

# Work Organizer API (BETA)

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Based on REST principles, the TrendMiner Work Organizer API endpoints provide access to all work created and saved by users like views, searches, formulas, etc.

# Chapter 1. Authentication

All requests to the web API require authentication. This is achieved by sending a valid Bearer access token in the request headers. Request tokens are obtained using OAuth2.0.

Requests to the Work Organizer API can be done authenticated as your client. To do requests, you first need to create a client and request a token.

When you create/update saved items authenticated as your client, they will belong to `service-account-CLIENTID`.

Make sure you are calling our services over HTTPS when retrieving an access token.

## 1.1. Creating a new client

A new client can be created in ConfigHub: Security → Clients → Add client

## 1.2. Retrieving an access token

To retrieve a token to authenticate as your client, you will need:

- Your client ID
- Your client secret (can be obtained in ConfigHub)

A token is requested from the token endpoint of the authentication service:

*Request*

```
curl --request POST \  
  --url 'https://YOUR_DOMAIN/auth/realms/trendminer/protocol/openid-connect/token' \  
  --header 'content-type: application/x-www-form-urlencoded' \  
  --data grant_type=client_credentials \  
  --data client_id=YOUR_CLIENT_ID \  
  --data client_secret=YOUR_CLIENT_SECRET
```

Upon valid authentication, the response will contain an access token.

*Response*

```
200 OK  
{  
  "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXZW50IiwiaWF0IjoiYXZ1bWVhZ1kIiA6ICJwcXZ1UXB...", ①  
  "expires_in": 300,  
  "refresh_expires_in": 0,  
  "token_type": "Bearer",  
  "not-before-policy": 1571391000,  
  "scope": "email profile"  
}
```

- ① The access token is to be used in every request towards our services (see example below). A new token needs to be fetched when the token expires after 5 minutes.

## 1.3. Doing a request with an access token

*Example request with access token*

```
curl --request GET \  
  --url 'https://YOUR_DOMAIN/work/[any-api]' \  
  --header 'content-type: application/x-www-form-urlencoded' \  
  --header 'Authorization: Bearer ACCESS_TOKEN'
```

# Chapter 2. Resources

## 2.1. AccessRules

### 2.1.1. Create an access rule for the saved item.

POST /saveditem/{savedItemId}/accessrule

#### Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>savedItemId</b>	The saved item for which to create the access rule	String
<b>Body required</b>	<b>SavedItemAccessRuleModel</b>	The access rule model.	<a href="#">SavedItemAccessRuleModel</a>

#### Responses

HTTP Code	Description	Schema
401	Unauthorized	AccessRuleResource
404	The resource was not found	AccessRuleResource
201	Created	AccessRuleResource
400	Validation failed	AccessRuleResource

#### Produces

- application/json

### 2.1.2. Delete an access rule for a saved item

DELETE /saveditem/{savedItemId}/accessrule/{accessRuleId}

#### Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>savedItemId</b>	The saved item to which the access rule apply	String
<b>Path required</b>	<b>accessRuleId</b>	The identifier of the access rule to delete	UUID

#### Responses

HTTP Code	Description	Schema
401	Unauthorized	String

404	The resource was not found	String
204	No response	String
400	Validation failed	String

### Produces

- application/json

### 2.1.3. Get the access rules for a saved item.

GET /saveditem/{savedItemId}/accessrule

### Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>savedItemId</b>	The saved item to which the access rules apply	String

### Responses

HTTP Code	Description	Schema
401	Unauthorized	List[ <a href="#">AccessRuleResource</a> ]
404	The resource was not found	List[ <a href="#">AccessRuleResource</a> ]
400	Validation failed	List[ <a href="#">AccessRuleResource</a> ]
200	OK	List[ <a href="#">AccessRuleResource</a> ]

### Produces

- application/json

## 2.2. Permissions

### 2.2.1. Returns a list of permissions for the saved item for the current logged in user

GET /permissions

### Parameters

Type	Name	Description	Schema
<b>Query</b> <i>optional</i>	<b>saved-item-identifier</b>	The identifier of the saved item to fetch permissions. This can be omitted for complex-item-identifier.	



<b>Query</b> <i>optional</i>	<b>complex-item-identifier</b>	The external identifier of the complex item to fetch permissions. This will be ignored if saved-item-identifier is present.	
---------------------------------	--------------------------------	---	--

## Responses

HTTP Code	Description	Schema
403	Forbidden	PermissionsResource
200	Ok	PermissionsResource
404	Resource not found	PermissionsResource

## Produces

- application/json

## 2.3. Preferences

### 2.3.1. Create a new preference

POST /preferences

#### Parameters

Type	Name	Description	Schema
<b>Body</b> <i>required</i>	<b>PreferenceModel</b>	A representation of a preference with name and data to create	<a href="#">PreferenceModel</a>

## Responses

HTTP Code	Description	Schema
401	Unauthorized	PreferenceResource
201	Created	PreferenceResource
400	Validation failed	PreferenceResource

## Produces

- application/json

### 2.3.2. Delete an existing preference for the logged in user

DELETE /preferences/{name}

## Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>name</b>	The name of an existing preference to delete	String

## Responses

HTTP Code	Description	Schema
401	Unauthorized	String
404	Resource(s) not found!	String
405	Method Not Allowed	String
204	No response	String
400	Validation failed	String

## Produces

- application/json

### 2.3.3. Retrieve an existing preference for the logged in user

GET /preferences/{name}

## Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>name</b>	The name of an existing preference to retrieve	String

## Responses

HTTP Code	Description	Schema
401	Unauthorized	PreferenceResource
404	Resource(s) not found!	PreferenceResource
200	Ok	PreferenceResource

## Produces

- application/json

### 2.3.4. Retrieve all preferences for the logged in user

GET /preferences

## Parameters

Type	Name	Description	Schema
------	------	-------------	--------

## Responses

HTTP Code	Description	Schema
401	Unauthorized	List[ <a href="#">PreferenceResource</a> ]
200	Ok	List[ <a href="#">PreferenceResource</a> ]

## Produces

- application/json

### 2.3.5. Store a list of preferences

POST /preferences/store

## Parameters

Type	Name	Description	Schema
<b>Body</b> <i>required</i>	<b>PreferenceModel</b>	A list of preferences to store	<a href="#">PreferenceModel</a>

## Responses

HTTP Code	Description	Schema
401	Unauthorized	List[ <a href="#">PreferenceResource</a> ]
400	Validation failed	List[ <a href="#">PreferenceResource</a> ]
200	Ok	List[ <a href="#">PreferenceResource</a> ]

## Produces

- application/json

### 2.3.6. Update a preference

PUT /preferences/{name}

## Parameters

Type	Name	Description	Schema
<b>Path</b> <i>required</i>	<b>name</b>	The name of an existing preference to update	String
<b>Body</b> <i>required</i>	<b>PreferenceModel</b>	A representation of a preference with data to update.  The name in this model will be ignored.	<a href="#">PreferenceModel</a>

## Responses

HTTP Code	Description	Schema
401	Unauthorized	PreferenceResource
404	Resource(s) not found!	PreferenceResource
405	Method Not Allowed	PreferenceResource
400	Validation failed	PreferenceResource
200	Ok	PreferenceResource

## Produces

- application/json

## 2.4. SavedItemTypes

### 2.4.1. Retrieves the details of the specified type

GET /saveditemtype/{id}

#### Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>id</b>	The name of the saved item type to retrieve details of	String

## Responses

HTTP Code	Description	Schema
200	OK	SavedItemTypeResource

## Produces

- application/hal+json
- application/x-spring-data-compact+json

### 2.4.2. List all the available saved item types

GET /saveditemtype

#### Parameters

Type	Name	Description	Schema
------	------	-------------	--------

## Responses

HTTP Code	Description	Schema
-----------	-------------	--------

200	OK	CollectionModelSavedItem TypeResource
-----	----	--

## Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.5. SavedItems

### 2.5.1. Browse the contents of a folder

GET /saveditem/browse

#### Parameters

Type	Name	Description	Schema
<b>Query</b> <i>optional</i>	<b>parent</b>	The identifier of the folder you want to browse	
<b>Query</b> <i>optional</i>	<b>excludeTypes</b>	A list of saved item types. These types will be excluded from the result.	
<b>Query</b> <i>optional</i>	<b>includeTypes</b>	A list of saved item types. The result will only contain these types.	
<b>Query</b> <i>optional</i>	<b>includeData</b>	Set to true to include the full data object in the result. Defaults to false	
<b>Query</b> <i>optional</i>	<b>foldersOnly</b>	Set to true to only return folders.	
<b>Query</b> <i>optional</i>	<b>page</b>	Zero-based page index (0..N)	
<b>Query</b> <i>optional</i>	<b>size</b>	The size of the page to be returned	
<b>Query</b> <i>optional</i>	<b>sort</b>	Sorting criteria in the format: property(,asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

## Responses

HTTP Code	Description	Schema
404	The resource was not found!	PagedModelSavedItemResource
400	Validation failed	PagedModelSavedItemResource
200	Ok	PagedModelSavedItemResource

## Produces

- application/hal+json
- application/x-spring-data-compact+json

### 2.5.2. Copy an existing saved item.

POST /saveditem/{id}/copy

## Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>id</b>	The identifier of the existing saved item that will be copied	String
<b>Body required</b>	<b>SavedItemModel</b>	The API model containing the changes to apply to the copied saved item. Only the name and/or description can be changed	<a href="#">SavedItemModel</a>

## Responses

HTTP Code	Description	Schema
403	Forbidden	SavedItemResource
404	The resource was not found!	SavedItemResource
201	Created	SavedItemResource
400	Validation failed	SavedItemResource

## Produces

- application/hal+json
- application/x-spring-data-compact+json

### 2.5.3. Create a new saved item

POST /saveditem

## Parameters

Type	Name	Description	Schema
<b>Body</b> <i>required</i>	<b>SavedItemModel</b>	A model of the item to create	<a href="#">SavedItemModel</a>

## Responses

HTTP Code	Description	Schema
201	Created	SavedItemResource
400	Validation failed	SavedItemResource

## Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.5.4. Delete saved item(s)

DELETE /saveditem/{id}

### Parameters

Type	Name	Description	Schema
<b>Path</b> <i>required</i>	<b>id</b>	The id's of the saved items to delete	String

## Responses

HTTP Code	Description	Schema
404	The resource was not found!	DeletedItemsResource
200	OK	DeletedItemsResource

## Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.5.5. Retrieve a saved item

GET /saveditem/{id}

### Parameters

Type	Name	Description	Schema
------	------	-------------	--------

<b>Path required</b>	<b>id</b>	The identifier of the saved item to retrieve. This identifier should be a valid UUID.	String
----------------------	-----------	---	--------

## Responses

HTTP Code	Description	Schema
404	Resource(s) not found!	SavedItemResource
403	Forbidden	SavedItemResource
200	Ok	SavedItemResource

## Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.5.6. Move saved item(s) to a folder

PUT /saveditem/{id}/move

### Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>id</b>		List
<b>Path required</b>	<b>itemsToMove</b>	The identifier(s) of the saved item(s) to move.	String
<b>Query optional</b>	<b>destination</b>	The identifier of the destination folder.	

## Responses

HTTP Code	Description	Schema
204	Ok	Object
404	The resource was not found!	Object
406	Duplicate item!	Folder structure invalid!

## Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.5.7. Patch a saved item

PATCH /saveditem/{id}



## Parameters

Type	Name	Description	Schema
<b>Path</b> <i>required</i>	<b>id</b>	The identifier of the saved item that will be patched	String
<b>Body</b> <i>required</i>	<b>SavedItemModel</b>	The API model containing the changes to apply to the saved item. Only the extended view properties are checked and the rest will be ignored	<a href="#">SavedItemModel</a>

## Responses

HTTP Code	Description	Schema
404	The resource was not found!	SavedItemResource
400	Validation failed	SavedItemResource
200	Ok	SavedItemResource
406	Duplicate item!	Folder structure invalid!

## Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.5.8. Search saved items

GET /saveditem/search

## Parameters

Type	Name	Description	Schema
<b>Query</b> <i>required</i>	<b>query</b>	A query string to search. Only the name and description of the saved item are search. Wildcards (*) are supported on all locations.	
<b>Query</b> <i>optional</i>	<b>excludeTypes</b>	A list of saved item types. These types will be excluded from the result.	
<b>Query</b> <i>optional</i>	<b>includeTypes</b>	A list of saved item types. The result will only contain these types.	
<b>Query</b> <i>optional</i>	<b>includeData</b>	Set to true to include the full data object in the result. Defaults to false	

<b>Query</b> <i>optional</i>	<b>sharedWithMe</b>	Set to true to filter the results to only show items that are shared with the logged in user. Defaults to false	
<b>Query</b> <i>optional</i>	<b>page</b>	Zero-based page index (0..N)	
<b>Query</b> <i>optional</i>	<b>size</b>	The size of the page to be returned	
<b>Query</b> <i>optional</i>	<b>sort</b>	Sorting criteria in the format: property(,asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

## Responses

HTTP Code	Description	Schema
400	Validation failed	PagedModelSavedItemResource
200	Ok	PagedModelSavedItemResource

## Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.5.9. Update a saved item

PUT /saveditem/{id}

### Parameters

Type	Name	Description	Schema
<b>Path</b> <i>required</i>	<b>id</b>	The identifier of the saved item that will be updated	String
<b>Body</b> <i>required</i>	<b>SavedItemModel</b>	The API model containing the changes to apply to the saved item.	<a href="#">SavedItemModel</a>

### Responses

HTTP Code	Description	Schema
404	The resource was not found!	SavedItemResource

400	Validation failed	SavedItemResource
200	Ok	SavedItemResource
406	Duplicate item!	Folder structure invalid!

### Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.6. SavedItemsDemo

### 2.6.1. Create demo saved items for a (new) user

POST /saveditem/demo

#### Parameters

Type	Name	Description	Schema
<b>Body</b> <i>required</i>	<b>UserInformationModel</b>		<i>UserInformationModel</i>

#### Responses

HTTP Code	Description	Schema
201	Created	Object
400	Validation failed	Object

### Produces

- application/hal+json
- application/x-spring-data-compact+json

## 2.7. SavedItemsExportImport

### 2.7.1. Export saved items

GET /export

#### Parameters

Type	Name	Description	Schema
<b>Query</b> <i>optional</i>	<b>username</b>	The username for which the savedItems need to be exported (default: current user)	

## Responses

HTTP Code	Description	Schema
403	Forbidden	Object
200	Ok	Object

## Produces

- /

## 2.7.2. Retrieve the results from the current or last import

GET `/import/result`

### Parameters

Type	Name	Description	Schema
------	------	-------------	--------

## Responses

HTTP Code	Description	Schema
200	Ok	ImportResult

## Produces

- /

## 2.7.3. Import saved items

POST `/import`

### Parameters

Type	Name	Description	Schema
<b>Query</b> <i>optional</i>	<b>username</b>	The username for which the savedItems need to be imported (default: current user)	
<b>Query</b> <i>optional</i>	<b>skip</b>	when set to true, duplicates will not be imported; when set to false, duplicates will be replaced (default: true)	

## Responses

HTTP Code	Description	Schema
403	Forbidden	ImportResult
200	Ok	ImportResult

## Produces

- /

## 2.8. Sessions

### 2.8.1. Create a new session

POST /sessions

#### Parameters

Type	Name	Description	Schema
<b>Body</b> <i>required</i>	<b>SessionModel</b>	A session containing valid JSON data	<a href="#">SessionModel</a>

#### Responses

HTTP Code	Description	Schema
401	Unauthorized	PreferenceResource
201	Created	PreferenceResource
400	Validation failed	PreferenceResource

## Produces

- application/json

### 2.8.2. Delete an existing session

DELETE /sessions/{identifier}

#### Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>identifier</b>	The short url identifier of the session to delete	String

#### Responses

HTTP Code	Description	Schema
401	Unauthorized	Object
404	Resource(s) not found!	Object
405	Method Not Allowed	Object
204	No response	Object
400	Validation failed	Object

## Produces

- application/json

### 2.8.3. Retrieve a session

GET /sessions/{identifier}

#### Parameters

Type	Name	Description	Schema
<b>Path required</b>	<b>identifier</b>	The short url identifier of the session to retrieve	String

#### Responses

HTTP Code	Description	Schema
401	Unauthorized	PreferenceResource
404	Resource(s) not found!	PreferenceResource
200	Ok	PreferenceResource

## Produces

- application/json

### 2.8.4. Get a session by viewId

GET /sessions

#### Parameters

Type	Name	Description	Schema
<b>Query</b> <i>required</i>	<b>viewId</b>	The viewId of the session	

#### Responses

HTTP Code	Description	Schema
401	Unauthorized	PreferenceResource
404	Resource(s) not found!	PreferenceResource
200	Ok	PreferenceResource

## Produces

- application/json

# Chapter 3. Models

## 3.1. *AccessRuleResource*

Represents an access rule definition

Field Name	Required	Type	Description	Format
identifier		String	The identifier of the access rule.	
objectId	X	String	The identifier of the object.	
paths	X	List of <a href="#">[string]</a>	An array of paths towards the object.	
subjectId	X	String	The identifier of the subject.	
subjectType	X	String	The type of the subject: USER, GROUP, EVERYBODY, GUEST.	<i>Enum:</i> GUEST, EVERYONE, GROUP, USER,
permissions	X	Set of <a href="#">[string]</a>	A set of permissions the subject has on the specified object. Can be an empty set.	<i>Enum:</i>
userDetailsResource		UserDetailsResource		
_links		Map of <a href="#">Link</a>		

## 3.2. *CollectionModelSavedItemTypeResource*

Field Name	Required	Type	Description	Format
_embedded		CollectionModelSavedItemTypeResource_embedded		
_links		Map of <a href="#">Link</a>		

## 3.3. *CollectionModelSavedItemTypeResourceEmbedded*

Field Name	Required	Type	Description	Format
savedItemTypeResourceList		List of <a href="#">SavedItemTypeResource</a>		

### 3.4. DeletedItemsResource

Object to describe the saved items that were deleted

Field Name	Required	Type	Description	Format
identifiers		List of <a href="#">[string]</a>	The identifiers of the deleted items	
_links		Map of <a href="#">Link</a>		

### 3.5. ImportFailure

Field Name	Required	Type	Description	Format
fileLocation		String		
typeOfFailure		String		
message		String		
itemIdentifier		String		
itemName		String		
itemType		String		
itemLocation		List of <a href="#">[string]</a>		

### 3.6. ImportResult

Field Name	Required	Type	Description	Format
identifier		UUID		uuid
inProgress		Boolean		
startTime		String		
endTime		String		
severeFailure		ImportFailure		
totalOfItemsSuccessfullyImported		Integer		int32
totalOfItemsFailedToImport		Integer		int32
totalOfSkippedItems		Integer		int32
totalOfReplacedItems		Integer		int32
failureDetails		List of <a href="#">ImportFailure</a>		
itemsSkipped		List of <a href="#">[string]</a>		



Field Name	Required	Type	Description	Format
itemsReplaced		List of <a href="#">[string]</a>		

### 3.7. *Link*

Field Name	Required	Type	Description	Format
href		String		
hreflang		String		
title		String		
type		String		
deprecation		String		
profile		String		
name		String		
templated		Boolean		

### 3.8. *PageMetadata*

Field Name	Required	Type	Description	Format
size		Long		int64
totalElements		Long		int64
totalPages		Long		int64
number		Long		int64

### 3.9. *PagedModelSavedItemResource*

Field Name	Required	Type	Description	Format
_embedded		PagedModelSavedItemResource__embedded		
_links		Map of <a href="#">Link</a>		
page		PageMetadata		

### 3.10. *PagedModelSavedItemResourceEmbedded*

Field Name	Required	Type	Description	Format
content		List of <a href="#">SavedItemResource</a>		

### 3.11. *PermissionsResource*

Describes a list of permissions

Field Name	Required	Type	Description	Format
permissions		List of <a href="#">[string]</a>	The list of permissions	
_links		Map of <a href="#">Link</a>		

### 3.12. *PreferenceModel*

API model of a preference

Field Name	Required	Type	Description	Format
name	X	String	A unique name for the preference	
data	X	Object	JSON object containing the definition of the preference	

### 3.13. *PreferenceResource*

Represents a saved user preference

Field Name	Required	Type	Description	Format
name		String	The name of the preference	
data		Object	JSON object containing the definition of the preference	
_links		Map of <a href="#">Link</a>		

### 3.14. *SavedItemAccessRuleModel*

API model for an access rule on a SavedItem

Field Name	Required	Type	Description	Format
subjectId		String	The identifier of the subject for which to grant the access rule	

Field Name	Required	Type	Description	Format
subjectType	X	String	The type of the subject	<i>Enum:</i> GUEST, EVERYONE, GROUP, USER,
permissions	X	Set of <a href="#">[string]</a>	The set of permissions	<i>Enum:</i>
autoGenerated		Boolean		

### 3.15. *SavedItemModel*

API model for creation or modification of a saved item

Field Name	Required	Type	Description	Format
id		String	The identifier of the saved item. This identifier is a UUID.	
parentId		String	The UUID of the folder where this saved item can be found. This folder is a saved item. When empty, the saved item will be saved in the most top level.	

Field Name	Required	Type	Description	Format
type		String	The type of the saved item. The type indicates what can be stored in the data property.	<i>Enum:</i> SIMILARITY_SEARCH, VALUE_BASED_SEARCH, CROSS_ASSET_VALUE_BASED_SEARCH, DIGITAL_STEP_SEARCH, AREA_SEARCH, FINGERPRINT, LEGACY_FINGERPRINT, VIEW, TREND_HUB_2_VIEW, FILTER, CONTEXT_LOGBOOK_VIEW, FORMULA, AGGREGATION, DASHBOARD, MONITOR, MACHINE_LEARNING, PREDICTIVE, TOTALIZER, NOTEBOOK, PIPELINE,

Field Name	Required	Type	Description	Format
name	X	String	The name of the savedItem	
description		String	The description of the savedItem	
data		Map of <a href="#">[object]</a>	A Json Object representing the content of the saved item. This content is specific to the saved item type.	
extendedViewProperties		Map of <a href="#">[string]</a>	Key value pairs representing the extended view properties of the saved item. This content is specific to the saved item type.	
folder		Boolean	true if the saved item is a folder; false otherwise. A folder can not contain data nor a type. As a result, both the data and type property will be ignored when a folder is saved.	

### 3.16. *SavedItemResource*

The definition of a saved item

Field Name	Required	Type	Description	Format
identifier		String	The identifier of the saved item. This identifier is a UUID.	

Field Name	Required	Type	Description	Format
type		String	The type of the saved item. The type indicates what can be stored in the data property.	<i>Enum:</i> SIMILARITY_SEARCH, VALUE_BASED_SEARCH, CROSS_ASSET_VALUE_BASED_SEARCH, DIGITAL_STEP_SEARCH, AREA_SEARCH, FINGERPRINT, LEGACY_FINGERPRINT, VIEW, TREND_HUB_2_VIEW, FILTER, CONTEXT_LOGBOOK_VIEW, FORMULA, AGGREGATION, DASHBOARD, MONITOR, MACHINE_LEARNING, PREDICTIVE, TOTALIZER, NOTEBOOK, PIPELINE,

Field Name	Required	Type	Description	Format
name		String	The name of the saved item.	
description		String	The description of the saved item.	
data		Map of <a href="#">[object]</a>	A Json Object representing the content of the saved item. This content is specific to the saved item type. The data is, by default, only available when retrieving a single saved item. This behaviour can be overridden in lists by explicitly providing &quot;includeData&quot; in the request URL.	
extendedViewProperties		Map of <a href="#">[string]</a>	Key value pairs representing the extended view properties of the saved item. This content is specific to the saved item type.	
lastModifiedDate		Date	The UTC date when the saved item was last modified.	date-time
folder		Boolean	true if the saved item is a folder; false otherwise.	
shared		Boolean	true if the saved item is shared; false otherwise.	
owner		String	The name of the saved item's owner.	
ownerUuid		String	The UUID of the saved item's owner.	
ownerUserDetails		UserDetailsResource		
parentId		String	The UUID of the folder where this saved item can be found. This folder is a saved item.	
permissions		Set of <a href="#">[string]</a>	A list of permissions on the saved item for the current logged in user. Possible permissions: * SAVED_ITEM_NO_PERMISSIONS - The item can not be accessed; * SAVED_ITEM_READ_ITEM - The item can be read; * SAVED_ITEM_WRITE_ITEM - The item can be updated.	
_links		Map of <a href="#">Link</a>		

### 3.17. SavedItemTypeResource

Represents a SavedItemType definition

Field Name	Required	Type	Description	Format
name		String		
description		String		
category		String		
_links		Map of <i>Link</i>		

### 3.18. *SessionModel*

API model of a session

Field Name	Required	Type	Description	Format
data	X	Object	JSON object containing the definition of the preference	

### 3.19. *UserDetailsResource*

Details about a user

Field Name	Required	Type	Description	Format
userId		String	Unique identifier	
userName		String	Username	
firstName		String	First name	
lastName		String	Last name	

### 3.20. *UserInformationModel*

Field Name	Required	Type	Description	Format
userUuid		String	The uuid of the owner of the new demo tag	

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