLOAD_DOCUMENT
DOWNLOADATTACHMENT	ATTACHMENT, BLOGPOST, DOCUMENT, EVENT, IDEA, MESSAGE, PROJECT, SOCIALGROUP, TILESTREAMENTRY, VIDEO	COMMUNITY	ACTIVITY_DOWNLOADATTACHMENT_DOCUMENT
FOLLOW	BLOG, BLOGPOST, COLLABORATION, COMMUNITY, DIRECTMESSAGE, DOCUMENT, EVENT, EXTERNALURL, IDEA, MESSAGE, POLL, PROJECT, SHARE, SOCIALGROUP, TASK, THREAD, USER, VIDEO, WALLENTRY	DOCUMENTVERSION, ANNOUNCEMENT, EAEWELCOME,REMOTEDOCUMENT, REMOTEDOCUMENTSHELL, SOCIALNEWS, TILESTREAMENTRY,	ACTIVITY_FOLLOW_DOCUMENT
UNFOLLOW	BLOG, BLOGPOST, COMMUNITY, DIRECTMESSAGE, DOCUMENT,	REMOTEDOCUMENTSHELL,	ACTIVITY_UNFOLLOW_DOCUMENT

	EVENT, EXTER-NALURL, IDEA, MESSAGE, POLL, PROJECT, SHARE, SOCIALGROUP, TASK,, USER, VIDEO, WALLEN-TRY, THREAD	TILESTREAMEN-TRY, ANNOUNCEMENT, COLLABORATION, DOCU-MENTVERSION, REMOTEDOCU-MENT,	
LIKE	BLOGPOST, COM-MENT, DOCU-MENT, EVENT, EXTERNALURL, MESSAGE, POLL, STREAMEN-TRY, THREAD, TILESTREAMEN-TRY, VIDEO, WAL-LENTRY, WIKILINK	REMOTEDOCU-MENT,	ACTIVITY_LIKE_DOCUMENT
UNLIKE	BLOGPOST, COM-MENT, DOCU-MENT, EVENT, EXTERNALURL, MESSAGE, POLL, STREAMENTRY, THREAD, **IDEA**, TILESTREAMEN-TRY, VIDEO, WAL-LENTRY		ACTIVITY_UNLIKE_DOCUMENT
RATE	BLOGPOST, DOC-UMENT, EVENT, POLL, REMOTE-DOCUMENT, THREAD, VIDEO		ACTIVITY_RATE_DOCUMENT
VOTE	IDEA, POLL		ACTIVITY_VOTE_IDEA
BOOKMARK	BLOGPOST, DOC-UMENT, EVENT, EXTERNALURL, FAVORITE, IDEA, POLL, RE-MOTEDOCU-MENT, THREAD, TILESTREAMEN-TRY, VIDEO, WAL-LENTRY		ACTIVITY_BOOKMARK_DOCUMENT
UNBOOKMARK	BLOGPOST, DOC-UMENT, EVENT, EXTERNALURL, IDEA, POLL,	FAVORITE, RE-MOTEDOCUMENT	ACTIVITY_UNBOOKMARK_DOCUMENT

	THREAD, VIDEO, WALLENTRY		
BOOKMARKUP-DATE	BLOGPOST, DOC-UMENT, EVENT, EXTERNALURL, IDEA, POLL, THREAD, VIDEO, WALLENTRY	REMOTEDOCU-MENT TILESTREAMEN-TRY	ACTIVITY_BOOKMARKUPDATE_DOCUMENT
CREATEOUT-COME	BLOGPOST, COM-MENT, DOCU-MENT, MESSAGE, THREAD,	TILESTREAMEN-TRY	ACTIVITY_CREATEOUTCOME_DOCUMENT
UPDATEOUT-COME	BLOGPOST, COM-MENT, DOCU-MENT, MESSAGE, THREAD,	TILESTREAMEN-TRY	ACTIVITY_UPDATEOUTCOME_DOCUMENT
DELETEOUTCOME	BLOGPOST, COM-MENT, DOCU-MENT, MESSAGE, THREAD	TILESTREAMEN-TRY	ACTIVITY_DELETEOUTCOME_DOCUMENT
ENDORSE	USER		ACTIVITY_ENDORSE
ENDORSEMEN-TAPPROVAL	USER		ACTIVITY_ENDORSEMENTAPPROVAL
UNENDORSE	USER		ACTIVITY_UNENDORSE_USER
MAINSEARCH			ACTIVITY_MAINSEARCH
PEOPLE_SEARCH			ACTIVITY_PEOPLE_SEARCH
CONTENT_OR_PLACES_SEARCH			ACTIVITY_CONTENT_OR_PLACES_SEARCH
SPOTLIGHT_SEARCH			ACTIVITY_SPOTLIGHT_SEARCH
APPROVE	USERRE-LATIONSHIP		ACTIVITY_APPROVE_USERRELATIONSHIP
REJECT	USERRE-LATIONSHIP		ACTIVITY_REJECT_USERRELATIONSHIP
AIDED	QUESTION		ACTIVITY_AIDED_QUESTION
RESOLVED_MESSAGE			ACTIVITY_RESOLVED_MESSAGE In the response, "activity.actor" contains the user who selected the message as correct; "activity.actionObject.author" contains the user who authored the correct message
UNRESOLVED	QUESTION		ACTIVITY_UNRESOLVED_QUESTION

MENTION	ANNOUNCEMENT, ATTACHMENT, BLOG, BLOGPOST, COLLABORATION, COMMUNITY, DOCUMENT, DOCUMENTVERSION, EVENT, EXTERNALURL, FAVORITE, IDEA, IMAGE, MESSAGE, POLL, PROJECT, SOCIALGROUP, TASK, THREAD, USER, VIDEO, WALLENTRY	TILESTREAMENTRY,	ACTIVITY_MENTION_DOCUMENT
MOVE	BLOG, BLOGPOST, COMMUNITY, DOCUMENT, EVENT, IDEA, MESSAGE, POLL, PROJECT, QUESTION, THREAD, VIDEO, WALLENTRY	TILESTREAMENTRY	ACTIVITY_MOVE_DOCUMENT
TAG	BLOGPOST, COMMUNITY, DOCUMENT, EVENT, EXTERNALURL, FAVORITE, IDEA,, POLL, PROJECT, SOCIALGROUP, TAG, TASK, THREAD, USER, VIDEO, WALLENTRY	INTEGRATIONTEMPLATE	ACTIVITY_TAG_DOCUMENT
UNTAG	BLOGPOST, COMMUNITY, DOCUMENT, EVENT, EXTERNALURL, FAVORITE, IDEA, POLL, PROJECT, SOCIALGROUP, TAG, TASK, THREAD, USER, VIDEO, WALLENTRY	INTEGRATIONTEMPLATE	ACTIVITY_UNTAG_DOCUMENT
SHARE	BLOGPOST, COMMUNITY, DOCUMENT, EVENT, EXTERNALURL,	GENERICCONTENT, REMOTEDOCUMENT,	ACTIVITY_SHARE_DOCUMENT

	IDEA, OUTCOME, POLL, PROJECT,, SHARE, SOCIAL-GROUP, TASK, THREAD, USER, VIDEO, WALLEN-TRY	STREAMENTRY, TILESTREAMEN-TRY		
SEND_EMAIL			ACTIVITY_SEND_EMAIL	
STATUSPOINTS-MODIFIED	BLOG, COMMUNI-TY, PROJECT, SOCIALGROUP, USERCONTAINER	SYSTEMCONTAIN-ER	ACTIVITY_STATUSPOINTS_MODIFIED	Events corresponding to points award-ed for participating or contributing in a place.

List of All CSV Output Fields

Refer to V2 Data Export Service CSV Output Fields for a list of default CSV output fields.