

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": "eyJhbGciOiJSUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICJwcXZ1UXB...", 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
Path required	savedItemId	The saved item for which to create the access rule	String
Body required	SavedItemAccessRuleModel	The access rule model.	[SavedItemAccessRuleModel]

Responses

HTTP Code	Description	Schema
404	The resource was not found	AccessRuleResource
201	Created	AccessRuleResource
400	Validation failed	AccessRuleResource
401	Unauthorized	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
Path required	savedItemId	The saved item to which the access rule apply	String
Path required	accessRuleId	The identifier of the access rule to delete	UUID

Responses

HTTP Code	Description	Schema
204	No response	String

404	The resource was not found	String
400	Validation failed	String
401	Unauthorized	String

Produces

- application/json

2.1.3. Get the access rules for a saved item.

GET /saveditem/{savedItemId}/accessrule

Parameters

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

Responses

HTTP Code	Description	Schema
200	OK	List[[AccessRuleResource]]
404	The resource was not found	List[[AccessRuleResource]]
400	Validation failed	List[[AccessRuleResource]]
401	Unauthorized	List[[AccessRuleResource]]

Produces

- application/json

2.2. AdministrativeTile

2.2.1. Add an image

POST /administrative-tile/image

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	type	The mimeType of the image.	

Responses

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

403	Forbidden	ErrorMessage
200	Ok	
404	Resource(s) not found!	
401	Unauthorized	

Produces

- /

2.2.2. Delete the image

DELETE /administrative-tile/image

Parameters

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

Responses

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

2.2.3. Retrieve a administrative tile

GET /administrative-tile

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	ignoreExpirationTime	Ignore the expiration time	

Responses

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

Produces

- application/json

2.2.4. Retrieve the image of the administrative tile

GET /administrative-tile/image

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	ignoreExpirationTime	Ignore the expiration time	

Responses

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

Produces

- /

2.2.5. Update administrative tile

PUT /administrative-tile

Parameters

Type	Name	Description	Schema
Body <i>required</i>	AdministrativeTileModel	A model of the item to create	[AdministrativeTileModel]

Responses

HTTP Code	Description	Schema
200	Ok	AdministrativeTile
403	Forbidden	AdministrativeTile
400	Validation failed	AdministrativeTile

Produces

- application/json

2.3. HomeFolders

2.3.1. Delete home folder and all children items

DELETE /homefolder/{id}

Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the home folder that will be removed	UUID

Responses

HTTP Code	Description	Schema
204	No content	Object
501	Not yet implemented!	Object
403	Forbidden	Object
404	Resource(s) not found!	Object

Produces

- /

2.3.2. Retrieve a list of users home folders

POST /homefolder/search

Parameters

Type	Name	Description	Schema
Body <i>required</i>	SearchHomeFolderRequest	The request API model containing search home folder request and pageable	[SearchHomeFolderRequest]

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelHomeFolderResource
501	Not yet implemented!	PagedModelHomeFolderResource
403	Forbidden	PagedModelHomeFolderResource
404	Resource(s) not found!	PagedModelHomeFolderResource

Produces

- application/hal+json

2.4. Permissions

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

GET /permissions

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	saved-item-identifier	The identifier of the saved item to fetch permissions. This can be omitted for complex-item-identifier.	
Query <i>optional</i>	complex-item-identifier	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
200	Ok	PermissionsResource
403	Forbidden	PermissionsResource
404	Resource not found	PermissionsResource

Produces

- application/json

2.5. Preferences

2.5.1. Create a new preference

POST /preferences

Parameters

Type	Name	Description	Schema
Body <i>required</i>	PreferenceModel	A representation of a preference with name and data to create	[PreferenceModel]

Responses

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

Produces

- application/json

2.5.2. Delete an existing preference for the logged in user

DELETE /preferences/{name}

Parameters

Type	Name	Description	Schema
Path required	name	The name of an existing preference to delete	String

Responses

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

Produces

- application/json

2.5.3. Retrieve an existing preference for the logged in user

GET /preferences/{name}

Parameters

Type	Name	Description	Schema
Path required	name	The name of an existing preference to retrieve	String

Responses

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

200	Ok	PreferenceResource
404	Resource(s) not found!	PreferenceResource
401	Unauthorized	PreferenceResource

Produces

- application/json

2.5.4. Retrieve all preferences for the logged in user

GET /preferences

Parameters

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

Responses

HTTP Code	Description	Schema
200	Ok	List[[PreferenceResource]]
401	Unauthorized	List[[PreferenceResource]]

Produces

- application/json

2.5.5. Store a list of preferences

POST /preferences/store

Parameters

Type	Name	Description	Schema
Body <i>required</i>	PreferenceModel	A list of preferences to store	[PreferenceModel]

Responses

HTTP Code	Description	Schema
200	Ok	List[[PreferenceResource]]
400	Validation failed	List[[PreferenceResource]]
401	Unauthorized	List[[PreferenceResource]]

Produces

- application/json

2.5.6. Update a preference

PUT /preferences/{name}

Parameters

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

Responses

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

Produces

- application/json

2.6. SavedItemFavorites

2.6.1. Favorite a saved item for the logged in user

POST /favorite

Parameters

Type	Name	Description	Schema
Body <i>required</i>	SavedItemFavoriteModel	A model of the item to create	[SavedItemFavoriteModel]

Responses

HTTP Code	Description	Schema
200	Ok	SavedItemFavoriteResource

403	Forbidden	SavedItemFavoriteResource
404	Resource not found!	SavedItemFavoriteResource

Produces

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

2.6.2. List all the favorited saved items for the logged in user

GET /favorite

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	query	A query string to search. Only the name and description of the saved item are searched. Wildcards (*) are supported on all locations.	
Query <i>optional</i>	excludeTypes	A list of saved item types. These types will be excluded from the result.	
Query <i>optional</i>	includeTypes	A list of saved item types. The result will only contain these types.	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelSavedItemResource

400	Validation failed	PagedModelSavedItemResource
-----	-------------------	-----------------------------

Produces

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

2.6.3. Unfavorite a saved item for the logged in user

DELETE /favorite/{savedItemId}

Parameters

Type	Name	Description	Schema
Path required	savedItemId	The identifier of the saved item that needs to be unfavorited. This identifier should be a valid UUID.	String

Responses

HTTP Code	Description	Schema
204	No response	String
403	Forbidden	String
404	Resource not found!	String

Produces

- application/json

2.7. SavedItemTypes

2.7.1. Retrieves the details of the specified type

GET /saveditemtype/{id}

Parameters

Type	Name	Description	Schema
Path required	id	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

2.7.2. 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

2.8. SavedItems

2.8.1. Browse the contents of a folder

GET /saveditem/browse

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	parent	The identifier of the folder you want to browse	
Query <i>optional</i>	excludeTypes	A list of saved item types. These types will be excluded from the result.	
Query <i>optional</i>	includeTypes	A list of saved item types. The result will only contain these types.	
Query <i>optional</i>	includeData	Set to true to include the full data object in the result. Defaults to false	

Query <i>optional</i>	foldersOnly	Set to true to only return folders.	
Query <i>optional</i>	homeFolderByUserId	Used to find the home folder by id of user	
Query <i>optional</i>	resolveMostRecentLastUsedInformation	Used to show most recent usage time, instead of time, when user used it	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

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

Produces

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

2.8.2. Copy an existing saved item.

POST /saveditem/{id}/copy

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the existing saved item that will be copied	String

Body <i>required</i>	SavedItemModel	The API model containing the changes to apply to the copied saved item. Only the name and/or description can be changed	[SavedItemModel]
--------------------------------	-----------------------	---	----------------------------------

Responses

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

Produces

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

2.8.3. Create a new saved item

POST /saveditem

Parameters

Type	Name	Description	Schema
Body <i>required</i>	SavedItemModel	A model of the item to create	[SavedItemModel]

Responses

HTTP Code	Description	Schema
201	Created	SavedItemResource
400	Validation failed	SavedItemResource

Produces

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

2.8.4. Delete saved item(s)

DELETE /saveditem/{id}

Parameters

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

Responses

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

Produces

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

GET */saveditem/allowed-access*

===== Parameters

Type	Name	Description	Schema
Query <i>optional</i>	user		
Query <i>required</i>	permission		
Query <i>required</i>	type		

===== Responses

HTTP Code	Description	Schema
200	OK	ComplexIdList

===== Produces

- application/json

==== Retrieve the full path of a saved item; including the saved item itself **GET** */saveditem/{id}/path*

===== Parameters

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

Path required	id	The identifier of the saved item who's full path needs to be retrieved. This identifier should be a valid UUID.	String
Query <i>optional</i>	startingPosition	The identifier of the saved item from which we will start to build the path	

==== Responses

HTTP Code	Description	Schema
200	Ok	List[[PathComponentResource]]
403	Forbidden	List[[PathComponentResource]]
404	Resource not found!	List[[PathComponentResource]]

==== Produces

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

==== Retrieve a saved item **GET** /saveditem/{id}

==== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the saved item to retrieve. This identifier should be a valid UUID.	String
Query <i>optional</i>	updateLastUsedInformation	Optionally set this to false to not have the opening logged into LastUsedInformation. Defaults to true	

==== Responses

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

==== Produces

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

==== Get hal links to saved items **GET** /saveditem

===== Parameters

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

===== Responses

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

===== Produces

- application/hal+json

==== Move saved item(s) to a folder **PUT** /saveditem/{id}/move

===== Parameters

Type	Name	Description	Schema
Path required	id		List
Query <i>optional</i>	destination	The identifier of the destination folder.	

===== Responses

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

===== Produces

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

==== Patch a saved item **PATCH** /saveditem/{id}

===== Parameters

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

Path required	id	The identifier of the saved item that will be patched	String
Body required	SavedItemModel	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	[SavedItemModel]

==== Responses

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

==== Produces

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

==== Search saved items **GET** [/saveditem/search](#)

==== Parameters

Type	Name	Description	Schema
Query required	query	A query string to search. Only the name and description of the saved item are searched. Wildcards (*) are supported on all locations.	
Query optional	excludeTypes	A list of saved item types. These types will be excluded from the result.	
Query optional	includeTypes	A list of saved item types. The result will only contain these types.	
Query optional	includeData	Set to true to include the full data object in the result. Defaults to false	
Query optional	sharedWithMe	Set to true to filter the results to only show items that are shared with the logged in user. Defaults to false	

Query <i>optional</i>	includeSharedWithMe	Set to true to also include items in the results, that are shared with the logged in user. Defaults to false	
Query <i>optional</i>	parent	Needed as entry point for the search. If not provided, the search will start from the top level folder.	
Query <i>optional</i>	homeFolderByUserId	Used to find the home folder by id of user	
Query <i>optional</i>	resolveMostRecentLastUsed Information	Used to show most recent usage time, instead of time, when user used it	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelSavedItemResource
400	Validation failed	PagedModelSavedItemResource

==== Produces

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

==== Transfer the ownership of a saved item **POST** /saveditem/{id}/transfer-ownership

==== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the saved item that will be changing owner	String

Body <i>required</i>	SavedItemTransferOwnershipModel	The API model containing the details of the new owner.	[SavedItemTransferOwnershipModel]
--------------------------------	--	--	---

==== Responses

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

==== Produces

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

==== Update a saved item **PUT** `/saveditem/{id}`

==== Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the saved item that will be updated	String
Body <i>required</i>	SavedItemModel	The API model containing the changes to apply to the saved item.	[SavedItemModel]

==== Responses

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

==== Produces

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

=== SavedItemsDemo

==== Create demo saved items for a (new) user **POST** `/saveditem/demo`

==== Parameters

Type	Name	Description	Schema
Body <i>required</i>	UserInfoModel		[UserInfoModel]

==== Responses

HTTP Code	Description	Schema
201	Created	Object
400	Validation failed	Object

==== Produces

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

=== SavedItemsExportImport

==== Export saved items **GET** /export

==== Parameters

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

==== Responses

HTTP Code	Description	Schema
200	Ok	Object
403	Forbidden	Object

==== Produces

- /

==== 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

- /

==== Import saved items **POST /import**

===== Parameters

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

===== Responses

HTTP Code	Description	Schema
200	Ok	ImportResult
403	Forbidden	ImportResult

===== Produces

- /

=== Schedule

==== Creates new schedule **POST /schedule**

===== Parameters

Type	Name	Description	Schema
Body <i>required</i>	ScheduleModel	A representation of a schedule to create	[ScheduleModel]

===== Responses

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

===== Produces

- application/json

==== Delete schedule by it's id **DELETE** /schedule/{id}

===== Parameters

Type	Name	Description	Schema
Path required	id	The id of schedule we trying to delete	UUID

===== Responses

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

===== Produces

- /

==== Returns the schedule requested by it's id **GET** /schedule/{id}

===== Parameters

Type	Name	Description	Schema
Path required	id	The id of schedule we trying to get	UUID

===== Responses

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

===== Produces

- application/json

==== Returns a list of schedules present in the system **GET** /schedule

===== Parameters

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

Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc desc).	Default sort order is ascending. Multiple sort criteria are supported.

==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelScheduleResource

==== Produces

- application/json

==== Update schedule **PUT** /schedule/{id}

==== Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The id of schedule we trying to update	UUID
Body <i>required</i>	ScheduleModel	A representation of a schedule to with new values	[ScheduleModel]

==== Responses

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

==== Produces

- application/json

=== Sessions

==== Create a new session **POST** `/sessions`

===== Parameters

Type	Name	Description	Schema
Body <i>required</i>	SessionModel	A session containing valid JSON data	[SessionModel]

===== Responses

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

===== Produces

- application/json

==== Delete an existing session **DELETE** `/sessions/{identifier}`

===== Parameters

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

===== Responses

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

===== Produces

- application/json

==== Retrieve a session **GET** `/sessions/{identifier}`

===== Parameters

Type	Name	Description	Schema
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Path required	identifier	The short url identifier of the session to retrieve	String
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===== Responses

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

===== Produces

- application/json

==== Get a session by viewId **GET /sessions**

===== Parameters

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

===== Responses

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

===== Produces

- application/json

=== TransferResults

==== Get a list of all the transfer of ownership results **GET /transferresults**

===== Parameters

Type	Name	Description	Schema
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	

Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc desc). Default sort order is ascending. Multiple sort criteria are supported.
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==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelTransferOwnershipResultResource
403	Forbidden	PagedModelTransferOwnershipResultResource

==== Produces

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

=== WeekSetting

==== Retrieve information about current week setting **GET** /week-setting

==== Parameters

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

==== Responses

HTTP Code	Description	Schema
200	Ok	WeekSetting
401	Unauthorized	WeekSetting

==== Produces

- application/json

==== Update week setting **PUT** /week-setting

==== Parameters

Type	Name	Description	Schema
Body <i>required</i>	WeekSettingModel	A model of the setting to update	[WeekSetting Model]

==== Responses

HTTP Code	Description	Schema
200	Ok	WeekSetting
403	Forbidden	WeekSetting

==== Produces

- application/json

== Models

=== *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 [string]	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, EVERYONE, GUEST.	<i>Enum:</i> GUEST, EVERYONE, GROUP, USER,
permissions	X	Set of [string]	A set of permissions the subject has on the specified object. Can be an empty set.	<i>Enum:</i>
userDetailsResource		UserDetailsResource		
_links		Map of [Link]		

=== *AdministrativeTile*

API model of the administrative tile

Field Name	Required	Type	Description	Format
messageTitle		String	A message title for administrative tile	
messageParagraph		String	A message paragraph for administrative tile	
contactInformation		String	A contact information for administrative tile	

Field Name	Required	Type	Description	Format
lastModifiedDate		Date	A last modified time for administrative tile	date-time
isActive		Boolean	A flag to indicate if administrative tile is active	
expirationTime		Date	Expiration time	date-time
_links		Map of Link		

=== *AdministrativeTileModel*

Field Name	Required	Type	Description	Format
messageTitle		String	A message title for administrative tile	
messageParagraph		String	A message paragraph for administrative tile	
contactInformation		String	A contact information for administrative tile	
isActive		Boolean	A flag to indicate if administrative tile is active	
expirationTime		Date	Expiration time	date-time

=== *CollectionModelSavedItemTypeResource*

Field Name	Required	Type	Description	Format
_embedded		CollectionModelSavedItemTypeResource__embedded		
_links		Map of Link		

=== *CollectionModelSavedItemTypeResourceEmbedded*

Field Name	Required	Type	Description	Format
savedItemTypeResourceList		List of [SavedItemTypeResource]		

=== *ComplexIdList*

Field Name	Required	Type	Description	Format
complexItemIds		List of [string]		

=== *DeletedItemsResource*

Object to describe the saved items that were deleted

Field Name	Required	Type	Description	Format
identifiers		List of [string]	The identifiers of the deleted items	
_links		Map of [Link]		

=== *ErrorMessage*

Represents a tm-context exception

Field Name	Required	Type	Description	Format
statusCode		HttpStatusCode		
errorCode		String	The specific error code of the exception	
message		String	The exception message	
details		Object	The details of the exception	

=== *HomeFolderResource*

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.	Enum: 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, CUSTOM_CALCULATION

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 [object]	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 "includeData" in the request URL.	
extendedViewProperties		Map of [string]	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.	
favorite		Boolean	true if the saved item is favorited; 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 [string]	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.	
lastUsedInformation		LastUsedInformationResource		

Field Name	Required	Type	Description	Format
complexId		String	The UUID of the complex identifier where the complex data of the saved item can be found.	
_links		Map of [Link]		

=== *HttpStatusCode*

The httpStatus code of the exception

Field Name	Required	Type	Description	Format
error		Boolean		
is4xxClientError		Boolean		
is5xxServerError		Boolean		
is1xxInformational		Boolean		
is2xxSuccessful		Boolean		
is3xxRedirection		Boolean		

=== *ImportFailure*

Field Name	Required	Type	Description	Format
fileLocation		String		
typeOfFailure		String		
message		String		
itemIdentifier		String		
itemName		String		
itemType		String		
itemLocation		List of [string]		

=== *ImportResult*

Field Name	Required	Type	Description	Format
identifier		UUID		uuid
inProgress		Boolean		
startTime		String		
endTime		String		
severeFailure		ImportFailure		

Field Name	Required	Type	Description	Format
totalOfItemsSuccessfullyImported		Integer		int32
totalOfItemsFailedToImport		Integer		int32
totalOfSkippedItems		Integer		int32
totalOfReplacedItems		Integer		int32
failureDetails		List of [ImportFailure]		
itemsSkipped		List of [string]		
itemsReplaced		List of [string]		

=== *LastUsedInformationResource*

Details about the way a saved item was last used

Field Name	Required	Type	Description	Format
timestamp		Date	Time of last interaction	date-time
type		String	Type of interaction	<i>Enum:</i> CREATE, OPENED, MODIFIED, SHARED, ,

=== *Link*

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

=== *LocalTime*

The start time of schedule.

Field Name	Required	Type	Description	Format
hour		Integer		int32
minute		Integer		int32
second		Integer		int32
nano		Integer		int32

=== *PageMetadata*

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

=== *PagedModelHomeFolderResource*

Field Name	Required	Type	Description	Format
_embedded		PagedModelHomeFolderResource__embedded		
_links		Map of [Link]		
page		PageMetadata		

=== *PagedModelHomeFolderResourceEmbedded*

Field Name	Required	Type	Description	Format
content		List of [HomeFolderResource]		

=== *PagedModelSavedItemResource*

Field Name	Required	Type	Description	Format
_embedded		PagedModelSavedItemResource__embedded		
_links		Map of [Link]		

Field Name	Required	Type	Description	Format
page		PageMetadata		

=== *PagedModelSavedItemResourceEmbedded*

Field Name	Required	Type	Description	Format
content		List of [SavedItemResource]		

=== *PagedModelScheduleResource*

Field Name	Required	Type	Description	Format
_embedded		PagedModelScheduleResource_embedded		
_links		Map of [Link]		
page		PageMetadata		

=== *PagedModelScheduleResourceEmbedded*

Field Name	Required	Type	Description	Format
content		List of [ScheduleResource]		

=== *PagedModelTransferOwnershipResultResource*

Field Name	Required	Type	Description	Format
_embedded		PagedModelTransferOwnershipResultResource_embedded		
_links		Map of [Link]		
page		PageMetadata		

=== *PagedModelTransferOwnershipResultResourceEmbedded*

Field Name	Required	Type	Description	Format
transferOwnershipResultResourceList		List of [TransferOwnershipResultResource]		

=== *PathComponentResource*

The definition of a path component = subset of a savedItem resource

Field Name	Required	Type	Description	Format
identifier		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.	

Field Name	Required	Type	Description	Format
type		String	The type of the saved item.	Enum: 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, CUSTOM_CALCULATION

Field Name	Required	Type	Description	Format
folder		Boolean	true if the saved item is a folder; false otherwise.	
name		String	The name of the saved item.	
description		String	The description of the saved item.	
_links		Map of Link		

=== *PermissionsResource*

Describes a list of permissions

Field Name	Required	Type	Description	Format
permissions		List of string	The list of permissions	
owner		String	username that owns this item	
ownerId		String	userid that owns this item	
_links		Map of Link		

=== *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	

=== *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 Link		

=== *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	
subjectType	X	String	The type of the subject	<i>Enum:</i> GUEST, EVERYONE, GROUP, USER,
permissions	X	Set of [string]	The set of permissions	<i>Enum:</i>
autoGenerated		Boolean		

=== *SavedItemFavoriteModel*

API model for favoriting a saved item

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

=== *SavedItemFavoriteResource*

A reference to a saved item

Field Name	Required	Type	Description	Format
savedItemIdentifier		String	The identifier of the related saved item. This identifier is a UUID.	
_links		Map of [Link]		

=== *SavedItemHalResource*

The response containing HAL links for a saved item

Field Name	Required	Type	Description	Format
_links		Map of [Link]		

=== *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.	

Field Name	Required	Type	Description	Format
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.	Enum: 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, CUSTOM_CALCULATION

Field Name	Required	Type	Description	Format
name	X	String	The name of the savedItem	
description		String	The description of the savedItem	
data		Map of [object]	A Json Object representing the content of the saved item. This content is specific to the saved item type.	
extendedViewProperties		Map of [string]	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.	

=== *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.	Enum: 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, CUSTOM_CALCULATION

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 [object]	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 "includeData" in the request URL.	
extendedViewProperties		Map of [string]	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.	
favorite		Boolean	true if the saved item is favorited; 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 [string]	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.	
lastUsedInformation		LastUsedInformationResource		

Field Name	Required	Type	Description	Format
complexId		String	The UUID of the complex identifier where the complex data of the saved item can be found.	
_links		Map of Link		

=== *SavedItemTransferOwnershipModel*

API model for changing the owner of a saved item

Field Name	Required	Type	Description	Format
transferee		String	The identifier of the new owner. This identifier is a UUID.	

=== *SavedItemTypeResource*

Represents a SavedItemType definition

Field Name	Required	Type	Description	Format
name		String		
description		String		
category		String		
_links		Map of Link		

=== *ScheduleModel*

Field Name	Required	Type	Description	Format
identifier		UUID	The identifier of the schedule.	uuid
timeZone	X	ScheduleModel_timeZone		

Field Name	Required	Type	Description	Format
startDay	X	String	Start day of schedule.	<i>Enum:</i> MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY,
name	X	String	The name of the schedule.	
startTime	X	LocalTime		
numberOfWorkingDays	X	Integer	The number of working days in schedule.	int32
nameOfShifts	X	List of [string]	Name of shifts in schedule.	
type	X	String	Type of schedule.	<i>Enum:</i> FIXED,
duration	X	String	Duration of shift.	<i>Enum:</i> 4H, 6H, 8H, 12H,

=== *ScheduleModelTimeZone*

The time zone of the schedule.

Field Name	Required	Type	Description	Format
id		String		
rules		ScheduleModel_timezone_rules		

=== *ScheduleModelTimeZoneRules*

Field Name	Required	Type	Description	Format
fixedOffset		Boolean		
transitions		List of [ScheduleModel_timezone_rules_transitions]		

Field Name	Required	Type	Description	Format
transitionRules		List of [ScheduleModel_timezone_rules_transitionRules]		

=== *ScheduleModelTimeZoneRulesDuration*

Field Name	Required	Type	Description	Format
seconds		Long		int64
zero		Boolean		
nano		Integer		int32
negative		Boolean		
units		List of [ScheduleModel_timezone_rules_duration_units]		

=== *ScheduleModelTimeZoneRulesDurationUnits*

Field Name	Required	Type	Description	Format
durationEstimated		Boolean		
timeBased		Boolean		
dateBased		Boolean		

=== *ScheduleModelTimeZoneRulesOffsetBefore*

Field Name	Required	Type	Description	Format
totalSeconds		Integer		int32
id		String		

=== *ScheduleModelTimeZoneRulesTransitionRules*

Field Name	Required	Type	Description	Format
month		String		<i>Enum:</i> JANUARY, FEBRUARY, MARCH, APRIL, MAY, JUNE, JULY, AUGUST , SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER,
timeDefinition		String		<i>Enum:</i> UTC, WALL, STANDARD,
standardOffset		ScheduleModel_timeZone_rules_offsetBefore		
offsetBefore		ScheduleModel_timeZone_rules_offsetBefore		
offsetAfter		ScheduleModel_timeZone_rules_offsetBefore		
dayOfWeek		String		<i>Enum:</i> MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY,

Field Name	Required	Type	Description	Format
dayOfMonthIndicator		Integer		int32
localTime		LocalTime		
midnightEndOfDay		Boolean		

=== ScheduleModelTimeZoneRulesTransitions

Field Name	Required	Type	Description	Format
offsetBefore		ScheduleModel_timeZone_rules_offsetBefore		
offsetAfter		ScheduleModel_timeZone_rules_offsetBefore		
duration		ScheduleModel_timeZone_rules_duration		
gap		Boolean		
dateTimeAfter		Date		date-time
dateTimeBefore		Date		date-time
instant		Date		date-time
overlap		Boolean		

=== ScheduleResource

Represents a schedule definition

Field Name	Required	Type	Description	Format
identifier		UUID	The identifier of the schedule.	uuid
timeZone	X	ScheduleResource_timeZone		

Field Name	Required	Type	Description	Format
startDay	X	String	Start day of schedule.	<i>Enum:</i> MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY,
name	X	String	The name of the schedule.	
startTime	X	LocalTime		
numberOfWorkingDays	X	Integer	The number of working days in schedule.	int32
nameOfShifts	X	List of [string]	Name of shifts in schedule.	
type	X	String	Type of schedule.	<i>Enum:</i> FIXED,
duration	X	String	Duration of shift.	<i>Enum:</i> 4H, 6H, 8H, 12H,
_links		Map of [Link]		

=== *ScheduleResourceTimeZone*

The time zone of the schedule.

Field Name	Required	Type	Description	Format
id		String		
rules		ScheduleModel_timezone_rules		

=== *SearchHomeFolderRequest*

Field Name	Required	Type	Description	Format
userId		List of [UUID]	Collection of user identifiers for searching for their home folders	uuid

=== *SessionModel*

API model of a session

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

=== *TransferOwnershipResultResource*

Represents the result of an ownership transfer of a SavedItem

Field Name	Required	Type	Description	Format
savedItemId		UUID	The identifier of the saved item. This identifier is a UUID.	uuid
initiator		UUID	The identifier of the transfer initiator. This identifier is a UUID.	uuid
transferor		UUID	The identifier of the original owner of the saved item. This identifier is a UUID.	uuid
transferee		UUID	The identifier of the new owner of the saved item. This identifier is a UUID.	uuid
status		String	The status that resulted from the transfer of ownership action.	Enum: SUCCESS, FAILED,
_links		Map of Link		

=== *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	

=== *UserInformationModel*

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

=== *WeekSetting*

API model of the week setting

Field Name	Required	Type	Description	Format
startOfWeek		String	Start day of week	<i>Enum:</i> MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY,
startOfWorkweek		String	Start day of workweek	<i>Enum:</i> MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY,
workweekDuration		Integer	Duration of workweek	int32
_links		Map of Link		

=== *WeekSettingModel*

Field Name	Required	Type	Description	Format
startOfWeek		String	Start of week	<i>Enum:</i> MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY,
startOfWorkweek		String	Start of workweek	<i>Enum:</i> MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY, SATURDAY, SUNDAY,
workweekDuration		Integer	Duration of workweek	int32

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