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DAM API: overview

URL structure:

All API calls are HTTPS requests that look like: https://teamwork-dam.appspot.com/<api_name>/<area_name>/<function_name>

(device and user credentials are managed by production CRM: <https://teamworksvs.com>)

In development use: https://cloudworks-ncdn-test.appspot.com/<api_name>/<area_name>/<function_name>

(device and user credentials are managed by dev CRM: <https://crm-tw-test.appspot.com>)

<api_name> - defines which services are intended to use this function. For external clients, **"external-api"** should be used as API name.

<area_name> - defines logical area the function belongs to (e.g., "styles")

<function_name> - defines target API function name (e.g., "new_serialization_numbers")

Headers

Name	Optionality	Type	Description	Example
Access-Token	Required	String	SVS device access token	"dGVzdCA1NzMTUzMTM4ODUxODQwIDh1UTJETXZ3bHlUYzJiT0cxU3ZCb0g3TkIWMTFmMXZ6"

Request

Request body should contain a JSON-serialized object with function-specific parameters and their corresponding values in the form of:
{ "param_name" : "param_value", "param_name_2" : "param_value_2", ... }

HTTP content type should be set to **"application/json"**.

See particular function description for further information about parameters, their type and optionality.

Response

Response is a JSON-serialized object with pre-defined internal structure:

- **If API call succeeded**, then a function-specific object is returned.
See particular function description for further information about response object structure.

Example: { "accessToken" : "0AsroylUsISpMdGczQnNLNzMtQTdSM2IDSWcyVXJaeGc" }

- **If API call failed**, then a special object with 3 attributes is returned:

"errorCode" - Number, contains exception code

"errorType" - String, contains error name (short)

"errorMessage" - String, contains detailed explanation of an error occurred

Example: { "errorCode" : 500, "errorType" : "HTTPInternalServerError", "errorMessage" : "Unexpected internal error" }

Notice: presence of "errorCode" attribute in JSON response object may be used to detect an error condition by an API client.

DAM API: external

- Overview
- Area "media": media resources functionality
 - Batch updated styles
 - Get style
- Area "scheduler"
 - Subscribe
 - Unsubscribe

Overview

Please review [DAM API: overview](#) for detailed information about request/response structure

Area "media": media resources functionality

Batch updated styles

Get batches of styles with updated media resources for all items which were updated after specific time.

Parameter **modifiedAfter** time will be returned with the first batch and should be saved for retrieving only updated data next time.

Last batch will return empty cursor.

Notice: maximum batch size for single request is 30.

- Request method: POST
- Request JSON attributes:

Name	Optionality	Type	Description	Example
cursor	Optional	String	Cursor returned from previous response	"E-ABAOsB8gELcmVjTW9kaWZpZWT6AQDsAYICa2oMdGVhbXdvcmtcnRh"
modifiedAfter	Optional	Number	Timestamp (UNIX time, in mSec). If specified, only styles modified after this date/time will be returned.	1403869744000
limit	Required	Number	Batch size, maximum batch size for single request is 30	30

- Response JSON attributes:

Name	Type	Description	Example
styles	Array[object]	Array of Style objects	[{ ... }, { ... }, ...]
cursor	String	Cursor that can be used in next request to retrieve next batch of results. Null if there are no more results	"E-ABAOsB8gELcmVjTW9kaWZpZWT6AQDsAYICa2oMdGVhbXdvcmtcnRh"
lastUpdateTime	Number	Timestamp for query being executed (UNIX time, in mSec). Intended to be used later as "modifiedAfter".	1403869744000

Style object:

Name	Type	Description	Example
styleID	String	Unique style identifier	"22345200-abe8-4f60-90c8-0d43c5f6c0f6"
styleNo	String	Style identifier	"123456abc"
attributeID1	String	ID of r attribute 1	"22345200-abe8-4f60-90c8-0d43c5f6c0f6"
attributeName1	String	Name of attribute 1	"Color"
images	Array[object]	List of Assigned image objects	[{ ... }, { ... }, ...]

Assigned image object:

Name	Type	Description	Example
url	String	Image url	"http://www.example.com/iamges/img1.png"
filename	String	Image filename	"img1.png"

sort	Number	Sort order	1
excluded	Boolean		false
base	Boolean		true
thumbnail	Boolean		true
small	Boolean		true
tags	Array[string]	Image tags	["tag1", "tag2", "label"]
label	String	Image label	"label"
attributeValueID1	String	Id of attribute 1 value	"22345200-abe8-4f60-90c8-0d43c5f6c0f6"
attributeValueName1	String	Name of attribute 1 value	"Red"

- Request address: <https://teamwork-dam.appspot.com/external-api/media/batch-updated-styles>

Request example

```
{
  "cursor": null,
  "modifiedAfter": null,
  "limit": 30
}
```

Response example

```
{
  "styles": [
    {
      "style": {
        "styleID": "22345200-abe8-4f60-90c8-0d43c5f6c0f6",
        "styleNo": "123456abc",
        "attributeID1": "22345200-abe8-4f60-90c8-0d43c5f6c0f6",
        "attributeName1": "Color",
        "images": []
      }
    }
  ],
  "cursor": null,
  "lastUpdateTime": 1403869744000
}
```

Get style

Get style with media resources

- Request method: POST
- Request JSON attributes:

Name	Optionality	Type	Description	Example
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styleID	Optional *	String	Unique style identifier	"22345200-abe8-4f60-90c8-0d43c5f6c0f6"
styleNo	Optional *	String	Style identifier	"123456abc"

* At lease one of two parameters should be send. If styleID exists, style will be searched by styleID, else - by StyleNo

- Response JSON attributes:

Name	Type	Description	Example
style	object	Style object	"22345200-abe8-4f60-90c8-0d43c5f6c0f6"

- Request address: <https://teamwork-dam.appspot.com/external-api/media/get-style>

Request example

```
{
  "styleID": "22345200-abe8-4f60-90c8-0d43c5f6c0f6",
  "styleNo": null
}
```

Response example

```
{
  "style": {
    "styleID": "22345200-abe8-4f60-90c8-0d43c5f6c0f6",
    "styleNo": "123456abc",
    "attributeID1": "22345200-abe8-4f60-90c8-0d43c5f6c0f6",
    "attributeName1": "Color",
    "images": []
  }
}
```

- Possible errors:

Response status code	Error
400	BadInputParameters
500	InternalServerError

Area "scheduler"

Subscribe

Subscribe provided url to get scheduled notifications. DAM will make get call to provided url by scheduler (every 5 minutes)

- Request method: POST
- Request JSON attributes:

Name	Optionality	Type	Description	Example
url	Required	String	Url which will be called by scheduler	"http://www.test.com"

- Response JSON: Empty object ({}).
- Request address: <https://teamwork-dam.appspot.com/external-api/scheduler/subscribe>

Request example

```
{
  "url": "http://www.test.com"
}
```

Unsubscribe

Unsubscribe provided url from getting scheduled notifications.

- Request method: POST
- Request JSON attributes:

Name	Optionality	Type	Description	Example
url	Required	String	Url which will be called by scheduler	"http://www.test.com"

- Response JSON: Empty object ({}).
- Request address: <https://teamwork-dam.appspot.com/external-api/scheduler/unsubscribe>

Request example

```
{
  "url": "http://www.test.com"
}
```