
OpenEMPI Entity REST API

Developers Guide



OpenEMPI REST API: Developers Guide

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Overview

This is the Programmers Manual for the OpenEMPI REST API. It contains detailed instructions on how to use the REST API.

Version information

Version : 4.0.3

Contact information

Contact Email : support@sysnetint.com

License information

Terms of service : Contact us at support@sysnetint.com

URI scheme

BasePath : /openempi-manager/openempi-ws-rest/

Tags

- **Audit Events Resource** : This resource provides access to audit events that have been generated by the system during its operation.
- **Blocking Configuration Resource** : This resource is used to manage the configuration of the blocking service.
- **Custom Fields Resource** : This resource is used to manage the definition of custom fields. Custom fields extend the data model with features engineered to support a specific function.
- **Data Profile Resource** : This resource is used to manage data profiles. A data profile describes the quality and other characteristics of the data in your repository.
- **Deterministic Matching Configuration Resource** : This resource is used to manage the configuration of the deterministic matching algorithm. You can use this resource to retrieve and modify the matching configuration of your instance for a particular entity.
- **Entities Resource** : This resource is used to manage the entities of your instance of OpenEMPI. After first installing the software, you instance will have a single entity named 'person'.
- **Entity Attribute Groups Resource** : This resource is used to manage the attribute groups that are associated with an entity on your instance. Entity groups allow you to visually group together attributes of an entity. For example, the group address could be used to group together all attributes of a person entity that describe the address of the person.
- **Entity Attributes Resource** : This resource is used to manage the attributes that are associated with an entity on your instance.
- **File Resource** : This resource is used to manage user files used to import and export data. You can use this resource to upload a file onto the server.
- **Identifier Domains Resource** : This resource is used to manage the identifier domains (also known as assigning authorities) that assign identifiers.
- **Notifications Resource** : This resource is used to manage the notifications that are generated by your OpenEMPI instance.
- **PIX/PDQ Service Resource** : Resource for interacting with the HL7v2 PIX/PDQ service.
- **Person Manager Resource** : Legacy interface for managing patient demographic records.
- **Person Query Resource** : Legacy interface for querying patient demographic records.
- **Probabilistic Matching Configuration Resource** : This resource is used to manage the configuration of the probabilistic matching algorithm. You can use this resource to retrieve and modify the matching configuration of your instance for a particular entity.
- **Record Links Resource** : This resource is used to manage the inks between records that establish associations between records.
- **Records Resource** : This resource is used to manage the records for each entity that OpenEMPI is deduplicating.

- Security Manager Resource : The authentication, authorization and security management service.
- Security Resource : The authentication and authorization service (legacy version).
- String Comparators Resource : This resource is used to access the functions that measure similarity between string values and effectively, the similarity between fields values in two records.
- Synonyms Resource : This resource manages lists of values that are considered to be synonyms of each other. These values can be used to improve the matching rate between records where the values are not similar syntactically but represent the same entity (Bob and Robert).
- Transformation Functions Resource : This resource provides access to the transformation functions supported by OpenEMPI. The transformation functions are used to generate custom fields.

Resources

Audit Events Resource

This resource provides access to audit events that have been generated by the system during its operation.

Get the list of audit event.

```
GET /{versionId}/audit-events
```

Description

This endpoint allows you to retrieve the list of audit events that satisfy the request criteria specified in the request. You may filter the list of audit events returned using the start date, end date, and event types. The endpoint also allows you to page through the requests using the paging parameters. The start and end dates should be in the format YYYYMMDD and the event types should be specified as a comma separated list of event type codes (e.g.: 101,102).

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	endDate <i>optional</i>	string	
Query	entityId <i>required</i>	integer (int32)	
Query	eventTypes <i>optional</i>	string	
Query	firstResult <i>optional</i>	integer (int32)	0
Query	maxResults <i>optional</i>	integer (int32)	100
Query	startDate <i>optional</i>	string	

Responses

HTTP Code	Description	Schema
200	Returns the list of audit events that matched the request criteria	< AuditEventType > array
400	The request was invalid	No Content
404	There is no such entity in the system	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the list of audit event types.

```
GET /{versionId}/audit-events/types
```

Description

This endpoint allows you to retrieve the list of audit event types that the system records

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of audit event types	< AuditEventType > array

HTTP Code	Description	Schema
400	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Blocking Configuration Resource

This resource is used to manage the configuration of the blocking service.

Get the blocking service configuration

```
GET /{versionId}/blocking-configuration
```

Description

This endpoint allows you to retrieve the current configuration of the blocking service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the blocking service configuration.	BlockingConfiguration

HTTP Code	Description	Schema
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Update the blocking service configuration

```
PUT /{versionId}/blocking-configuration
```

Description

This endpoint allows you to update the current configuration of the blocking service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	<code>BlockingConfiguration</code>	

Responses

HTTP Code	Description	Schema
200	Returns the updated blocking service configuration.	<code>BlockingConfiguration</code>

HTTP Code	Description	Schema
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Rebuild the blocking algorithm indexes

PUT `/v{versionId}/blocking-configuration/indexes`

Description

This endpoint allows you to rebuild the indexes that the blocking algorithm uses to speed up the generation of record/block association information. This needs to be done when the configuration of the blocking rounds changes.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	JobEntry
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Custom Fields Resource

This resource is used to manage the definition of custom fields. Custom fields extend the data model with features engineered to support a specific function.

Add a new custom field definition

```
POST /{versionId}/custom-fields
```

Description

This endpoint allows you to define a new custom field.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Type	Name	Schema	Default
Query	entityId <i>required</i>	integer (int32)	
Body	body <i>required</i>	CustomField	

Responses

HTTP Code	Description	Schema
200	Retuns the custom field that was added.	CustomField
400	No such entity was found	No Content
404	The custom field definition is invalid	No Content
500	Unable to create the custom field	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve the list of custom fields of an entity

```
GET /{versionId}/custom-fields
```

Description

This endpoint allows you to retrieve the list of custom fields defined in association with an entity that is located by its unique identifier.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the list of custom fields in an entity.	< CustomField > array
400	No such entity or no custom field was found	No Content
404	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Retrieve the custom field by name

```
GET /{versionId}/custom-fields/name/{name}
```

Description

This endpoint allows you to retrieve the definition of a custom field by its unique field name.

Parameters

Type	Name	Schema	Default
Path	name <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the custom field definition.	CustomField
400	No such entity or no custom field was found	No Content
404	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Generate custom fields for all records

```
PUT /{versionId}/custom-fields/records
```

Description

This endpoint allows you to regenerate the values for all custom fields currently defined against all the records in the repository. The response from the request is a job entry that refers to the job that was created to handle the regeneration of the custom fields for all records in an asynchronous manner.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	JobEntry
400	No such entity was found	No Content
404	The request is invalid	No Content
500	Unable to initialize a job to generate custom fields	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve the custom field by id

```
GET /{versionId}/custom-fields/{id}
```

Description

This endpoint allows you to retrieve the definition of a custom field by its id.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the custom field definition.	CustomField
400	The request was invalid	No Content
404	No such entity or no custom field was found	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update a custom field definition

```
PUT /{versionId}/custom-fields/{id}
```

Description

This endpoint allows you to update a custom field and modify the transformation function used or the parameters and values of the transformation function.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Body	body <i>required</i>	CustomField	

Responses

HTTP Code	Description	Schema
200	Retuns the custom field that was updated.	CustomField
400	No such entity was found	No Content
404	The custom field definition is invalid	No Content
500	Unable to update the custom field	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Delete a custom field

DELETE /{versionId}/custom-fields/{id}

Description

This endpoint allows you to delete a previously defined custom field by its id.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the custom field that was deleted.	CustomField
400	The request is invalid	No Content
404	No such entity or custom field was found	No Content
500	Unable to delete the custom field	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Data Profile Resource

This resource is used to manage data profiles. A data profile describes the quality and other characteristics of the data in your repository.

Generate a data profile against an entity

```
POST /{versionId}/data-profiles
```

Description

Use this endpoint to generate a data profile based on data that is present in the repository for a specific entity definition. For example, you can generate a data profile for the data loaded on the default person entity by providing the `entityId` for the person entity.

Parameters

Type	Name	Description	Schema	Default
Path	versionId <i>required</i>		string	"1.0"
Query	entityId <i>required</i>	The entity against which the data profile will be generated.	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Create a new data profile from data in the repository. The <code>entityId</code> parameter specifies the entity against which the data profile will be generated.	JobEntry
400	The <code>entityId</code> parameter is missing or invalid	No Content
404	No such entity was found	No Content
500	The server failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the list of generated data profiles

```
GET /{versionId}/data-profiles
```

Description

This endpoint allows you to retrieve the list of generated data profiles.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of data profiles.	< DataProfile > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found.	No Content
500	A server configuration issue caused the request to fail.	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Generate a data profile using data from a file

```
POST /{versionId}/data-profiles/file/{userFileId}
```

Description

Use this endpoint to generate a data profile based on data that is present in a user file.

Parameters

Type	Name	Description	Schema	Default
Path	userFileId <i>required</i>	The user file entry from which the data profile will be generated.	integer (int32)	
Path	versionId <i>required</i>		string	"1.0"

Responses

HTTP Code	Description	Schema
200	Create a new data profile from data in a user file. The file from which the data profile will be generated is referred to by the user file entry id.	JobEntry
400	The user file to be imported is either invalid or missing	No Content
404	No such file was found	No Content
500	The server failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the data profile

```
GET /{versionId}/data-profiles/{dataProfileId}
```

Description

This endpoint allows you to retrieve the data profile identified by its unique identifier.

Parameters

Type	Name	Schema	Default
Path	dataProfileId <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the requested data profile.	DataProfile
400	The request was invalid, missing required parameters	No Content
404	No such entity was found.	No Content
500	A server configuration issue caused the request to fail.	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Delete the data profile


```
DELETE /{versionId}/data-profiles/{dataProfileId}
```

Description

This endpoint allows you to delete the data profile identified by its unique identifier.

Parameters

Type	Name	Schema	Default
Path	dataProfileId <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the deleted data profile.	DataProfile
400	The request was invalid, missing required parameters	No Content
404	No such entity was found.	No Content
500	A server configuration issue caused the request to fail.	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the list of attributes of a data profile

```
GET /{versionId}/data-profiles/{dataProfileId}/attributes
```

Description

This endpoint allows you to retrieve the list of attributes for the generated data profile specified by the `dataProfileId` parameter.

Parameters

Type	Name	Schema	Default
Path	dataProfileId <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of data profile attributes.	< DataProfileAttribute > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found.	No Content
500	A server configuration issue caused the request to fail.	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the list of data profile attribute values

```
GET /{versionId}/data-profiles/{dataProfileId}/attributes/{attributeId}/values
```

Description

This endpoint allows you to retrieve the list of values that occur frequently for a given data profile attribute along with its frequency of occurrence for each such value. You must specify the data profile and the specific attributes whose frequent value distribution you want to receive.

Parameters

Type	Name	Schema	Default
Path	attributeId <i>required</i>	integer (int32)	
Path	dataProfileId <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of values of a data profile attribute values.	< DataProfileAttributeValue > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found.	No Content
500	A server configuration issue caused the request to fail.	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Deterministic Matching Configuration Resource

This resource is used to manage the configuration of the deterministic matching algorithm. You can use this resource to retrieve and modify the matching configuration of your instance for a particular entity.

Get the deterministic matching service configuration

```
GET /{versionId}/deterministic-matching/configuration
```

Description

This endpoint allows you to retrieve the current configuration of the deterministic matching service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the deterministic matching service configuration.	< object > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found or entity is configured using another algorithm	No Content
500	A server configuration issue caused the request to fail.	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update the deterministic matching configuration

```
PUT /{versionId}/deterministic-matching/configuration
```

Description

This endpoint allows you to update the current configuration of the deterministic matching service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	DeterministicMatchingConfiguration	

Responses

HTTP Code	Description	Schema
200	Returns the updated matching service configuration.	< DeterministicMatchingConfiguration > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found or entity is configured using another algorithm	No Content
500	A server configuration issue caused the request to fail.	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Initialize the classification model for the matching algorithm

```
PUT /{versionId}/deterministic-matching/model
```

Description

This endpoint allows you to initialize the classification model that the particular matching algorithm uses to make classification decisions. This needs to be done when the configuration of the matching algorithm is initially setup or when the configuration changes. Once the system is running in production you should not run this operation since it will overwrite any customization you have applied to the configuration of the matching algorithm.

Parameters

Type	Name	Schema	Default
Path	<code>versionId</code> <i>required</i>	string	"1.0"
Query	<code>entityId</code> <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	<code>JobEntry</code>
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Entities Resource

This resource is used to manage the entities of your instance of OpenEMPI. After first installing the software, your instance will have a single entity named 'person'.

Create a new entity

```
POST /{versionId}/entities
```

Description

Creates a new entity using the object provided in the body of the request.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	Entity	

Responses

HTTP Code	Description	Schema
200	Creates a new entity using the object provided in the body of the request.	Entity
400	The request was invalid	No Content
500	The server failed to process the request	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the list of entities known to the instance

```
GET /{versionId}/entities
```

Description

This endpoint allows you to retrieve the list of all known entities on this instance of OpenEMPI

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of entities known to the instance	< Entity > array
400	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Import an entity from an uploaded file

```
POST /{versionId}/entities/importFile/{userFileId}
```

Description

Use this endpoint to import an entity definition from a file. The file is referenced using its unique user file entry identifier.

Parameters

Type	Name	Description	Schema	Default
Path	userFileId <i>required</i>	The user file entry id from which the entity will be loaded.	integer (int32)	
Path	versionId <i>required</i>		string	"1.0"

Responses

HTTP Code	Description	Schema
200	Create a new entity by importing the definition of the entity from a file. The file from which the entity will be loaded from is referred to by the user file entry id.	Entity
400	The user file to be imported is either invalid or missing	No Content
404	No entities were found	No Content
500	The server failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the entity by its id

```
GET /{versionId}/entities/{id}
```

Description

This endpoint allows you to retrieve a specific entity definition using its unique identifier

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the entity and its definition using the unique identifier for the entity to look it up.	Entity
400	The request was invalid	No Content
404	No entities were found	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Update an entity entity

```
PUT /{versionId}/entities/{id}
```

Description

Update the entity definition identified by the id in the path using the information provided in the body of the request.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	Entity	

Responses

HTTP Code	Description	Schema
200	Returns the updated entity definition.	Entity
400	The request is invalid	No Content
404	No such entity was found	No Content
500	The server failed to process the request	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Delete the entity by its id

```
DELETE /{versionId}/entities/{id}
```

Description

This endpoint allows you to delete an entity definition using its unique identifier. Note that this will not delete the database directory that supports this entity and this must be done manually after the server has been shutdown.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Query	purge <i>optional</i>	boolean	"true"

Responses

HTTP Code	Description	Schema
200	Deletes the entity definition using its unique identifier to locate it.	Entity
400	The request was invalid	No Content
404	No entities were found	No Content
500	The server failed to process the request	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Create indexes for entity

```
POST /{versionId}/entities/{id}/indexes
```

Description

Creates indexes for the entity specified through the path parameter. The assumption is that the indexes were previously dropped or never existed.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the job created to handle the request.	JobEntry
400	The request is invalid	No Content
404	No such entity was found	No Content
500	The server failed to process the request	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Drop indexes for entity

```
DELETE /{versionId}/entities/{id}/indexes
```

Description

Drops indexes for the entity specified through the path parameter.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the job created to handle the request.	JobEntry
400	The request is invalid	No Content
404	No such entity was found	No Content
500	The server failed to process the request	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Entity Attribute Groups Resource

This resource is used to manage the attribute groups that are associated with an entity on your instance. Entity groups allow you to visually group together attributes of an entity. For example, the group address could be used to group together all attributes of a person entity that describe the address of the person.

Add a new attribute group to an entity definition

```
POST /{versionId}/entities/{id}/attribute-groups
```

Description

This endpoint allows you to add a new attribute group to an existing entity definition.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	EntityAttributeGroup	

Responses

HTTP Code	Description	Schema
200	Returns the entity attribute that was added.	EntityAttributeGroup
400	The request was invalid	No Content
404	No such entity or no attribute groups was found	No Content
409	An entity attribute group with this name already exists	No Content
500	Failed to process the request	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve the list of attribute groups of an entity

```
GET /{versionId}/entities/{id}/attribute-groups
```

Description

This endpoint allows you to retrieve the list of attribute groups in an entity that is located by its unique identifier.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of attribute groups in an entity.	< EntityAttributeGroup > array
400	The request was invalid	No Content

HTTP Code	Description	Schema
404	No such entity or no attribute groups was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Retrieve an entity attribute group

```
GET /{versionId}/entities/{id}/attribute-groups/{entityAttributeGroupId}
```

Description

This endpoint allows you to load the details of an attribute group in an entity that is located by entity identifier and entity attribute group identifier.

Parameters

Type	Name	Schema	Default
Path	entityAttributeGroupId <i>required</i>	integer (int32)	
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the entity attribute group.	EntityAttributeGroup
400	The request was invalid	No Content
404	No such entity or no attribute groups was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update an attribute group of an entity definition

```
PUT /{versionId}/entities/{id}/attribute-groups/{entityAttributeGroupId}
```

Description

This endpoint allows you to update an attribute group of an existing entity definition.

Parameters

Type	Name	Schema	Default
Path	entityAttributeGroupId <i>required</i>	integer (int32)	
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Type	Name	Schema	Default
Body	body <i>required</i>	EntityAttributeGroup	

Responses

HTTP Code	Description	Schema
200	Returns the entity attribute that was added.	EntityAttributeGroup
400	The attribute group could not be updated because the request was invalid	No Content
404	No such entity or no attribute groups was found	No Content
500	Failed to process the request	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Delete an entity attribute group

```
DELETE /{versionId}/entities/{id}/attribute-groups/{entityAttributeGroupId}
```

Description

This endpoint allows you to delete an attribute group in an entity that is located by entity identifier and entity attribute group identifier.

Parameters

Type	Name	Schema	Default
Path	entityAttributeGroupId <i>required</i>	integer (int32)	
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the entity attribute group that was deleted.	EntityAttributeGroup
400	The attribute group could not be deleted because the request was invalid	No Content
404	No such entity or no attribute groups was found	No Content
500	Failed to process the request	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Entity Attributes Resource

This resource is used to manage the attributes that are associated with an entity on your instance.

Add a new attribute to an entity definition

POST /{versionId}/entities/{id}/entity-attributes

Description

This endpoint allows you to add a new attribute to an existing entity definition.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	EntityAttribute	

Responses

HTTP Code	Description	Schema
200	Returns the entity attribute that was added.	EntityAttribute
400	The new attribute could not be added because it is invalid	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve the list of attributes of an entity

```
GET /{versionId}/entities/{id}/entity-attributes
```

Description

This endpoint allows you to retrieve the list of attributes in an entity that is located by its unique identifier.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of attributes in an entity.	< EntityAttribute > array
400	No such entity or no attributes was found	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve an attribute of an entity

```
GET /{versionId}/entities/{id}/entity-attributes/{attribId}
```

Description

This endpoint allows you to retrieve the definition of an entity attribute using the attribute's unique identifier.

Parameters

Type	Name	Schema	Default
Path	attribId <i>required</i>	integer (int32)	
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the attribute of an entity.	EntityAttribute
400	No such entity or no attributes was found	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Update an entity attribute

```
PUT /{versionId}/entities/{id}/entity-attributes/{attribId}
```

Description

This endpoint allows you to update the definition of an entity attribute.

Parameters

Type	Name	Schema	Default
Path	attribId <i>required</i>	integer (int32)	
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	EntityAttribute	

Responses

HTTP Code	Description	Schema
200	Returns the list of attributes in an entity.	< EntityAttribute > array
400	No such entity or no attributes were found	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

File Resource

This resource is used to manage user files used to import and export data. You can use this resource to upload a file onto the server.

Import a new file

POST `/api/v1/files`

Description

This endpoint allows you upload a new file onto the server, creating an instance of a file resource in the process

Parameters

Type	Name	Description	Schema	Default
Path	versionId <i>required</i>		string	"1.0"
FormDa ta	file <i>required</i>	file detail	string (binary)	

Responses

HTTP Code	Description	Schema
200	Returns the user file entry that was created	File
400	The request was invalid	No Content

Consumes

- `multipart/form-data`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve all the user file entries

```
GET /{versionId}/files
```

Description

This endpoint allows you to retrieve all the user file entries from the system

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the user file entries	< File > array
404	No user file entries were found	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Export an entity into a file

```
POST /{versionId}/files/entities/{id}
```

Description

This endpoint allows you to export an entity definition, creating a file in the process. This is useful for backing up the definition of an entity and may be used to either recreate the entity or create a clone of the entity after changing the name of the entity in the export file. The id refers to the entity that will be exported into a file.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the name of the file into which the entity definition was exported	No Content
400	The request failed probable due to inability to create the file.	No Content

Produces

- `text/plain`

Security

Type	Name
apiKey	openempi_session_key

Export records of entity into a file

```
POST /{versionId}/files/entities/{id}/records
```

Description

This endpoint allows you to export all the records of an entity. This is useful for backing up the records of an entity or to make the data available to another system.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the definition of the entity that was exported	No Content
400	The request was invalid	No Content

Produces

- `text/plain`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Retrieve a user file entry

```
GET /{versionId}/files/{id}
```

Description

This endpoint allows you to retrieve a user file entry from the system

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the entry that was requested	File
404	No such file entry was found	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update a user file entry

```
PUT /{versionId}/files/{id}
```

Description

This endpoint allows you update the metadata associated with a user file entry.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of entities known to the instance	File
400	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Delete a user file

```
DELETE /{versionId}/files/{id}
```

Description

This endpoint allows you to delete a file entry from the system

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the entry that was deleted	File
404	No such file entry was found	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Identifier Domains Resource

This resource is used to manage the identifier domains (also known as assigning authorities) that assign identifiers.

Define a new identifier domain

POST `/v{versionId}/identifier-domains`

Description

Use this endpoint to define a new identifier domain. An identifier domain is an object that defines an organization that assigns identifiers to records. An identifier domain must at least have an identifier domain name and either a namespace identifier, the pair universal identifier and identifier type code, or both values specified. When creating a new identifier you must not specify an identifier domain id as it is assigned by the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	IdentifierDomain	

Responses

HTTP Code	Description	Schema
200	Returns the newly created identifier domain.	IdentifierDomain
400	The request was invalid.	No Content
409	Unable to create the identifier domain.	No Content
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve all known identifier domains

```
GET /{versionId}/identifier-domains
```

Description

Use this endpoint to retrieve all known identifier domains by this instance.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns all known identifier domains.	< IdentifierDomain > array
400	The request was not valid	No Content
404	No identifier domains were found	No Content
500	Failed to process request due to system error	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve an identifier domain by its id

```
GET /{versionId}/identifier-domains/{id}
```

Description

Use this endpoint to retrieve the definition of an identifier domain using its unique identifier to locate it.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the identifier domain definition.	IdentifierDomain
400	The request was invalid.	No Content
404	No such identifier domain was found	No Content
500	Failed to process request due to system error	No Content

Produces

- `application/json`

- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Update an identifier domain

```
PUT /{versionId}/identifier-domains/{id}
```

Description

Use this endpoint to update the value of an identifier domain. An identifier domain is an object that defines an organization that assigns identifiers to records. The identifier domain id you provide in the path must point to an existing identifier domain.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	IdentifierDomain	

Responses

HTTP Code	Description	Schema
200	Returns the updated identifier domain.	IdentifierDomain
400	The request was invalid.	No Content
409	Unable to update the identifier domain.	No Content
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Delete an identifier domain

```
DELETE /{versionId}/identifier-domains/{id}
```

Description

Use this endpoint to delete an identifier domain. The identifier domain id you provide in the path must point to an existing identifier domain.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the deleted identifier domain.	IdentifierDomain
400	The request was invalid.	No Content
409	Unable to delete the identifier domain.	No Content

HTTP Code	Description	Schema
500	Failed to process request due to system error	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Notifications Resource

This resource is used to manage the notifications that are generated by your OpenEMPI instance.

Retrieve update notification events

```
GET /{versionId}/notifications
```

Description

Retrieve update notification events that are stored in the repository. You may use the paging parameters to control how many notification events are returned and the starting offset of those events. You may also indicate that the notification returned should be deleted from the repository. It is highly recommended that you delete notification events after receiving them to prevent them from accumulating on the server and negatively affecting server performance.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	firstRecord <i>optional</i>	integer (int32)	0
Query	maxRecords <i>optional</i>	integer (int32)	100

Type	Name	Schema	Default
Query	removeRecords <i>optional</i>	boolean	"false"

Responses

HTTP Code	Description	Schema
200	Returns the specified update notification events.	< IdentifierUpdateEvent > array
400	The request is invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Returns update notification event count

```
GET /{versionId}/notifications/getNotificationCount
```

Description

Returns the total number of notifications that are stored in the repository.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the total number of notification events.	No Content
400	The request is invalid	No Content

Produces

- `text/plain`

Security

Type	Name
apiKey	openempi_session_key

Retrieve update notification events

```
GET /{versionId}/notifications/retrieveNotificationsByDate
```

Description

Retrieve update notification events that are stored in the repository and that were generated after the specified date. You may also filter the returned events using the end date of the event, the source type and the transition type. You may also indicate that the notification returned should be deleted from the repository. It is highly recommended that you delete notification events after receiving them to prevent them from accumulating on the server and negatively affecting server performance.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	date <i>optional</i>	string	
Query	endDate <i>optional</i>	string	
Query	removeRecords <i>optional</i>	boolean	"false"

Type	Name	Schema	Default
Query	source <i>optional</i>	string	
Query	transition <i>optional</i>	string	

Responses

HTTP Code	Description	Schema
200	Returns the specified update notification events.	< IdentifierUpdateEvent > array
400	The request is invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Delete update notification event

```
DELETE /{versionId}/notifications/{id}
```

Description

Delete an update notification event from the repository. This is usually done after the event has been retrieved by a client application and has been processed.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Indicates that the operation completed successfully.	No Content
400	The request is invalid	No Content

Security

Type	Name
apiKey	openempi_session_key

PIX/PDQ Service Resource

Resource for interacting with the HL7v2 PIX/PDQ service.

Get the current state of the PIX/PDQ server.

```
GET /{versionId}/pixpdq-service/state
```

Description

Use this endpoint to get the current running state of the HL7v2 PIX/PDQ server.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Return the current state of the server.	string

HTTP Code	Description	Schema
400	The request was invalid	No Content

Produces

- `text/plain`

Security

Type	Name
apiKey	openempi_session_key

Change the state of the PIX/PDQ server.

```
PUT /{versionId}/pixpdq-service/state/{updown}
```

Description

Use this endpoint to change the running state of the HL7v2 PIX/PDQ server. You can use this endpoint to start or stop the server.

Parameters

Type	Name	Description	Schema	Default
Path	updown <i>required</i>	The state the server should move to. It should be one of {"up","down"}	string	
Path	versionId <i>required</i>		string	"1.0"

Responses

HTTP Code	Description	Schema
200	Return the state of the server after the operation completes.	string
400	The request was invalid	No Content
403	Failed to change the server's state	No Content

Produces

- `text/plain`

Security

Type	Name
apiKey	openempi_session_key

Person Manager Resource

Legacy interface for managing patient demographic records.

PUT /person-manager-resource/addIdentifierDomain

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomain

Responses

HTTP Code	Description	Schema
default	default response	IdentifierDomain

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/addIdentifierDomainAttribute

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomainAttributeRequest

Responses

HTTP Code	Description	Schema
default	default response	IdentifierDomainAttribute

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/addPerson

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	Person

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/addReviewRecordPair

Parameters

Type	Name	Schema
Body	body <i>optional</i>	ReviewRecordPair

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/deleteIdentifierDomain

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomain

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/deletePerson

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonIdentifier

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/deletePersonById

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/deleteReviewRecordPair

Parameters

Type	Name	Schema
Body	body <i>optional</i>	ReviewRecordPair

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/deleteReviewRecordPairs

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/importPerson

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	Person

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/linkPersons

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonLink

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/matchReviewRecordPair

Parameters

Type	Name	Schema
Body	body <i>optional</i>	ReviewRecordPair

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/mergePersons

Parameters

Type	Name	Schema
Body	body <i>optional</i>	MergePersonsRequest

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/obtainUniqueIdentifierDomain

Parameters

Type	Name	Schema
Body	body <i>optional</i>	string

Responses

HTTP Code	Description	Schema
default	default response	IdentifierDomain

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/removeIdentifierDomainAttribute

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomainAttribute

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

POST /person-manager-resource/removePersonById

Parameters

Type	Name	Schema
Query	personId <i>optional</i>	integer (int32)

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/unlinkPersons

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonLink

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/updateIdentifierDomain

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomain

Responses

HTTP Code	Description	Schema
default	default response	IdentifierDomain

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/updateIdentifierDomainAttribute

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomainAttribute

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/updatePerson

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

PUT /person-manager-resource/updatePersonById

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	Person

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

Person Query Resource

Legacy interface for querying patient demographic records.

Look up gender object using code

```
GET /person-query-resource/findGenderByCode
```

Description

Given the gender code, the method returns the full gender description

Parameters

Type	Name	Schema
Query	genderCode <i>optional</i>	string

Responses

HTTP Code	Description	Schema
200	Returns the gender object	Gender
400	The request was invalid	No Content
404	No such genders were found	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/findGenderByName

Parameters

Type	Name	Schema
Query	genderName <i>optional</i>	string

Responses

HTTP Code	Description	Schema
default	default response	Gender

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/findIdentifierDomain

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomain

Responses

HTTP Code	Description	Schema
default	default response	IdentifierDomain

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/findLinkedPersons

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonIdentifier

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/findMatchingPersonsByAttributes

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/findPersonById

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonIdentifier

Responses

HTTP Code	Description	Schema
default	default response	Person

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/findPersonsByAttributes

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/findPersonsByAttributesPaged

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonPagedRequest

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/findPersonsById

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonIdentifier

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/findRaceByCode

Parameters

Type	Name	Schema
Query	raceCode <i>optional</i>	string

Responses

HTTP Code	Description	Schema
default	default response	Race

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/findRaceByName

Parameters

Type	Name	Schema
Query	raceName <i>optional</i>	string

Responses

HTTP Code	Description	Schema
default	default response	Race

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/getGlobalIdentifierById

Parameters

Type	Name	Schema
Body	body <i>optional</i>	PersonIdentifier

Responses

HTTP Code	Description	Schema
default	default response	PersonIdentifier

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/getIdentifierDomainAttribute

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomainAttributeRequest

Responses

HTTP Code	Description	Schema
default	default response	IdentifierDomainAttribute

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/getIdentifierDomainAttributes

Parameters

Type	Name	Schema
Body	body <i>optional</i>	IdentifierDomain

Responses

HTTP Code	Description	Schema
default	default response	< IdentifierDomain Attribute > array

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/getIdentifierDomainTypeCodes

Responses

HTTP Code	Description	Schema
default	default response	StringList

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/getIdentifierDomains

Responses

HTTP Code	Description	Schema
default	default response	< IdentifierDomain > array

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

POST /person-query-resource/getPersonLinks

Parameters

Type	Name	Schema
Body	body <i>optional</i>	Person

Responses

HTTP Code	Description	Schema
default	default response	< PersonLink > array

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`

- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/getPersonModelAllAttributeNames

Responses

HTTP Code	Description	Schema
default	default response	StringList

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/getPersonModelAttributeNames

Responses

HTTP Code	Description	Schema
default	default response	StringList

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/getPersonModelCustomAttributesNames

Responses

HTTP Code	Description	Schema
default	default response	StringList

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/getSingleBestRecord

Parameters

Type	Name	Schema
Query	personId <i>optional</i>	integer (int32)

Responses

HTTP Code	Description	Schema
default	default response	Person

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/getSingleBestRecords

Parameters

Type	Name	Schema
Query	personId <i>optional</i>	< integer (int32) > array(multi)

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/loadAllPersonsPaged

Parameters

Type	Name	Schema
Query	firstRecord <i>optional</i>	integer (int32)
Query	maxRecords <i>optional</i>	integer (int32)

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/loadAllUnreviewedPersonLinks

Responses

HTTP Code	Description	Schema
default	default response	< ReviewRecordPair > array

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/loadPerson

Parameters

Type	Name	Schema
Query	personId <i>optional</i>	integer (int32)

Responses

HTTP Code	Description	Schema
default	default response	Person

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/loadPersons

Parameters

Type	Name	Schema
Query	personId <i>optional</i>	< integer (int32) > array(multi)

Responses

HTTP Code	Description	Schema
default	default response	< Person > array

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/loadReviewRecordPair

Parameters

Type	Name	Schema
Query	personLinkReviewId <i>optional</i>	integer (int32)

Responses

HTTP Code	Description	Schema
default	default response	ReviewRecordPair

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

GET /person-query-resource/loadUnreviewedPersonLinks

Parameters

Type	Name	Schema
Query	maxRecords <i>optional</i>	integer (int32)

Responses

HTTP Code	Description	Schema
default	default response	< ReviewRecordPair > array

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

Probabilistic Matching Configuration Resource

This resource is used to manage the configuration of the probabilistic matching algorithm. You can use this resource to retrieve and modify the matching configuration of your instance for a particular entity.

Get the probabilistic matching service configuration

```
GET /{versionId}/probabilistic-matching/configuration
```

Description

This endpoint allows you to retrieve the current configuration of the probabilistic matching service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the probabilistic matching service configuration.	< ProbabilisticMatchingConfiguration > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found or entity is configured using another algorithm	No Content
500	A server configuration issue caused the request to fail.	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update the probabilistic matching configuration

```
PUT /{versionId}/probabilistic-matching/configuration
```

Description

This endpoint allows you to update the current configuration of the probabilistic matching service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	ProbabilisticMatchingConfiguration	

Responses

HTTP Code	Description	Schema
200	Returns the updated matching service configuration.	< ProbabilisticMatchingConfiguration > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found or entity is configured using another algorithm	No Content
500	A server configuration issue caused the request to fail.	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Add field to the probabilistic matching configuration

```
POST /{versionId}/probabilistic-matching/configuration/field
```

Description

This endpoint allows you to add a new field to the current configuration of the probabilistic matching service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Body	body <i>required</i>	MatchField	

Responses

HTTP Code	Description	Schema
200	Returns the updated matching service configuration.	< ProbabilisticMatchingConfiguration > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found or entity is configured using another algorithm	No Content
500	A server configuration issue caused the request to fail.	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Delete field from probabilistic matching configuration

```
DELETE /{versionId}/probabilistic-matching/configuration/field
```

Description

This endpoint allows you to delete a field from the current configuration of the probabilistic matching service.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Body	body <i>required</i>	MatchField	

Responses

HTTP Code	Description	Schema
200	Returns the updated matching service configuration.	< ProbabilisticMatchingConfiguration > array
400	The request was invalid, missing required parameters	No Content
404	No such entity was found or entity is configured using another algorithm	No Content
500	A server configuration issue caused the request to fail.	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

GET `/api/v1/probabilistic-matching/configuration/logged-pair-counts`

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

Initialize the classification model for the matching algorithm

```
PUT /api/v1/probabilistic-matching/model
```

Description

This endpoint allows you to initialize the classification model that the particular matching algorithm uses to make classification decisions. This needs to be done when the configuration of the matching algorithm is initially setup or when the configuration changes. Once the system is running in production you should not run this operation since it will overwrite any customization you have applied to the configuration of the matching algorithm.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	JobEntry
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Record Links Resource

This resource is used to manage the inks between records that establish associations between records.

Add a record link

POST `/{versionId}/record-links`

Description

This endpoint allows you to add a new record link to the system. The record link must be associated with a known entity and the two records that it links must already exist in the repository of the entity to which the link is being added.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>optional</i>	RecordLink	

Responses

HTTP Code	Description	Schema
200	Returns the record link that was created.	RecordLink
400	The request was invalid	No Content
404	No such entity was found	No Content
409	The new link caused a conflict	No Content
500	Failed to process the request	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve record links from entity

```
GET /{versionId}/record-links
```

Description

This endpoint allows you to retrieve all the known record links between records of an entity. You can filter the record links returned by state otherwise only links of match state are returned. The possible values are 'M' for match links, 'P' for probable links and 'A' for links of all states. You can also page through the links in the repository using the parameters 'firstResult' and 'maxResults'.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	firstResult <i>optional</i>	integer (int32)	0
Query	keyVal <i>optional</i>	string	
Query	maxResults <i>optional</i>	integer (int32)	10
Query	state <i>optional</i>	string	"M"

Responses

HTTP Code	Description	Schema
200	Returns the record links that match the query parameters.	< RecordLink > array
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Reevaluate probable links using the matching algorithm

```
PUT /{versionId}/record-links/probable-links
```

Description

This endpoint allows you to re-evaluate all record pairs that have been classified as probable links against the matching algorithm and reassess their relationship to other records.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	JobEntry
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve record links associated with record

```
GET /{versionId}/record-links/record/{recordId}
```

Description

This endpoint allows you to retrieve record links associated with the record identified by the `recordId` value. You may filter the response to links of a given state such as `match` or `probable` links.

Parameters

Type	Name	Description	Schema	Default
Path	recordId <i>required</i>		integer (int64)	
Path	versionId <i>required</i>		string	<code>"1.0"</code>

Type	Name	Description	Schema	Default
Query	direct <i>optional</i>	Restricting links to those that are direct only ensures that links returned are only those that are directly associated with the record identified by the recordId parameter. By default, it returns all links along the path of traversed links starting from the record identified by the recordId parameter. Use a value of 'Y' to indicate that only direct links should be returned	string	
Query	entityId <i>required</i>		integer (int32)	
Query	state <i>optional</i>		string	

Responses

HTTP Code	Description	Schema
200	Returns the record links associated with the record.	< RecordLink > array
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update a record link

```
PUT /{versionId}/record-links/{id}
```

Description

This endpoint allows you to update a record link in the system. The record link must already exist and the only value that can be updated is the state of the record link. This endpoint can be used to change a probable link to either a match link (state is 'M') or to a non-match (state is 'N') link.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>optional</i>	RecordLink	

Responses

HTTP Code	Description	Schema
200	Returns the record link that was updated.	RecordLink
400	The request was invalid	No Content
404	No such entity was found	No Content
409	The update of the link caused a conflict	No Content
500	Failed to process the request	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Delete a record link

```
DELETE /{versionId}/record-links/{id}
```

Description

This endpoint allows you to delete a record link from the system. The record link must exist in the repository.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the record link that was deleted.	RecordLink
400	The request was invalid	No Content
404	No such entity was found	No Content
409	The new link caused a conflict	No Content
500	Failed to process the request	No Content

Produces

- `application/json`

- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve record link by id

```
GET /{versionId}/record-links/{recordLinkId}
```

Description

This endpoint allows you to retrieve a record link using its unique identifier.

Parameters

Type	Name	Schema	Default
Path	recordLinkId <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the record link.	RecordLink
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`

- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Records Resource

This resource is used to manage the records for each entity that OpenEMPI is deduplicating.

Add a new record

POST `/{versionId}/records`

Description

This endpoint allows you to add a record to the repository. You must specify the entity to which this records should be added using the `entityId` parameter of the record object.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	Record	

Responses

HTTP Code	Description	Schema
200	Returns the record that was added.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
409	Unable to add record due to a conflict	No Content
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve records with the specific unique identifiers

```
GET /{versionId}/records
```

Description

This endpoint allows you to retrieve from the repository the records identified by the list of unique record ids provided in the request message. You can also use this endpoint to retrieve all the records in the repository a page at a time. You do this by not providing a list of unique identifiers but by providing the paging parameters 'firstRecord' and 'maxRecords'

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	firstRecord <i>optional</i>	integer (int32)	0
Query	maxRecords <i>optional</i>	integer (int32)	10
Query	recordId <i>optional</i>	< integer (int64) > array(multi)	

Responses

HTTP Code	Description	Schema
200	Returns the records that match the request parameters.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Update a record

```
PUT /{versionId}/records
```

Description

This endpoint allows you to update a record in the repository. You must specify the entity this record is associated with and must also include the unique identifier of this record.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	Record	

Responses

HTTP Code	Description	Schema
200	Returns the record that was updated.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
409	Unable to add record due to a conflict	No Content
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

DELETE /{versionId}/records

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>optional</i>	integer (int32)	
Query	identifierDomainId <i>optional</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
default	default response	JobEntry

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve clusters of records

```
GET /{versionId}/records/clusters
```

Description

This endpoint allows you to retrieve clusters of records that have been linked together. A cluster consists of all the records that are linked together by the matching algorithm. You can limit the list of clusters returned by the minimum number of records that must be in the cluster for the cluster to qualify and by whether the cluster is consistent or not. Based on the configuration of the system there may be cases where records are linked together but don't have the same global identifier. A consistent cluster is one where all the records in the cluster have the same global identifier.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	isConsistent <i>optional</i>	boolean	"true"
Query	minSize <i>optional</i>	integer (int32)	2

Responses

HTTP Code	Description	Schema
200	Returns the clusters of records that match the query criteria.	< string > array
400	The request was invalid	No Content
404	No such entity or cluster was found	No Content
500	Failed to process request due to system error	No Content

Produces

- `application/json`

Security

Type	Name
apiKey	openempi_session_key

Generate custom fields for all records

```
PUT /{versionId}/records/custom-fields
```

Description

This endpoint allows you to regenerate the values for all custom fields currently defined against all the records in the repository. The response from the request is a job entry that refers to the job that was created to handle the regeneration of the custom fields for all records in an asynchronous manner.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	JobEntry
400	No such entity was found	No Content
404	The request is invalid	No Content
500	Unable to initialize a job to generate custom fields	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

DELETE /{versionId}/records/expired

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	olderThan <i>required</i>	integer (int32)	
Query	timeUnits <i>required</i>	string	

Responses

HTTP Code	Description	Schema
default	default response	JobEntry

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

Export all records of an entity from repository

```
POST /{versionId}/records/export
```

Description

Use this endpoint to export all the records in the repository associated with a particular entity.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	dateCreated <i>optional</i>	string	
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the unique identifier for the job that was created.	JobEntry
400	The entityId parameter is missing or invalid	No Content

HTTP Code	Description	Schema
404	No such entity was found	No Content
500	The server failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve records that match attributes

POST `/{versionId}/records/findByAttributes`

Description

This endpoint allows you to retrieve from the repository records that match the query criteria specified in the request in the form of a template record object. You can query the repository using any of the attributes in the data model of the entity that you are querying.

Parameters

Type	Name	Description	Schema	Default
Path	versionId <i>required</i>		string	"1.0"
Query	entityId <i>required</i>		integer (int32)	
Query	firstResult <i>optional</i>		integer (int32)	0
Query	maxResults <i>optional</i>		integer (int32)	10

Type	Name	Description	Schema	Default
Query	sortBy <i>optional</i>	The name of a field from the entity or the values 'dateCreated' for ordering by the date created and 'dateChanged' for ordering by the date modified	string	
Query	sortOrder <i>optional</i>	Use 'asc' to indicate ascending order or 'desc' to indicate descending order.	string	"asc"
Body	body <i>optional</i>		Record	

Responses

HTTP Code	Description	Schema
200	Returns the records that match the query criteria.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve records that match attributes

```
GET /{versionId}/records/findByAttributes
```


Description

This endpoint allows you to retrieve from the repository records that match the query criteria specified in the request. You can query the repository using any of the attributes in the data model of the entity that you are querying.

Parameters

Type	Name	Description	Schema	Default
Path	versionId <i>required</i>		string	"1.0"
Query	entityId <i>required</i>		integer (int32)	
Query	firstResult <i>optional</i>		integer (int32)	0
Query	keyVal <i>required</i>		< string > array(multi)	
Query	maxResults <i>optional</i>		integer (int32)	10
Query	sortBy <i>optional</i>	The name of a field from the entity or the values 'dateCreated' for ordering by the date created and 'dateChanged' for ordering by the date modified	string	
Query	sortOrder <i>optional</i>	Use 'asc' to indicate ascending order or 'desc' to indicate descending order.	string	"asc"

Responses

HTTP Code	Description	Schema
200	Returns the records that match the query criteria.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve records that match based on blocking

```
POST /{versionId}/records/findByBlocking
```

Description

This endpoint allows you to retrieve from the repository records that match the query criteria specified in the request based on the configuration of the blocking algorithm. The request will return records that are in the same blocks with the record that has the attribute values provided in the request. It is important to provide attributes that are used in the blocking configuration, either directly or through custom fields otherwise no records will be returned by the system. The record provided in the body of the request only needs to include the query attributes.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Body	body <i>optional</i>	Record	

Responses

HTTP Code	Description	Schema
200	Returns the records that match the query criteria.	< Record > array
400	The request was invalid	No Content

HTTP Code	Description	Schema
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Retrieve records that match based on blocking

```
GET /{versionId}/records/findByBlocking
```

Description

This endpoint allows you to retrieve from the repository records that match the query criteria specified in the request based on the configuration of the blocking algorithm. The request will return records that are in the same blocks with the record that has the attribute values provided in the request. It is important to provide attributes that are used in the blocking configuration, either directly or through custom fields otherwise no records will be returned by the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Type	Name	Schema	Default
Query	keyVal <i>required</i>	< string > array(multi)	

Responses

HTTP Code	Description	Schema
200	Returns the records that match the query criteria.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve records that match the identifier provided

```
GET /{versionId}/records/findByIdentifier
```

Description

This endpoint allows you to retrieve from the repository records that are associated with the identifier specified in the request. You may also optionally provide an identifier domain to limit the identifier to the specific domain that assigned it.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Type	Name	Schema	Default
Query	entityId <i>required</i>	integer (int32)	
Query	firstResult <i>optional</i>	integer (int32)	0
Query	identifier <i>optional</i>	string	
Query	identifierDomainId <i>optional</i>	integer (int32)	
Query	maxResults <i>optional</i>	integer (int32)	10

Responses

HTTP Code	Description	Schema
200	Returns the records that match the identifier provided.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve records that match based on matching

POST `/{versionId}/records/findByMatching`

Description

This endpoint allows you to retrieve from the repository records that match the query criteria specified in the request based on the configuration of the matching algorithm. The request will return records that would match with the record having the attributes included in the request. It is important to provide attributes that are used in the matching configuration, either directly or through custom fields, otherwise no records will be returned by the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Body	body <i>optional</i>	Record	

Responses

HTTP Code	Description	Schema
200	Returns the records that match the query criteria.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve records that match based on matching

```
GET /{versionId}/records/findByMatching
```

Description

This endpoint allows you to retrieve from the repository records that match the query criteria specified in the request based on the configuration of the matching algorithm. The request will return records that would match with the record having the attributes included in the request. It is important to provide attributes that are used in the matching configuration, either directly or through custom fields, otherwise no records will be returned by the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	keyVal <i>optional</i>	< string > array(multi)	

Responses

HTTP Code	Description	Schema
200	Returns the records that match the query criteria.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)

- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve records that match based on matching or add new record

POST `/{versionId}/records/findOrAddRecord`

Description

This endpoint allows you to retrieve from the repository records that match the query criteria specified in the request based on the configuration of the matching algorithm. The request will return records that would match with the record having the attributes included in the request. It is important to provide attributes that are used in the matching configuration, either directly or through custom fields. If no matching record is found in the system, the record is added to the system. You may also supply an optional identifier as a query parameter and in that case the search for the new record is based on the identifier. If no records are found that match the identifier specified, the new record is added to the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	identifier <i>optional</i>	string	
Query	identifierDomainId <i>optional</i>	integer (int32)	
Body	body <i>optional</i>	Record	

Responses

HTTP Code	Description	Schema
200	Returns the records that match the query criteria or the newly added record.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
409	Unable to add record due to a conflict	No Content
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Retrieve record pairs that match based on matching

```
POST /{versionId}/records/findRecordPairsByMatching
```

Description

This endpoint allows you to retrieve from the repository pairs of records that match the query criteria specified in the request based on the configuration of the matching algorithm. The request will return pairs of records formed from the record provided and other matching records if any. It is important to provide attributes that are used in the matching algorithm configuration, either directly or through custom fields otherwise no records will be returned by the system. The record provided in the body of the request only needs to include the query attributes.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Body	body <i>optional</i>	Record	

Responses

HTTP Code	Description	Schema
200	Returns the record pairs that match the query criteria.	< RecordPair > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve record pairs that match based on matching

```
GET /{versionId}/records/findRecordPairsByMatching
```

Description

This endpoint allows you to retrieve from the repository pairs of records that match the query criteria specified in the request based on the configuration of the matching algorithm. The request will return pairs of records formed from the record provided and other matching records if any. It is important to provide attributes that are used in the matching algorithm configuration, either directly or through custom fields otherwise no records will be returned by the system. The record provided in the body of the request only needs to include the query attributes.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	keyVal <i>optional</i>	< string > array(multi)	

Responses

HTTP Code	Description	Schema
200	Returns the record pairs that match the query criteria.	< RecordPair > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Assign global identifiers to all records

```
PUT /{versionId}/records/global-identifiers
```

Description

Use this endpoint to assign global identifiers to all the records in the repository associated with a particular entity.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the unique identifier for the job that was created.	JobEntry
400	The entityId parameter is missing or invalid	No Content
404	No such entity was found	No Content
500	The server failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Remove global identifiers from all records

DELETE /{versionId}/records/global-identifiers

Description

Use this endpoint to remove global identifiers from all the records in the repository associated with a particular entity.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the unique identifier for the job that was created.	JobEntry
400	The entityId parameter is missing or invalid	No Content
404	No such entity was found	No Content
500	The server failed to process the request	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

DELETE /{versionId}/records/identifiers/duplicate-deleted

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	identifierDomainId <i>optional</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
default	default response	JobEntry

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

DELETE /{versionId}/records/identifiers/expired

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	olderThan <i>required</i>	integer (int32)	
Query	timeUnits <i>required</i>	string	

Responses

HTTP Code	Description	Schema
default	default response	JobEntry

Produces

- [application/xml](#)
- [application/json](#)

Security

Type	Name
apiKey	openempi_session_key

Import the records from a file

```
PUT /{versionId}/records/importFile
```

Description

This endpoint allows you to import the records from a file into the repository. The file may be specified either by an explicit file name on the server or by referring to a file that has already been uploaded by using the unique `userId` of the uploaded file entry (one of these two parameters are required as input to the request). The request must include the name of the mapping file that should be used to map the fields in each record into fields in the data model of the entity you are importing the records into. The `isImport` parameter is used to indicate whether the records should be added or imported. When a record is added the matching algorithm is used to evaluate if the new record is a duplicate of existing record(s) in the repository whereas when it is imported simply the identification of duplicates is postponed. The `isMassiveInsert` parameter is used to optimize the processing of the import request when set to true and is the recommended approach when first setting up an instance of the software. The `isSynchronous` parameter when true indicates that the request should be processed synchronously otherwise a job is created and the import is processed in the background. For large import it is recommended that you process the import operation asynchronously.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Type	Name	Schema	Default
Query	entityId <i>required</i>	integer (int32)	
Query	fieldMapFilename <i>required</i>	string	
Query	filename <i>optional</i>	string	
Query	isImport <i>optional</i>	boolean	"false"
Query	isMassiveInsert <i>optional</i>	boolean	"false"
Query	isSynchronous <i>optional</i>	boolean	"false"
Query	skipHeaderLine <i>optional</i>	boolean	"false"
Query	userFileId <i>optional</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	JobEntry
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Classify all record pairs using the matching algorithm

```
PUT /{versionId}/records/record-links
```

Description

This endpoint allows you to classify all record pairs generated by the current blocking algorithm configuration against the classification model used by the matching algorithm.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns a job entry for the asynchronous job that was created.	JobEntry
400	The request was invalid	No Content
404	No such entity was found	No Content
500	Failed to process the request	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Retrieve count of records that match query attributes

GET `/{{versionId}}/records/recordCountByAttributes`

Description

This endpoint allows you to retrieve from the repository the count of records that match the query criteria specified in the request. The count is returned in the header X-total-count

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	keyVal <i>optional</i>	< string > array(multi)	

Responses

HTTP Code	Description	Schema
200	Returns the count of records that match the query criteria.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Retrieve record count that matches the identifier provided

```
GET /{versionId}/records/recordCountByIdentifier
```

Description

This endpoint allows you to retrieve from the repository the count of records that are associated with the identifier specified in the request. You may also optionally provide an identifier domain to limit the identifier to the specific domain that assigned it. The count is returned in the header X-total-count

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	
Query	identifier <i>required</i>	string	
Query	identifierDomainId <i>optional</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the record count that matches the identifier provided.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Get the record by its id

```
GET /{versionId}/records/{id}
```

Description

This endpoint allows you to retrieve a specific record using its unique identifier

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the record using it's unique identifier to look it up.	Record
400	The request was invalid	No Content
404	No entities were found	No Content
500	Failed to load record	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update a record

```
PUT /{versionId}/records/{id}
```

Description

This endpoint allows you to update a record in the repository. You must specify the entity this record is associated with and must also include the unique identifier of this record.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	Record	

Responses

HTTP Code	Description	Schema
200	Returns the record that was updated.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
409	Unable to add record due to a conflict	No Content

HTTP Code	Description	Schema
500	Failed to process request due to system error	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Delete a record

```
DELETE /{versionId}/records/{id}
```

Description

This endpoint allows you to delete a record from the repository. You must specify the entity this record is associated with and must also include the unique identifier of this record. You may also specify that you want the record to be permanently deleted by setting the 'remove' query parameter to true. If this parameter is not specified, the record is only marked as deleted.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Type	Name	Schema	Default
Query	remove <i>optional</i>	boolean	"false"

Responses

HTTP Code	Description	Schema
200	Returns the record that was updated.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
409	Unable to add record due to a conflict	No Content
500	Failed to process request due to system error	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Find records that are linked to this record

```
GET /{versionId}/records/{id}/links
```

Description

This endpoint allows you to retrieve any records that are linked to this record via a match link. In other words, based on the configuration of the matching algorithm records that are linked together with a match link refer to the same unique entity.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the records that are linked to this record.	< Record > array
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Update the record's association with other records

```
PUT /{versionId}/records/{id}/links
```

Description

This endpoint allows you to invoke the matching algorithm to update the links of this record with other records in the repository. This is useful when the configuration of the matching algorithm has changed and you want these settings to be applied against only specific records.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>required</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
200	Returns the record whose links were updated.	Record
400	The request was invalid	No Content
404	No such entity or record was found	No Content
500	Failed to process request due to system error	No Content

Produces

- [application/json](#)
- [application/xml](#)

Security

Type	Name
apiKey	openempi_session_key

Security Manager Resource

The authentication, authorization and security management service.

Authenticate a user

```
PUT /{versionId}/security/authenticate
```

Description

This endpoint allows you to authenticate a user using a username and password.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>optional</i>	authenticationRequest	

Responses

HTTP Code	Description	Schema
200	Returns the session id associated with the successful authentication request.	string
400	The request was invalid	No Content
403	Authentication request failed	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [text/plain](#)

Authenticate a user

```
PUT /{versionId}/security/authenticate-user
```

Description

This endpoint allows you to authenticate a user using a username and password.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>optional</i>	authenticationRequest	

Responses

HTTP Code	Description	Schema
200	Returns the session id associated with the successful authentication request along with the user information for the user that was authenticated.	UserSession
400	The request was invalid	No Content
403	Authentication request failed	No Content
500	Unable to add the role	No Content

Consumes

- [application/xml](#)
- [application/json](#)

Produces

- [application/json](#)

Get the list of permissions

```
GET /{versionId}/security/permissions
```

Description

This endpoint returns the list of permissions supported by the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of permissions	< Permission > array
400	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Get the permission definition

```
GET /{versionId}/security/permissions/{id}
```

Description

This endpoint returns the definition of the permission specified by the unique identifier.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int32)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the permission	Permission
400	The request was invalid	No Content
404	Unable to find permission with this id.	No Content

Produces

- `application/json`
- `application/xml`

Add a new role

```
POST /{versionId}/security/roles
```

Description

This endpoint allows you to define a new role.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	Role	

Responses

HTTP Code	Description	Schema
200	Returns the role that was added	Role
400	The request was invalid	No Content
409	A role with this name already exists	No Content
500	Unable to add the role	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Get the list of Roles

```
GET /{versionId}/security/roles
```

Description

This endpoint returns the list of roles supported by the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of roles	< Role > array
400	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Get the role definition

```
GET /{versionId}/security/roles/{id}
```

Description

This endpoint returns the definition of the role specified by the unique identifier.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the role	Permission
400	The request was invalid	No Content
404	Unable to find role with this id.	No Content

Produces

- `application/json`
- `application/xml`

Update a role

```
PUT /{versionId}/security/roles/{id}
```

Description

This endpoint allows you to update a role.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	Role	

Responses

HTTP Code	Description	Schema
200	Returns the role that was updated	Role
400	The request was invalid	No Content
404	Unable to find a role with this id	No Content
500	Unable to update the role	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Delete the role definition

```
DELETE /{versionId}/security/roles/{id}
```

Description

This endpoint deletes the role specified by the unique identifier.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Deletes the role definition	Permission

HTTP Code	Description	Schema
400	The request was invalid	No Content
404	Unable to find role with this id.	No Content
500	Unable to delete the role	No Content

Produces

- `application/json`
- `application/xml`

Add a new user

```
POST /{versionId}/security/users
```

Description

This endpoint allows you to define a new user.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	User	

Responses

HTTP Code	Description	Schema
200	Returns the user that was added	User
400	The request was invalid	No Content
409	A user with this username already exists	No Content
500	Unable to add the user	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Get the list of Users

```
GET /{versionId}/security/users
```

Description

This endpoint returns the list of users supported by the system.

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of users	< User > array
400	The request was invalid	No Content
500	Error due to server configuration	No Content

Produces

- `application/json`
- `application/xml`

Get the user definition

```
GET /{versionId}/security/users/{id}
```

Description

This endpoint returns the definition of the user specified by the unique identifier.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the user	User
400	The request was invalid	No Content
404	Unable to find user with this id.	No Content
500	Error due to server configuration	No Content

Produces

- `application/json`
- `application/xml`

Update a user

```
PUT /{versionId}/security/users/{id}
```

Description

This endpoint allows you to update a user.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Body	body <i>required</i>	User	

Responses

HTTP Code	Description	Schema
200	Returns the user that was updated	User
400	The request was invalid	No Content
404	Unable to find a user with this id	No Content
500	Unable to update the user	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `application/json`
- `application/xml`

Delete the user definition

```
DELETE /{versionId}/security/users/{id}
```

Description

This endpoint deletes the user specified by the unique identifier.

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	integer (int64)	

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Deletes the user definition	User
400	The request was invalid	No Content
404	Unable to find user with this id.	No Content
500	Unable to delete the user	No Content

Produces

- `application/json`
- `application/xml`

Returns the status of the session

```
GET /{versionId}/security/{sessionKey}
```

Description

This endpoint allows you to determine whether the session associated with the session key provided is active or not.

Parameters

Type	Name	Schema	Default
Path	sessionKey <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the active status as a true or false value	Entity
400	The request was invalid	No Content

Produces

- `text/plain`

Security

Type	Name
apiKey	openempi_session_key

Security Resource

The authentication and authorization service (legacy version).

Authenticate a user

```
PUT /security-resource/authenticate
```

Description

This endpoint allows you to authenticate a user using a username and password. You must first authenticate a user with OpenEMPI and receive a session key before you attempt any other operation that requires a session key. Once you have successfully received a session key back you must provide it in subsequent REST API requests using the header `OPENEMPI_SESSION_KEY`.

Parameters

Type	Name	Schema
Body	body <i>optional</i>	authenticationRequest

Responses

HTTP Code	Description	Schema
200	Returns the session id associated with the successful authentication request.	string

HTTP Code	Description	Schema
400	The request was invalid	No Content

Consumes

- `application/xml`
- `application/json`

Produces

- `text/plain`

Returns the status of the session

```
GET /security-resource/{sessionKey}
```

Description

This endpoint allows you to determine whether the session associated with the session key provided is active or not.

Parameters

Type	Name	Schema
Path	sessionKey <i>required</i>	string

Responses

HTTP Code	Description	Schema
200	Returns the active status as a true or false value	Entity
400	The request was invalid	No Content

Produces

- `text/plain`

String Comparators Resource

This resource is used to access the functions that measure similarity between string values and

effectively, the similarity between fields values in two records.

GET `/api/v1/string-comparators`

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
default	default response	StringList

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

GET `/api/v1/string-comparators/{comparator}/parameters`

Parameters

Type	Name	Schema	Default
Path	comparator <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
default	default response	StringList

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

GET `/{versionId}/string-comparators/{comparator}/{value1}/{value2}`

Parameters

Type	Name	Schema	Default
Path	comparator <i>required</i>	string	
Path	value1 <i>required</i>	string	
Path	value2 <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"
Query	keyVal <i>optional</i>	< string > array(multi)	

Responses

HTTP Code	Description	Schema
default	default response	string

Produces

- `text/plain`

Security

Type	Name
apiKey	openempi_session_key

Synonyms Resource

This resource manages lists of values that are considered to be synonyms of each other. These values can be used to improve the matching rate between records where the values are not similar syntactically but represent the same entity (Bob and Robert).

POST `/{"versionId}/synonyms`

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>optional</i>	integer (int32)	
Body	body <i>optional</i>	SynonymEntry	

Responses

HTTP Code	Description	Schema
default	default response	SynonymEntry

Consumes

- `application/xml`
- `application/json`

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

GET `/{"versionId"}/synonyms`

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>optional</i>	integer (int32)	
Query	fieldName <i>optional</i>	string	

Responses

HTTP Code	Description	Schema
default	default response	< SynonymEntry > array

Produces

- `application/xml`
- `application/json`

Security

Type	Name
apiKey	openempi_session_key

DELETE `/{"versionId"}/synonyms/{id}`

Parameters

Type	Name	Schema	Default
Path	id <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"
Query	entityId <i>optional</i>	integer (int32)	

Responses

HTTP Code	Description	Schema
default	default response	No Content

Produces

- `application/octet-stream`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Transformation Functions Resource

This resource provides access to the transformation functions supported by OpenEMPI. The transformation functions are used to generate custom fields.

Get the list of transformation functions

```
GET /{versionId}/transformation-functions
```

Description

This endpoint returns the list of transformation functions supported

Parameters

Type	Name	Schema	Default
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of transformation functions	< TransformationFunction > array
400	The request was invalid	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Get the list of parameters for a transformation function

```
GET /{versionId}/transformation-functions/{function}/parameters
```

Description

This endpoint returns the list of parameter names for a transformation function.

Parameters

Type	Name	Schema	Default
Path	function <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"

Responses

HTTP Code	Description	Schema
200	Returns the list of parameter names	< string > array
400	The request was invalid	No Content
404	The specified transformation function was not found	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	<code>openempi_session_key</code>

Transform a value using a transformation function

```
GET /{versionId}/transformation-functions/{function}/{value1}
```

Description

This endpoint takes the name of a transformation function and a value and return the transformed value using the transformation function specified.

Parameters

Type	Name	Schema	Default
Path	function <i>required</i>	string	
Path	value1 <i>required</i>	string	
Path	versionId <i>required</i>	string	"1.0"

Type	Name	Schema	Default
Query	keyVal <i>required</i>	< string > array(multi)	

Responses

HTTP Code	Description	Schema
200	Returns the transformed value	string
400	The request was invalid	No Content
404	The specified transformation function was not found	No Content

Produces

- `application/json`
- `application/xml`

Security

Type	Name
apiKey	openempi_session_key

Definitions

Address

Name	Schema
address <i>optional</i>	string
city <i>optional</i>	string
country <i>optional</i>	string
postalCode <i>optional</i>	string
province <i>optional</i>	string

AddressType

Name	Schema
addressTypeCd <i>optional</i>	integer (int32)
addressTypeCode <i>optional</i>	string
addressTypeDescription <i>optional</i>	string
addressTypeName <i>optional</i>	string

AuditEventEntry

Name	Schema
altRefRecord <i>optional</i>	Record

Name	Schema
altRefRecordId <i>optional</i>	integer (int64)
auditEventDescription <i>optional</i>	string
auditEventId <i>optional</i>	integer (int64)
auditEventTypeId <i>optional</i>	integer (int32)
dateCreatedStr <i>optional</i>	string
entityName <i>optional</i>	string
refRecord <i>optional</i>	Record
refRecordId <i>optional</i>	integer (int64)
userCreatedById <i>optional</i>	integer (int64)

AuditEventType

Name	Schema
auditEventTypeCd <i>optional</i>	integer (int32)
auditEventTypeCode <i>optional</i>	string
auditEventTypeDescription <i>optional</i>	string
auditEventTypeName <i>optional</i>	string

BlockingConfiguration

Name	Schema
blockingRounds <i>optional</i>	< BlockingRound > array
entityName <i>optional</i>	string
entityVersionId <i>optional</i>	integer (int32)
maximumBlockSize <i>optional</i>	integer (int32)

BlockingRound

Name	Schema
fields <i>optional</i>	< string > array

ComparatorFunction

Name	Schema
functionName <i>optional</i>	string
parameterMap <i>optional</i>	< string, string > map

CustomField

Name	Schema
configurationParameters <i>optional</i>	< string, string > map
customFieldId <i>optional</i>	integer (int32)

Name	Schema
entityName <i>optional</i>	string
fieldName <i>optional</i>	string
orderSeq <i>optional</i>	integer (int32)
sourceFieldName <i>optional</i>	string
transformationFunctionName <i>optional</i>	string

DataProfile

Name	Schema
dataProfileId <i>optional</i>	integer (int32)
dataSourceId <i>optional</i>	integer (int32)
dateCompletedStr <i>optional</i>	string
dateInitiatedStr <i>optional</i>	string
entityId <i>optional</i>	integer (int32)

DataProfileAttribute

Name	Schema
attributeId <i>optional</i>	integer (int32)

Name	Schema
attributeName <i>optional</i>	string
averageLength <i>optional</i>	number (double)
averageTokenFrequency <i>optional</i>	number (double)
averageValue <i>optional</i>	number (double)
blockingPairs <i>optional</i>	integer (int32)
datatypeId <i>optional</i>	integer (int32)
distinctCount <i>optional</i>	integer (int32)
duplicateCount <i>optional</i>	integer (int32)
entropy <i>optional</i>	number (double)
getuValue <i>optional</i>	number (double)
maximumEntropy <i>optional</i>	number (double)
maximumLength <i>optional</i>	integer (int32)
maximumValue <i>optional</i>	number (double)
minimumLength <i>optional</i>	integer (int32)

Name	Schema
minimumValue <i>optional</i>	number (double)
nullCount <i>optional</i>	integer (int32)
nullRate <i>optional</i>	number (double)
rowCount <i>optional</i>	integer (int32)
standardDeviation <i>optional</i>	number (double)
uniqueCount <i>optional</i>	integer (int32)
variance <i>optional</i>	number (double)

DataProfileAttributeValue

Name	Schema
attributeId <i>optional</i>	integer (int32)
attributeValue <i>optional</i>	string
attributeValueId <i>optional</i>	integer (int32)
frequency <i>optional</i>	integer (int32)

DeterministicMatchingConfiguration

Name	Schema
entityName <i>optional</i>	string
rules <i>optional</i>	< MatchRule > array

Entity

Name	Schema
attributes <i>optional</i>	< EntityAttribute > array
dateChangedStr <i>optional</i>	string
dateCreatedStr <i>optional</i>	string
dateVoidedStr <i>optional</i>	string
description <i>optional</i>	string
displayName <i>optional</i>	string
entityId <i>optional</i>	integer (int32)
entityVersionId <i>optional</i>	integer (int32)
name <i>optional</i>	string
synchronousMatching <i>optional</i>	boolean
userChangedById <i>optional</i>	integer (int32)

Name	Schema
userCreatedById <i>optional</i>	integer (int32)
userVoidedById <i>optional</i>	integer (int32)
versionId <i>optional</i>	integer (int32)

EntityAttribute

Name	Schema
caseInsensitive <i>optional</i>	boolean
datatype <i>optional</i>	EntityAttributeDatatype
dateChangedStr <i>optional</i>	string
dateCreatedStr <i>optional</i>	string
dateVoidedStr <i>optional</i>	string
description <i>optional</i>	string
displayName <i>optional</i>	string
displayOrder <i>optional</i>	integer (int32)
entityAttributeId <i>optional</i>	integer (int32)
indexed <i>optional</i>	boolean

Name	Schema
isCustom <i>optional</i>	boolean
name <i>optional</i>	string
searchable <i>optional</i>	boolean
userChangedById <i>optional</i>	integer (int32)
userCreatedById <i>optional</i>	integer (int32)
userVoidedById <i>optional</i>	integer (int32)

EntityAttributeDatatype

Name	Schema
datatypeCd <i>optional</i>	integer (int32)
displayName <i>optional</i>	string
name <i>optional</i>	string

EntityAttributeGroup

Name	Schema
displayName <i>optional</i>	string
displayOrder <i>optional</i>	integer (int32)

Name	Schema
entityAttributeGroupId <i>optional</i>	integer (int32)
entityAttributes <i>optional</i>	< EntityAttributeGroupAttribute > array
entityId <i>optional</i>	integer (int32)
name <i>optional</i>	string

EntityAttributeGroupAttribute

Name	Schema
entityAttributeGroupAttributeId <i>optional</i>	integer (int32)
entityAttributeId <i>optional</i>	integer (int32)

EthnicGroup

Name	Schema
ethnicGroupCd <i>optional</i>	integer (int32)
ethnicGroupCode <i>optional</i>	string
ethnicGroupDescription <i>optional</i>	string
ethnicGroupName <i>optional</i>	string

FieldValue

Name	Schema
name <i>optional</i>	string
value <i>optional</i>	string

File

Name	Schema
dateCreatedStr <i>optional</i>	string
filename <i>optional</i>	string
imported <i>optional</i>	string
isEntity <i>optional</i>	string
name <i>optional</i>	string
ownerId <i>optional</i>	integer (int32)
profiled <i>optional</i>	string
userFileId <i>optional</i>	integer (int32)

Gender

Name	Schema
genderCd <i>optional</i>	integer (int32)

Name	Schema
genderCode <i>optional</i>	string
genderDescription <i>optional</i>	string
genderName <i>optional</i>	string

Identifier

Name	Schema
dateCreated <i>optional</i>	string (date-time)
dateVoided <i>optional</i>	string (date-time)
identifier <i>optional</i>	string
identifierDomain <i>optional</i>	IdentifierDomain
identifierDomainId <i>optional</i>	integer (int32)
identifierId <i>optional</i>	integer (int64)
internalRecordId <i>optional</i>	string

IdentifierDomain

Name	Schema
dateCreatedStr <i>optional</i>	string

Name	Schema
identifierDomainDescription <i>optional</i>	string
identifierDomainId <i>optional</i>	integer (int32)
identifierDomainName <i>optional</i>	string
namespaceIdentifier <i>optional</i>	string
universalIdentifier <i>optional</i>	string
universalIdentifierTypeCode <i>optional</i>	string

IdentifierDomainAttribute

Name	Schema
attributeName <i>optional</i>	string
attributeValue <i>optional</i>	string
identifierDomainAttributeId <i>optional</i>	integer (int32)
identifierDomainId <i>optional</i>	integer (int32)

IdentifierDomainAttributeRequest

Name	Schema
attributeName <i>optional</i>	string

Name	Schema
attributeValue <i>optional</i>	string
identifierDomain <i>optional</i>	IdentifierDomain

IdentifierUpdateEntry

Name	Schema
identifier <i>optional</i>	string
identifierDomain <i>optional</i>	IdentifierDomain

IdentifierUpdateEvent

Name	Schema
dateCreated <i>optional</i>	string (date-time)
identifierUpdateEventId <i>optional</i>	integer (int64)
postUpdateIdentifiers <i>optional</i>	< IdentifierUpdateEntry > array
preUpdateIdentifiers <i>optional</i>	< IdentifierUpdateEntry > array
source <i>optional</i>	string
transition <i>optional</i>	string

JSONArray

Name	Schema
escapeForwardSlashAlways <i>optional</i>	boolean

JobEntry

Name	Schema
dateCompleted <i>optional</i>	string
dateCreated <i>optional</i>	string
dateStarted <i>optional</i>	string
itemsErrored <i>optional</i>	integer (int32)
itemsProcessed <i>optional</i>	integer (int32)
itemsSuccessful <i>optional</i>	integer (int32)
jobDescription <i>optional</i>	string
jobEntryId <i>optional</i>	integer (int32)
jobParameters <i>optional</i>	string
jobStatus <i>optional</i>	JobStatus
jobType <i>optional</i>	JobType

JobEntryEventLog

Name	Schema
dateCreated <i>optional</i>	string
eventEntryEventLogId <i>optional</i>	integer (int32)
logMessage <i>optional</i>	string

JobStatus

Name	Schema
jobStatusCd <i>optional</i>	integer (int32)
jobStatusDescription <i>optional</i>	string
jobStatusName <i>optional</i>	string

JobType

Name	Schema
jobTypeCd <i>optional</i>	integer (int32)
jobTypeDescription <i>optional</i>	string
jobTypeName <i>optional</i>	string

Language

Name	Schema
languageCd <i>optional</i>	integer (int32)
languageCode <i>optional</i>	string
languageDescription <i>optional</i>	string
languageName <i>optional</i>	string

LinkSource

Name	Schema
linkSourceId <i>optional</i>	integer (int32)
sourceDescription <i>optional</i>	string
sourceName <i>optional</i>	string

LoggedLink

Name	Schema
dateCreated <i>optional</i>	string (date-time)
isNullScored <i>optional</i>	boolean
label <i>optional</i>	string
leftInRecordId <i>optional</i>	string

Name	Schema
leftRecordId <i>optional</i>	integer (int64)
linkId <i>optional</i>	string
rightInRecordId <i>optional</i>	string
rightRecordId <i>optional</i>	integer (int64)
vectorValue <i>optional</i>	integer (int32)
weight <i>optional</i>	number (double)

MatchField

Name	Schema
comparatorFunction <i>optional</i>	ComparatorFunction
fieldName <i>optional</i>	string
matchThreshold <i>optional</i>	number (float)
mvalue <i>optional</i>	number (double)
nullScoring <i>optional</i>	boolean
nullWeight <i>optional</i>	number (float)
uvalue <i>optional</i>	number (double)

MatchRule

Name	Schema
fields <i>optional</i>	< MatchField > array
name <i>optional</i>	string

MergePersonsRequest

Name	Schema
retiredIdentifier <i>optional</i>	PersonIdentifier
survivingIdentifier <i>optional</i>	PersonIdentifier

NameType

Name	Schema
nameTypeCd <i>optional</i>	integer (int32)
nameTypeCode <i>optional</i>	string
nameTypeDescription <i>optional</i>	string
nameTypeName <i>optional</i>	string

Nationality

Name	Schema
nationalityCd <i>optional</i>	integer (int32)

Name	Schema
nationalityCode <i>optional</i>	string
nationalityDescription <i>optional</i>	string
nationalityName <i>optional</i>	string

Permission

Name	Schema
description <i>optional</i>	string
name <i>optional</i>	string
permissionId <i>optional</i>	integer (int32)

Person

Name	Schema
account <i>optional</i>	string
accountIdentifierDomain <i>optional</i>	IdentifierDomain
address1 <i>optional</i>	string
address2 <i>optional</i>	string
addressType <i>optional</i>	AddressType

Name	Schema
birthOrder <i>optional</i>	integer (int32)
birthPlace <i>optional</i>	string
cell <i>optional</i>	string
cellId <i>optional</i>	string
city <i>optional</i>	string
country <i>optional</i>	string
countryCode <i>optional</i>	string
custom1 <i>optional</i>	string
custom10 <i>optional</i>	string
custom11 <i>optional</i>	string
custom12 <i>optional</i>	string
custom13 <i>optional</i>	string
custom14 <i>optional</i>	string
custom15 <i>optional</i>	string

Name	Schema
custom16 <i>optional</i>	string
custom17 <i>optional</i>	string
custom18 <i>optional</i>	string
custom19 <i>optional</i>	string
custom2 <i>optional</i>	string
custom20 <i>optional</i>	string
custom3 <i>optional</i>	string
custom4 <i>optional</i>	string
custom5 <i>optional</i>	string
custom6 <i>optional</i>	string
custom7 <i>optional</i>	string
custom8 <i>optional</i>	string
custom9 <i>optional</i>	string
dateChanged <i>optional</i>	string (date-time)

Name	Schema
dateCreated <i>optional</i>	string (date-time)
dateOfBirth <i>optional</i>	string (date-time)
dateVoided <i>optional</i>	string (date-time)
deathInd <i>optional</i>	string
deathTime <i>optional</i>	string (date-time)
degree <i>optional</i>	string
district <i>optional</i>	string
districtId <i>optional</i>	string
email <i>optional</i>	string
ethnicGroup <i>optional</i>	EthnicGroup
familyName <i>optional</i>	string
familyName2 <i>optional</i>	string
fatherName <i>optional</i>	string
gender <i>optional</i>	Gender

Name	Schema
givenName <i>optional</i>	string
groupNumber <i>optional</i>	string
language <i>optional</i>	Language
maritalStatusCode <i>optional</i>	string
middleName <i>optional</i>	string
motherName <i>optional</i>	string
mothersMaidenName <i>optional</i>	string
multipleBirthInd <i>optional</i>	string
nameType <i>optional</i>	NameType
nationality <i>optional</i>	Nationality
personId <i>optional</i>	integer (int32)
personIdentifiers <i>optional</i>	< PersonIdentifier > array
phoneAreaCode <i>optional</i>	string
phoneCountryCode <i>optional</i>	string

Name	Schema
phoneExt <i>optional</i>	string
phoneNumber <i>optional</i>	string
phoneType <i>optional</i>	PhoneType
postalCode <i>optional</i>	string
prefix <i>optional</i>	string
province <i>optional</i>	string
race <i>optional</i>	Race
religion <i>optional</i>	Religion
sector <i>optional</i>	string
sectorId <i>optional</i>	string
ssn <i>optional</i>	string
state <i>optional</i>	string
suffix <i>optional</i>	string
userChangedBy <i>optional</i>	User

Name	Schema
userCreatedBy <i>optional</i>	User
userVoidedBy <i>optional</i>	User
village <i>optional</i>	string
villageId <i>optional</i>	string

PersonIdentifier

Name	Schema
dateCreated <i>optional</i>	string (date-time)
dateVoided <i>optional</i>	string (date-time)
identifier <i>optional</i>	string
identifierDomain <i>optional</i>	IdentifierDomain
personIdentifierId <i>optional</i>	integer (int32)
userCreatedBy <i>optional</i>	User
userVoidedBy <i>optional</i>	User

PersonLink

Name	Schema
clusterId <i>optional</i>	integer (int32)
dateCreated <i>optional</i>	string (date-time)
linkSource <i>optional</i>	LinkSource
personLeft <i>optional</i>	Person
personLinkId <i>optional</i>	integer (int32)
personRight <i>optional</i>	Person
userCreatedBy <i>optional</i>	User
vector <i>optional</i>	integer (int32)
weight <i>optional</i>	number (double)

PersonPagedRequest

Name	Schema
firstResult <i>optional</i>	integer (int32)
maxResults <i>optional</i>	integer (int32)
person <i>optional</i>	Person

PhoneType

Name	Schema
phoneTypeCd <i>optional</i>	integer (int32)
phoneTypeCode <i>optional</i>	string
phoneTypeDescription <i>optional</i>	string
phoneTypeName <i>optional</i>	string

ProbabilisticMatchingConfiguration

Name	Schema
configurationDirectory <i>optional</i>	string
convergenceError <i>optional</i>	number (double)
entityName <i>optional</i>	string
falseNegativeProbability <i>optional</i>	number (float)
falsePositiveProbability <i>optional</i>	number (float)
fields <i>optional</i>	< MatchField > array
initialMValue <i>optional</i>	number (double)
initialPValue <i>optional</i>	number (double)

Name	Schema
initialUValue <i>optional</i>	number (double)
loggingByVectors <i>optional</i>	boolean
loggingByVectorsFraction <i>optional</i>	number (double)
loggingByWeight <i>optional</i>	boolean
loggingByWeightFraction <i>optional</i>	number (double)
loggingByWeightLowerBound <i>optional</i>	number (double)
loggingByWeightUpperBound <i>optional</i>	number (double)
loggingDestination <i>optional</i>	string
loggingVectors <i>optional</i>	< integer (int32) > array
lowerBound <i>optional</i>	number (double)
maxIterations <i>optional</i>	integer (int32)
pvalue <i>optional</i>	number (double)
samplingRate <i>optional</i>	number (float)
upperBound <i>optional</i>	number (double)

Name	Schema
vectorConfig <i>optional</i>	< VectorConfiguration > array

Race

Name	Schema
raceCd <i>optional</i>	integer (int32)
raceCode <i>optional</i>	string
raceDescription <i>optional</i>	string
raceName <i>optional</i>	string

Record

Name	Schema
dateChanged <i>optional</i>	string
dateCreated <i>optional</i>	string
dateVoided <i>optional</i>	string
entityId <i>optional</i>	integer (int32)
fields <i>optional</i>	< FieldValue > array
identifiers <i>optional</i>	< Identifier > array

Name	Schema
internalRecordId <i>optional</i>	string
recordId <i>optional</i>	integer (int64)
userChangedBy <i>optional</i>	User
userCreatedBy <i>optional</i>	User
userVoidedBy <i>optional</i>	User

RecordLink

Name	Schema
dateCreated <i>optional</i>	string
dateReviewed <i>optional</i>	string
entityId <i>optional</i>	integer (int32)
leftRecord <i>optional</i>	Record
recordLinkId <i>optional</i>	string
rightRecord <i>optional</i>	Record
source <i>optional</i>	string
state <i>optional</i>	string

Name	Schema
userCreatedBy <i>optional</i>	integer (int32)
userReviewedBy <i>optional</i>	integer (int32)
vector <i>optional</i>	integer (int32)
weight <i>optional</i>	number (double)

RecordPair

Name	Schema
leftRecord <i>optional</i>	Record
matchOutcome <i>optional</i>	integer (int32)
rightRecord <i>optional</i>	Record
weight <i>optional</i>	number (double)

Religion

Name	Schema
religionCd <i>optional</i>	integer (int32)
religionCode <i>optional</i>	string
religionDescription <i>optional</i>	string

Name	Schema
religionName <i>optional</i>	string

Report

Name	Schema
description <i>optional</i>	string
name <i>optional</i>	string
nameDisplayed <i>optional</i>	string
reportId <i>optional</i>	integer (int32)
reportParameters <i>optional</i>	< ReportParameter > array

ReportParameter

Name	Schema
description <i>optional</i>	string
name <i>optional</i>	string
nameDisplayed <i>optional</i>	string
parameterDatatype <i>optional</i>	integer (int32)
reportParameterId <i>optional</i>	integer (int32)

ReportRequest

Name	Schema
entity <i>optional</i>	Entity
reportId <i>optional</i>	integer (int32)
reportParameters <i>optional</i>	< ReportRequestParameter > array
requestDate <i>optional</i>	string (date-time)

ReportRequestEntry

Name	Schema
dateCompleted <i>optional</i>	string (date-time)
dateCompletedStr <i>optional</i>	string
dateRequestedStr <i>optional</i>	string
entity <i>optional</i>	Entity
report <i>optional</i>	Report
reportHandle <i>optional</i>	string
reportRequestId <i>optional</i>	integer (int32)
userRequested <i>optional</i>	User

ReportRequestParameter

Name	Schema
parameterName <i>optional</i>	string
parameterValue <i>optional</i>	string

ReviewRecordPair

Name	Schema
dateCreated <i>optional</i>	string (date-time)
dateReviewed <i>optional</i>	string (date-time)
linkSource <i>optional</i>	LinkSource
personLeft <i>optional</i>	Person
personRight <i>optional</i>	Person
recordsMatch <i>optional</i>	boolean
reviewRecordPairId <i>optional</i>	integer (int32)
userCreatedBy <i>optional</i>	User
userReviewedBy <i>optional</i>	User
vector <i>optional</i>	integer (int32)

Name	Schema
weight <i>optional</i>	number (double)

Role

Name	Schema
description <i>optional</i>	string
id <i>optional</i>	integer (int64)
name <i>optional</i>	string
permissions <i>optional</i>	< Permission > array

StringList

Name	Schema
data <i>optional</i>	< string > array

SynonymEntry

Name	Schema
fieldName <i>optional</i>	string
synonymId <i>optional</i>	string
synonyms <i>optional</i>	< string > array

TransformationFunction

Name	Schema
functionName <i>optional</i>	string
name <i>optional</i>	string
parameterNames <i>optional</i>	< string > array

User

Name	Schema
accountExpired <i>optional</i>	boolean
accountLocked <i>optional</i>	boolean
address <i>optional</i>	Address
credentialsExpired <i>optional</i>	boolean
email <i>optional</i>	string
enabled <i>optional</i>	boolean
firstName <i>optional</i>	string
id <i>optional</i>	integer (int64)
identifierDomain <i>optional</i>	IdentifierDomain

Name	Schema
lastName <i>optional</i>	string
password <i>optional</i>	string
passwordHint <i>optional</i>	string
permissions <i>optional</i>	< Permission > array
phoneNumber <i>optional</i>	string
roles <i>optional</i>	< Role > array
username <i>optional</i>	string
website <i>optional</i>	string

UserFile

Name	Schema
dateCreated <i>optional</i>	string (date-time)
filename <i>optional</i>	string
imported <i>optional</i>	string
isEntity <i>optional</i>	boolean
name <i>optional</i>	string

Name	Schema
owner <i>optional</i>	User
profileProcessed <i>optional</i>	string
profiled <i>optional</i>	string
rowsImported <i>optional</i>	integer (int32)
rowsProcessed <i>optional</i>	integer (int32)
userFileId <i>optional</i>	integer (int32)

UserSession

Name	Schema
sessionId <i>optional</i>	string
user <i>optional</i>	User

VectorConfiguration

Name	Schema
algorithmClassification <i>optional</i>	integer (int32)
loggedLinkCount <i>optional</i>	integer (int64)
manualClassification <i>optional</i>	integer (int32)

Name	Schema
vectorValue <i>optional</i>	integer (int32)
weight <i>optional</i>	number (double)

authenticationRequest

Request object that encapsulates authentication credentials

Name	Schema
password <i>optional</i>	string
username <i>optional</i>	string

Security

openempi_session_key

Type : apiKey

Name : OPENEMPI_SESSION_KEY

In : HEADER