

master document for generating PDF

= Genomic Data Management (GDM)

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# Overview

The GDM web service API provides a comprehensive set of RESTful methods for accomplishing the following core tasks in the GOBii Genomic Data Management (GDM) system. This manual explains the GDM web architecture and its web service operations.

## Version information

*Version* : 1.0

## License information

*License* : Apache 2.0

*License URL* : <http://www.apache.org/licenses/LICENSE-2.0.html>

*Terms of service* : null

## URI scheme

*Host* : localhost:8081

*BasePath* : /api

*Schemes* : HTTP

## Tags

- Analyses
- Authentication
- ConfigSettings
- Contacts
- ContactsSearch
- ControlledVocabularies
- CvGroups
- CvGroups.cvs
- Cvs
- Datasets
- Datasets.analyses
- Datasets.jobs
- Datasets.types
- Displays
- Entities
- Entities.count



- Entities.lastModified
- Entities.parent.child.count
- Experiments
- Experiments.protocols
- Files
- Files.jobs
- Files.loader
- Instructions.extractor
- Instructions.extractor.jobs
- Instructions.loader
- Instructions.loader.jobs
- Jobs
- Jobs.dnasamples
- Manifests
- Maps
- Mapsets
- MarkerGroups
- MarkerSearch
- Markers
- Names
- Organizations
- Platform.protocols
- Platforms
- Projects
- Protocols
- Protocols.vendor
- References
- RestProfiles

## Overview

GOBii's internal documentation explains in detail how the web service infrastructure is architected. It is not necessary for a consumer of the GOBii web API to understand this in great detail. However, knowing a few things about it will make it easier to understand the web method documentation.

# Language and Framework

GOBii Web Services are implemented in Java with the Spring framework. Virtually all calls conform to the same basic structure. For example, the /analyses POST method is as follows:

```
@RequestMapping(value = "/analyses", method = RequestMethod.POST)
@ResponseBody
public PayloadEnvelope<AnalysisDTO> createAnalysis(@ApiParam(required = true)
@RequestBody PayloadEnvelope<AnalysisDTO> analysisPostEnvelope,
                                                    HttpServletRequest request,
                                                    HttpServletResponse response) {

    PayloadEnvelope<AnalysisDTO> returnVal = new PayloadEnvelope<>();

    // populate returnVal . . .

    return returnVal;
}
```

The request and response are almost always wrapped in a type-parameterized PayloadEnvelope. In this case, the PayloadEnvelope is type-parameterized for the AnalysisDTO. Other methods are type parameterized according to the entity that they touch (e.g., the implementation of the /datasets POST method is type-parameterized for the DataSetDTO).

## The DTO Payload

The DTO objects are lightweight classes that contain simple data properties. They correspond roughly but not exactly to entities in the database (for example, in some cases a DTO defines a child collection of foreign-keyed entities).

For a client of this application, however, the strongly-typed nature of the implementation is irrelevant: all request responses and bodies are conveyed in plain JSON, and it is the application's job to serialize and deserialize accordingly. What a client implementation must take into account, however, is the structure of the DTO that pertains to a specific call. From the reference section for each web method in this document, you can navigate to the DTO definition.

## Request/Response Structure

The following illustrates the http body structure encompassed by the PayloadEnvelope. As mentioned above, it is the same for almost all responses as well as for the body of POST and PUT requests.

```

{
  "payload":{
    "linkCollection":{
      "linksPerDataItem":[

      ],
      "exploreLinksPerDataItem":[

      ]
    },
    "data":[

    ]
  },
  "header":{
    "gobiiProcessType":"",
    "dtoHeaderAuth":{
      "userName":null,
      "password":null,
      "token":"",
      "gobiiCropType":""
    },
    "status":{
      "succeeded":true,
      "statusMessages":[

      ],
      "statusMessagesByCode":{

      }
    },
    "pagination":null,
    "gobiiVersion":"2.0_2018-07-31",
    "cropType":""
  }
}

```

For requests, the following keys can be omitted:

- payload.linkCollection
- header

The content of the "data" array will vary depending on how the call is type-parameterized. For example, for a POST to the the /project resource, it will contain a project object, as defined by ProjectDTO.

# Authentication

All calls except for /configsettings GET require a valid authentication token. The token can be acquired via a POST to the /auth resource with an empty body and the following request headers set:

- X-Username
- X-Password

The specified header values must, of course, be a valid GOBii username and password. Both values are expected to be unencrypted (https will provide encryption for the overall request stream).

GOBii users must be defined in the system's LDAP and in the GOBii contact table. Accordingly, there can be two types of authentication failures:

- 401 Unauthorized: the user does not authenticate to LDAP;
- 403 Forbidden: the contact record does not exist. In this case, the error will indicate "Missing contact info for user <user-name> in crop database <crop-db>; a contact record must have username = <user-name>";

When authentication succeeds, the response headers will contain an X-Auth-Token key whose value is a valid token. For subsequent requests, it is sufficient to supply X-Auth-Token in the request headers with the token that was received from the /auth POST. Some browsers prevent the client code from reading custom response headers. For such cases, the token value can also be retrieved from the "token" key in the "dtoHeaderAuth" object.

## Error Handling

Errors internal to GOBii are reported in the "header" key accompanying the response. An example of how to retrieve error data is provided in the following code fragment.

```
if (!header.getStatus().isSucceeded() ||
    header
        .getStatus()
        .getStatusMessages()
        .stream()
        .filter(headerStatusMessage ->
headerStatusMessage.getGobiiStatusLevel().equals(GobiiStatusLevel.VALIDATION))
        .count() > 0) {
    returnVal = true;
    System.out.println();
    System.out.println("*** Header errors: ");
    for (HeaderStatusMessage currentStatusMesage :
header.getStatus().getStatusMessages()) {
        System.out.println(currentStatusMesage.getMessage());
    }
}
```

# Paths

## POST /gobii/v1/Pings the Gobii System

### Parameters

Type	Name	Schema
Body	body —	<a href="#">PayloadEnvelopePingDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopePingDTO</a>

## POST /analyses

POST /gobii/v1/analyses

### Description

Create analysis entity for GDM system.

### Parameters

Type	Name	Schema
Body	body —	<a href="#">PayloadEnvelopeAnalysisDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeAnalysisDTO</a>

### Tags

- Analyses

# GET /analyses

```
GET /gobii/v1/analyses
```

## Description

List of all Analysis entities.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeAnalysisDTO</a>

## Tags

- Analyses

# GET /analyses/{analysisId}

```
GET /gobii/v1/analyses/{analysisId}
```

## Description

Get analyses by analyses Id.

## Parameters

Type	Name	Description	Schema
Path	<b>analysisId</b> —	ID of Analysis to be extracted.	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeAnalysisDTO</a>

## Tags

- Analyses

# PUT /analyses/{analysisId}

PUT /gobii/v1/analyses/{analysisId}

## Description

Updates the Analysis entity having the specified analysisId.

## Parameters

Type	Name	Description	Schema
Path	<b>analysisId</b> —	ID of Analysis to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeAnalysisDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeAnalysisDTO</a>

## Tags

- Analyses

# POST /auth

POST /gobii/v1/auth

## Description

The user credentials are specified in the request headers X-Username and X-Password; the response and the response headers include the token in the X-Auth-Token header. X-Auth-Token header and value obtained from /auth call will be used as an API-key for the rest of the GDM calls.

## Parameters

Type	Name	Description	Schema
Header	<b>X-Password</b> —	User password	string

Type	Name	Description	Schema
Header	X-Username —	User Identifier	string
Body	body —		string

## Responses

HTTP Code	Description	Schema
200	OK Headers : `X-Auth-Token ` (string) : API key to authenticate GDM api calls.	string

## Tags

- Authentication

## GET /configsettings

```
GET /gobii/v1/configsettings/
```

## Description

List all configuration settings. +Provides generic configuration information about the GOBii instances in a given deployment. This call does not require authentication

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeConfigSettingsDTO</a>

## Tags

- ConfigSettings

## GET /contacts-search

```
GET /gobii/v1/contact-search
```



## Description

List contacts for emailid, lastname, firstname, username.

## Parameters

Type	Name	Description	Schema
Query	<b>email</b> —	contact's email	string
Query	<b>firstName</b> —	contact's first name	string
Query	<b>lastName</b> —	contact's last name	string
Query	<b>userName</b> —	contact's user name	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeContactDTO</a>

## Tags

- ContactsSearch

## POST /contacts

POST /gobii/v1/contacts

## Description

Create new contact.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeContactDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeContactDTO</a>

## Tags

- Contacts

## GET /contacts

```
GET /gobii/v1/contacts
```

## Description

List all contacts.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeContactDTO</a>

## Tags

- Contacts

## GET /contacts/{contactId}

```
GET /gobii/v1/contacts/{contactId}
```

## Description

Get contacts by Contact Id.

## Parameters

Type	Name	Description	Schema
Path	<b>contactId</b> —	ID of contacts to be extracted.	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeContactDTO</a>

## Tags

- Contacts

## PUT /contacts/{contactId}

```
PUT /gobii/v1/contacts/{contactId}
```

## Description

Update contact by contact id.

## Parameters

Type	Name	Description	Schema
Path	<b>contactId</b> —	ID of contacts to be updated.	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeContactDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeContactDTO</a>

## Tags

- Contacts

## GET /contacts/{email}

```
GET /gobii/v1/contacts/{email}
```

## Description

Get contact by email id.

## Parameters

Type	Name	Description	Schema
Path	email —	email id of contacts to be extracted.	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeContactDTO</a>

## Tags

- Contacts

## GET /cvgroups/{cvGroupId}/cvs

```
GET /gobii/v1/cvgroups/{cvGroupId}/cvs
```

## Description

List CV terms in given group

## Parameters

Type	Name	Description	Schema
Path	cvGroupId —	ID of the CV group.	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</a>

## Tags

- CvGroups.cvs

# GET /cvgroups/{cvGroupId}

```
GET /gobii/v1/cvgroups/{cvGroupId}
```

## Description

Get CV group by cv group type ID

## Parameters

Type	Name	Description	Schema
Path	cvGroupId	ID of the cv group type	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvGroupDTO</a>

## Tags

- CvGroups

# Get /cvgroups/{groupName}

```
GET /gobii/v1/cvgroups/{groupName}
```

## Description

Get CV group by name

## Parameters

Type	Name	Description	Schema
Path	groupName	name of the cv group to be extracted	string
Query	cvGroupId		integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvGroupDTO</a>

## Tags

- CvGroups

## POST /cvs

POST /gobii/v1/cvs

## Description

Creates new cv's.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeCvDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</a>

## Tags

- ControlledVocabularies

## GET /cvs

GET /gobii/v1/cvs

## Description

List all cvs in the GDM.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</a>

## Tags

- ControlledVocabularies

## GET /cvs/{cvId}

```
GET /gobii/v1/cvs/{cvId}
```

## Description

Get cv by the id.

## Parameters

Type	Name	Description	Schema
Path	cvId —	ID of the CV to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</a>

## Tags

- ControlledVocabularies

## PUT /cvs/{cvId}

```
PUT /gobii/v1/cvs/{cvId}
```

## Description

Update cv by cvId.

## Parameters

Type	Name	Description	Schema
Path	cvId —	ID of the CV to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeCvDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</a>

## Tags

- ControlledVocabularies

## DELETE /cvs/{cvId}

```
DELETE /gobii/v1/cvs/{cvId}
```

## Description

Deletes cv by id.

## Parameters

Type	Name	Description	Schema
Path	cvId —	ID of cv to be deleted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</a>

## Tags

- ControlledVocabularies



## GET /cvs/{groupName}

```
GET /gobii/v1/cvs/{groupName}
```

### Description

List cvs by the group name.

### Parameters

Type	Name	Description	Schema
Path	<b>groupName</b> —	name of cv group to be extracted	string

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</a>

### Tags

- Cvs

## POST /datasets

```
POST /gobii/v1/datasets
```

### Description

Creates a new dataset in the system.

### Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeDataSetDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDataSetDTO</a>

## Tags

- Datasets

## GET /datasets

```
GET /gobii/v1/datasets
```

### Description

List all the existing datasets in the system. The list can be retrieved by page and specific page size.

### Parameters

Type	Name	Description	Schema
Query	pageNo —	Retrieve the specified page by number	integer (int32)
Query	pageSize —	Specify the custom page size	integer (int32)
Query	queryId —		string

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDataSetDTO</a>

## Tags

- Datasets

## GET /datasets/types

```
GET /gobii/v1/datasets/types
```

## Description

Lists dataset types in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeNameIdDTO</a>

## Tags

- Datasets.types

## GET /datasets/types/{id}

```
GET /gobii/v1/datasets/types/{id}
```

## Description

Gets the Dataset type by type ID.

## Parameters

Type	Name	Description	Schema
Path	id —	ID of the dataset type	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDataSetDTO</a>

## Tags

- Datasets.types

## GET /datasets/{dataSetId}

```
GET /gobii/v1/datasets/{dataSetId}
```

## Description

Gets the Dataset entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>datasetId</b> —	ID of the Dataset to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDatasetDTO</a>

## Tags

- Datasets

## PUT /datasets/{datasetId}

```
PUT /gobii/v1/datasets/{datasetId}
```

## Description

Updates the Dataset entity having the specified datasetId.

## Parameters

Type	Name	Description	Schema
Path	<b>datasetId</b> —	ID of the Dataset to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeDatasetDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDatasetDTO</a>

## Tags

- Datasets

## GET /datasets/{dataSetId}/analyses

```
GET /gobii/v1/datasets/{dataSetId}/analyses
```

### Description

Lists all the analysis in a dataset identified by dataset id.

### Parameters

Type	Name	Description	Schema
Path	<b>dataSetId</b> —	ID of the dataset	integer (int32)

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeAnalysisDTO</a>

## Tags

- Datasets.analyses

## GET /datasets/{datasetId}/jobs

```
GET /gobii/v1/datasets/{datasetId}/jobs
```

### Description

List information for active job for a given datasetId

### Parameters

Type	Name	Description	Schema
Path	<b>datasetId</b> —	ID of the dataset	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

## Tags

- Datasets.jobs

## POST /displays

POST /gobii/v1/displays

### Description

Creates displays in GDM.

### Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeDisplayDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDisplayDTO</a>

## Tags

- Displays

## GET /displays

GET /gobii/v1/displays

### Description

Lists all Displays in GDM

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDisplayDTO</a>

## Tags

- Displays

## GET /displays/{displayId}

```
GET /gobii/v1/displays/{displayId}
```

## Description

Get the Display by display Id

## Parameters

Type	Name	Description	Schema
Path	<b>displayId</b> —	ID of the Display to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDisplayDTO</a>

## Tags

- Displays

## PUT /displays/{displayId}

```
PUT /gobii/v1/displays/{displayId}
```

## Description

Updates the Display entity having the specified displayId.

## Parameters

Type	Name	Description	Schema
Path	<b>displayId</b> —	ID of the Display to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeDisplayDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeDisplayDTO</a>

## Tags

- Displays

## GET /entities

```
GET /gobii/v1/entities
```

## Description

Lists all the existing entities in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeEntityStatsDTO</a>

## Tags

- Entities

## Gets

### /entities/{entityNameParent}/{parentId}/{entityNameChild}/count

```
GET /gobii/v1/entities/{entityNameParent}/{parentId}/{entityNameChild}/count
```



## Description

Retrieves the total count of the children for the given entity

## Parameters

Type	Name	Description	Schema
Path	entityNameChild —	Name of the child entity	string
Path	entityNameParent —	Name of the parent entity	string
Path	parentId —	ID of the parent entity	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeEntityStatsDTO</a>

## Tags

- Entities.parent.child.count

## GET /entities/{entityName}/count

```
GET /gobii/v1/entities/{entityName}/count
```

## Description

Gets the total Entity count for the given entityName

## Parameters

Type	Name	Description	Schema
Path	entityName —	Name of the Entity	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeEntityStatsDTO</a>

## Tags

- Entities.count

## GET /entities/{entityName}/lastmodified

```
GET /gobii/v1/entities/{entityName}/lastmodified
```

## Description

Gets last modified Entity for the given entityName

## Parameters

Type	Name	Description	Schema
Path	<b>entityName</b> —	Name of the Entity	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeEntityStatsDTO</a>

## Tags

- Entities.lastModified

## POST /experiments

```
POST /gobii/v1/experiments
```

## Description

Creates a new experiment in the system.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeExperimentDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeExperimentDTO</a>

## Tags

- Experiments

## GET /experiments

```
GET /gobii/v1/experiments
```

## Description

List all the existing experiments in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeExperimentDTO</a>

## Tags

- Experiments

## GET /experiments/{experimentId}

```
GET /gobii/v1/experiments/{experimentId}
```

## Description

Gets the Experiment entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>experimentId</b> —	ID of the Experiment to be updated	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeExperimentDTO</a>

## Tags

- Experiments

## PUT /experiments/{experimentId}

```
PUT /gobii/v1/experiments/{experimentId}
```

## Description

Updates the Experiment entity having the specified experimentId.

## Parameters

Type	Name	Description	Schema
Path	<b>experimentId</b> —	ID of the Experiment to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeExperimentDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeExperimentDTO</a>

## Tags

- Experiments

## GET /experiments/{experimentId}/protocols

```
GET /gobii/v1/experiments/{experimentId}/protocols
```

### Description

Retrieves all the protocols having the specified experimentId in the system.

### Parameters

Type	Name	Description	Schema
Path	<b>experimentId</b> —	ID of the Experiment	integer (int32)

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProtocolDTO</a>

### Tags

- Experiments.protocols

## GET /files/loader/{directoryName}

```
GET /gobii/v1/files/loader/{directoryName}
```

### Description

Gets file preview for the specified directory name

### Parameters

Type	Name	Description	Schema
Path	<b>directoryName</b> —	Name of the directory	string
Query	<b>fileFormat</b> —	Format/Extension of the file	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeLoaderFilePreviewDTO</a>

## Tags

- Files.loader

## PUT /files/loader/{directoryName}

```
PUT /gobii/v1/files/loader/{directoryName}
```

## Description

Updates a directory in the system that will be used for storing the data files for loading

## Parameters

Type	Name	Description	Schema
Path	directoryName	Name of the directory/folder	string
Body	body		<a href="#">PayloadEnvelopeLoaderFilePreviewDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeLoaderFilePreviewDTO</a>

## Tags

- Files.loader

## POST /files/{destinationType}

```
POST /gobii/v1/files/{destinationType}
```

## Description

Uploads an arbitrary file to the specified destination

## Parameters

Type	Name	Description	Schema
Path	<b>destinationType</b> —	Destination type where the file will be uploaded to	string
Query	<b>file</b> —	The file to be uploaded	string
Query	<b>fileName</b> —	Name of the file to be uploaded	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Tags

- Files

## DELETE /files/{destinationType}

```
DELETE /gobii/v1/files/{destinationType}
```

## Description

Deletes an arbitrary file from the specified destination

## Parameters

Type	Name	Description	Schema
Path	<b>destinationType</b> —	Destination type where the file will be delete from	string
Query	<b>fileName</b> —	Name of the file to be deleted	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `text/plain`

## Tags

- Files

# POST /files/{gobiiJobId}/{destinationType}

```
POST /gobii/v1/files/{gobiiJobId}/{destinationType}
```

## Description

Uploads the specified file for a specific job to the specified directory

## Parameters

Type	Name	Description	Schema
Path	<b>destinationType</b> —	Destination type where the file will be uploaded to	string
Path	<b>gobiiJobId</b> —	ID of the Job that the file will be associated to	string
Query	<b>file</b> —	The file to be uploaded	string
Query	<b>fileName</b> —	Name of the file	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Tags

- Files.jobs



# GET /files/{gobiiJobId}/{destinationType}

```
GET /gobii/v1/files/{gobiiJobId}/{destinationType}
```

## Description

Downloads the specified file for a specific job from the specified directory

## Parameters

Type	Name	Description	Schema
Path	<b>destinationType</b> —	Destination type where the file will be downloaded from	string
Path	<b>gobiiJobId</b> —	ID of the Job	string
Query	<b>fileName</b> —	Name of the file to be downloaded	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">InputStreamResource</a>

## Tags

- Files.jobs

# POST /instructions/extractor

```
POST /gobii/v1/instructions/extractor
```

## Description

Creates extractor instruction file and then submits a new Job.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeExtractorInstructionFilesDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeExtractorInstructionFilesDTO</a>

## Tags

- Instructions.extractor

## GET /instructions/extractor/jobs/{jobName}

```
GET /gobii/v1/instructions/extractor/jobs/{jobName}
```

## Description

Retrieves the extract job status along with other job details having the specified Job Name.

## Parameters

Type	Name	Description	Schema
Path	jobName —	Name of the job	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

## Tags

- Instructions.extractor.jobs

## GET /instructions/extractor/{instructionFileName}

```
GET /gobii/v1/instructions/extractor/{instructionFileName}
```

## Description

Retrieves the extractor instruction file entity having the specified instruction file name.

## Parameters

Type	Name	Description	Schema
Path	<b>instructionFile</b> <b>name</b> —	Name of the instruction file to be retrieved	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeExtractorInstructionFilesDTO</a>

## Tags

- Instructions.extractor

## POST /instructions/loader

POST /gobii/v1/instructions/loader

## Description

Creates loader instruction file and then submits a new Job.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeLoaderInstructionFilesDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeLoaderInstructionFilesDTO</a>

## Tags

- Instructions.loader

## GET /instructions/loader/jobs/{jobName}

```
GET /gobii/v1/instructions/loader/jobs/{jobName}
```

### Description

Gets the loading job status along with other job details having the specified Job Name.

### Parameters

Type	Name	Description	Schema
Path	jobName —	Name of the job	string

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

### Tags

- Instructions.loader.jobs

## GET /instructions/loader/{instructionFileName}

```
GET /gobii/v1/instructions/loader/{instructionFileName}
```

### Description

Gets the loader instruction file entity having the specified instruction file name.

### Parameters

Type	Name	Description	Schema
Path	instructionFileName —	Name of the instruction file to be retrieved.	string

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeLoaderInstructionFilesDTO</a>

## Tags

- Instructions.loader

## POST /jobs

POST /gobii/v1/jobs

## Description

Creates a new job in the system.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeJobDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

## Tags

- Jobs

## GET /jobs

GET /gobii/v1/jobs

## Description

Lists all the existing jobs in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

## Tags

- Jobs

## POST /jobs/dnasamples/{jobName}

```
POST /gobii/v1/jobs/dnasamples/{jobName}
```

## Description

Creates DNA samples for a given Job having the specified name in the system.

## Parameters

Type	Name	Description	Schema
Path	<b>jobName</b> —	Name of the Job that the DNA samples will be added to	string
Body	<b>body</b> —		<a href="#">PayloadEnvelopeDnaSampleDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

## Tags

- Jobs.dnasamples

## GET /jobs/{jobName}

```
GET /gobii/v1/jobs/{jobName}
```

## Description

Gets the Job entity having the specified name.

## Parameters

Type	Name	Description	Schema
Path	<b>jobName</b> —	Name of the Job to be extracted	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

## Tags

- Jobs

## PUT /jobs/{jobName}

```
PUT /gobii/v1/jobs/{jobName}
```

## Description

Updates the Job entity having the specified jobName.

## Parameters

Type	Name	Description	Schema
Path	<b>jobName</b> —	Name of the Job to be updated	string
Body	<b>body</b> —		<a href="#">PayloadEnvelopeJobDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeJobDTO</a>

## Tags

- Jobs

## POST /manifests

POST /gobii/v1/manifests

### Description

Creates a Manifest entity for GOBii system.

### Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeManifestDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeManifestDTO</a>

## Tags

- Manifests

## GET /manifests

GET /gobii/v1/manifests

### Description

Lists an unfiltered list of all Manifest entities.

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeManifestDTO</a>



## Tags

- Manifests

## GET /manifests/{manifestId}

```
GET /gobii/v1/manifests/{manifestId}
```

### Description

Gets the Manifest entity having the specified ID.

### Parameters

Type	Name	Description	Schema
Path	<b>manifestId</b> —	ID of the Manifest to be retrieved	integer (int32)

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeManifestDTO</a>

## Tags

- Manifests

## PUT /manifests/{manifestId}

```
PUT /gobii/v1/manifests/{manifestId}
```

### Description

Updates the Manifest entity having the specified manifestId.

### Parameters

Type	Name	Description	Schema
Path	<b>manifestId</b> —	ID of the Manifest to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeManifestDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeManifestDTO</a>

## Tags

- Manifests

## GET /maps

```
GET /gobii/v1/maps
```

## Description

Lists all the existing Mapsets in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMapsetDTO</a>

## Tags

- Maps

## POST /mapsets

```
POST /gobii/v1/mapsets
```

## Description

Creates a new mapset in the system.

## Parameters

Type	Name	Schema
Body	body —	<a href="#">PayloadEnvelopeMapsetDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelope</a> <a href="#">MapsetDTO</a>

## Tags

- Mapsets

## GET /mapsets

```
GET /gobii/v1/mapsets
```

## Description

List all the existing mapsets in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelope</a> <a href="#">MapsetDTO</a>

## Tags

- Mapsets

## GET /mapsets/{mapsetId}

```
GET /gobii/v1/mapsets/{mapsetId}
```

## Description

Gets the Mapset entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>mapsetId</b> —	ID of the Mapset to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMapsetDTO</a>

## Tags

- Mapsets

## PUT /mapsets/{mapsetId}

```
PUT /gobii/v1/mapsets/{mapsetId}
```

## Description

Updates the Mapset entity having the specified mapsetId.

## Parameters

Type	Name	Description	Schema
Path	<b>mapsetId</b> —	ID of the Mapset to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeMapsetDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMapsetDTO</a>

## Tags

- Mapsets

## GET /marker-search

```
GET /gobii/v1/marker-search
```

## Description

List Marker search results.

## Parameters

Type	Name	Description	Schema
Query	<b>name</b> —	Name of the marker	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMarkerDTO</a>

## Tags

- MarkerSearch

## POST /markergroups

POST /gobii/v1/markergroups

## Description

Creates a new marker group in the system.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeMarkerGroupDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMarkerGroupDTO</a>

## Tags

- MarkerGroups

# GET /markergroups

GET /gobii/v1/markergroups

## Description

Lists all the existing marker groups in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelope</a> <a href="#">MarkerGroupDTO</a>

## Tags

- MarkerGroups

# GET /markergroups/{markerGroupId}

GET /gobii/v1/markergroups/{markerGroupId}

## Description

Retrieves the Marker Group entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>markerGroup Id</b> —	ID of the marker group to be updated	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelope</a> <a href="#">MarkerGroupDTO</a>

## Tags

- MarkerGroups

## PUT /markergroups/{markerGroupId}

```
PUT /gobii/v1/markergroups/{markerGroupId}
```

### Description

Updates the Marker Group entity having the specified markerGroupId.

### Parameters

Type	Name	Description	Schema
Path	<b>markerGroupId</b> —	ID of the Marker Group to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeMarkerGroupDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMarkerGroupDTO</a>

### Tags

- MarkerGroups

## POST /markers

```
POST /gobii/v1/markers
```

### Description

Creates a new marker in the system.

### Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeMarkerDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelope</a> <a href="#">MarkerDTO</a>

## Tags

- Markers

## GET /markers

```
GET /gobii/v1/markers
```

## Description

Lists all the existing markers in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelope</a> <a href="#">MarkerDTO</a>

## Tags

- Markers

## GET /markers/{markerId}

```
GET /gobii/v1/markers/{markerId}
```

## Description

Retrieves the Marker entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>markerId</b> —	ID of the Marker to be extracted	integer (int32)



## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMarkerDTO</a>

## Tags

- Markers

## PUT /markers/{markerId}

```
PUT /gobii/v1/markers/{markerId}
```

## Description

Updates the Marker entity having the specified markerId.

## Parameters

Type	Name	Description	Schema
Path	<b>markerId</b> —	ID of the Marker to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeMarkerDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeMarkerDTO</a>

## Tags

- Markers

## POST /names/{entity}

```
POST /gobii/v1/names/{entity}
```

## Description

Retrieves a list of name/ID combination for a given entity and name list. For the list of entities supported see class GobiiEntityNameType. This service is specifically implemented for these filter types: NAMES\_BY\_NAME\_LIST - given a list of names, return the same list with the corresponding ID in the database. If name doesn't exist, ID will be 0. NAMES\_BY\_NAME\_LIST\_RETURN\_EXISTS - given a list of names, return the list of names with ID that exists in the database. NAMES\_BY\_NAME\_LIST\_RETURN\_ABSENT - given a list of names, return the list of names that doesn't exist in the database with 0 as the ID. Filter value varies per entity. This can be cv group name, project ID, platform ID, etc. Example use case: entity = CV; filterType = NAMES\_BY\_NAME\_LIST; filterValue = germplasm\_type. Result will be a list of CV terms with ID having germplasm\_type as the cv group

## Parameters

Type	Name	Description	Schema
Path	<b>entity</b> —	The entity to be retrieved	string
Query	<b>filterType</b> —	The filter type for the name list	string
Query	<b>filterValue</b> —	The value for the filter type	string
Body	<b>body</b> —		<a href="#">PayloadEnvelopeNameIdDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeNameIdDTO</a>

## Tags

- Names

## GET /names/{entity}

```
GET /gobii/v1/names/{entity}
```

## Description

List of name/ID combination for a given entity. For the list of entities supported see class GobiiEntityNameType. List can further be filtered out by specifying the filter type and value. For the list of filter types supported see class GobiiFilterType. Example use case: entity = CV; filterType =

NAMES\_BY\_TYPE\_NAME; filterValue = statusResult will be a list of CV terms having status as the cv group

## Parameters

Type	Name	Description	Schema
Path	<b>entity</b> —	The entity to be retrieved	string
Query	<b>filterType</b> —	The filter type for the name list	string
Query	<b>filterValue</b> —	The value for the filter type	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeNameIdDTO</a>

## Tags

- Names

# POST /organizations

POST /gobii/v1/organizations

## Description

Creates a new organization in the system.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Tags

- Organizations

## GET /organizations

```
GET /gobii/v1/organizations
```

### Description

List all the existing organizations in the system.

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Tags

- Organizations

## GET /organizations/{organizationId}

```
GET /gobii/v1/organizations/{organizationId}
```

### Description

Retrieves the Organization entity having the specified ID.

### Parameters

Type	Name	Description	Schema
Path	organizationId	ID of the Organization to be extracted	integer (int32)

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Tags

- Organizations

## PUT /organizations/{organizationId}

```
PUT /gobii/v1/organizations/{organizationId}
```

### Description

Updates the Organization entity having the specified organizationId.

### Parameters

Type	Name	Description	Schema
Path	organizationId	ID of the Organization to be updated	integer (int32)
Body	body		<a href="#">PayloadEnvelopeOrganizationDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Tags

- Organizations

## POST /platforms

```
POST /gobii/v1/platforms
```

### Description

Creates a new Platform in the system.

### Parameters

Type	Name	Schema
Body	body —	<a href="#">PayloadEnvelopePlatformDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopePlatformDTO</a>

## Tags

- Platforms

## GET /platforms

```
GET /gobii/v1/platforms
```

## Description

List all the existing platforms in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopePlatformDTO</a>

## Tags

- Platforms

## GET /platforms/protocols/{vendorProtocolId}

```
GET /gobii/v1/platforms/protocols/{vendorProtocolId}
```

## Description

Gets the Platform entity having the specified Vendor Protocol ID.

## Parameters

Type	Name	Description	Schema
Path	vendorProtocolId	ID of the vendor protocol	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopePlatformDTO</a>

## Tags

- Platform.protocols

## GET /platforms/{platformId}

```
GET /gobii/v1/platforms/{platformId}
```

## Description

Retrieves the Platform entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	platformId	ID of the Platform to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopePlatformDTO</a>

## Tags

- Platforms

## PUT /platforms/{platformId}

```
PUT /gobii/v1/platforms/{platformId}
```

### Description

Updates the Platform entity having the specified platformId.

### Parameters

Type	Name	Description	Schema
Path	<b>platformId</b> —	ID of the Platform to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopePlatformDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopePlatformDTO</a>

### Tags

- Platforms

## GET /projects

```
POST /gobii/v1/projects
```

### Description

Creates a new project in the system.

### Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeProjectDTO</a>

### Responses



HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProjectDTO</a>

## Tags

- Projects

## GET /projects

```
GET /gobii/v1/projects
```

## Description

List all the existing projects in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProjectDTO</a>

## Tags

- Projects

## GET /projects/{projectId}

```
GET /gobii/v1/projects/{projectId}
```

## Description

Retrieves the Project entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>projectId</b> —	ID of the Project to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProjectDTO</a>

## Tags

- Projects

## PUT /projects/{projectId}

```
PUT /gobii/v1/projects/{projectId}
```

## Description

Updates the Project entity having the specified projectId.

## Parameters

Type	Name	Description	Schema
Path	<b>projectId</b> —	ID of the Project to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeProjectDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProjectDTO</a>

## Tags

- Projects

## POST /protocols

```
POST /gobii/v1/protocols
```

## Description

Creates a new Protocol in the system.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeProtocolDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProtocolDTO</a>

## Tags

- Protocols

## GET /protocols

```
GET /gobii/v1/protocols
```

## Description

List all the existing protocols in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProtocolDTO</a>

## Tags

- Protocols

## GET /protocols/{protocolId}

```
GET /gobii/v1/protocols/{protocolId}
```

## Description

Retrieves the Protocol entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>protocolId</b> —	ID of the Protocol to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProtocolDTO</a>

## Tags

- Protocols

## PUT /protocols/{protocolId}

```
PUT /gobii/v1/protocols/{protocolId}
```

## Description

Updates the Protocol entity having the specified protocolId.

## Parameters

Type	Name	Description	Schema
Path	<b>protocolId</b> —	ID of the Protocol to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeProtocolDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeProtocolDTO</a>

## Tags

- Protocols

## POST /protocols/{protocolId}/vendors

```
POST /gobii/v1/protocols/{protocolId}/vendors
```

### Description

Creates a new Vendor Protocol in the system for specified Protocol ID.

### Parameters

Type	Name	Description	Schema
Path	<b>protocolId</b> —	ID of the Protocol	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeOrganizationDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Tags

- Protocols.vendor

## GET /protocols/{protocolId}/vendors

```
GET /gobii/v1/protocols/{protocolId}/vendors
```

### Description

List all the vendor protocols given protocolId in the system.

### Parameters

Type	Name	Description	Schema
Path	<b>protocolId</b> —	ID of the Protocol ID	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Tags

- Protocols.vendor

## PUT /protocols/{protocolId}/vendors

```
PUT /gobii/v1/protocols/{protocolId}/vendors
```

## Description

Updates the Vendor Protocol entity having the specified protocolId.

## Parameters

Type	Name	Description	Schema
Path	<b>protocolId</b> —	ID of the Protocol	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Tags

- Protocols.vendor

## POST /references

```
POST /gobii/v1/references
```

## Description

Creates a new reference in the system.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	<a href="#">PayloadEnvelopeReferenceDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeReferenceDTO</a>

## Tags

- References

## GET /references

```
GET /gobii/v1/references
```

## Description

Lists all the existing references in the system.

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeReferenceDTO</a>

## Tags

- References

## GET /references/{referenceId}

```
GET /gobii/v1/references/{referenceId}
```

## Description

Gets the Reference entity having the specified ID.

## Parameters

Type	Name	Description	Schema
Path	<b>referenceId</b> —	ID of the Reference to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeReferenceDTO</a>

## Tags

- References

## PUT /references/{referenceId}

```
PUT /gobii/v1/references/{referenceId}
```

## Description

Updates the Reference entity having the specified referenceId.

## Parameters

Type	Name	Description	Schema
Path	<b>referenceId</b> —	ID of the Reference to be updated	integer (int32)
Body	<b>body</b> —		<a href="#">PayloadEnvelopeReferenceDTO</a>

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeReferenceDTO</a>



## Tags

- References

## /restprofiles/

PUT /gobii/v1/restprofiles

### Description

Update REST profiles When the Header of the payload envelope for a resource contains maxGet, maxPost, and maxPut values, this resource provides a means to update the max for a given rest resource ID and for a given HTTP verb. The values are transient in the sense that they will be confined only to a specific web service deployment. They are stored in the web service configurationdocument

### Parameters

Type	Name	Schema
Body	body —	<a href="#">PayloadEnvelopeRestProfileDTO</a>

### Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeRestProfileDTO</a>

## Tags

- RestProfiles

## Definitions

### AnalysisDTO

Name	Schema
algorithm —	string
allowedProcessTypes —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
analysisDescription —	string

Name	Schema
<b>analysisId</b> —	integer (int32)
<b>analysisName</b> —	string
<b>anlaysisTypeId</b> —	integer (int32)
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>id</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>parameters</b> —	< <a href="#">EntityPropertyDTO</a> > array
<b>program</b> —	string
<b>programVersion</b> —	string
<b>referenceId</b> —	integer (int32)
<b>sourceName</b> —	string
<b>sourceUri</b> —	string
<b>sourceVersion</b> —	string
<b>statusId</b> —	integer (int32)
<b>timeExecuted</b> —	string (date-time)

## ConfigSettingsDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>id</b> —	integer (int32)
<b>maxUploadSizeMbytes</b> —	integer (int32)
<b>serverCapabilities</b> —	< string, boolean > map
<b>serverConfigs</b> —	< string, <a href="#">ServerConfigItem</a> > map

## ContactDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>code</b> —	string
<b>contactId</b> —	integer (int32)
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>email</b> —	string
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPPLASM, JOB)
<b>firstName</b> —	string
<b>id</b> —	integer (int32)
<b>lastName</b> —	string
<b>modifiedBy</b> —	integer (int32)

Name	Schema
<b>modifiedDate</b> —	string (date-time)
<b>organizationId</b> —	integer (int32)
<b>roles</b> —	< integer (int32) > array
<b>userName</b> —	string

## CvDTO

Name	Schema
<b>abbreviation</b> —	string
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>cvId</b> —	integer (int32)
<b>definition</b> —	string
<b>entityStatus</b> —	integer (int32)
<b>group</b> —	integer (int32)
<b>groupId</b> —	integer (int32)
<b>groupType</b> —	integer (int32)
<b>id</b> —	integer (int32)
<b>rank</b> —	integer (int32)
<b>term</b> —	string
<b>xrefId</b> —	integer (int32)

## CvGroupDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array

Name	Schema
<b>cvGroupId</b> —	integer (int32)
<b>definition</b> —	string
<b>groupType</b> —	integer (int32)
<b>id</b> —	integer (int32)
<b>name</b> —	string

## DataSetDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>analysesIds</b> —	< integer (int32) > array
<b>callingAnalysisId</b> —	integer (int32)
<b>callingAnalysisName</b> —	string
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>dataFile</b> —	string
<b>dataSetId</b> —	integer (int32)
<b>dataTable</b> —	string
<b>datasetName</b> —	string
<b>datatypeId</b> —	integer (int32)
<b>datatypeName</b> —	string
<b>experimentId</b> —	integer (int32)
<b>experimentName</b> —	string

Name	Schema
<b>id</b> —	integer (int32)
<b>jobId</b> —	integer (int32)
<b>jobStatusId</b> —	integer (int32)
<b>jobStatusName</b> —	string
<b>jobSubmittedDate</b> —	string (date-time)
<b>jobTypeId</b> —	integer (int32)
<b>jobTypeName</b> —	string
<b>loaderFirstName</b> —	string
<b>loaderLastName</b> —	string
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>piContactId</b> —	integer (int32)
<b>piEmail</b> —	string
<b>piFirstName</b> —	string
<b>piLastName</b> —	string
<b>platformId</b> —	integer (int32)
<b>platformName</b> —	string
<b>projectId</b> —	integer (int32)
<b>projectName</b> —	string
<b>protocolId</b> —	integer (int32)
<b>protocolName</b> —	string

Name	Schema
<b>qualityFile</b> —	string
<b>qualityTable</b> —	string
<b>scores</b> —	< integer (int32) > array
<b>statusId</b> —	integer (int32)
<b>totalMarkers</b> —	integer (int32)
<b>totalSamples</b> —	integer (int32)

## DisplayDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>columnName</b> —	string
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>displayId</b> —	integer (int32)
<b>displayName</b> —	string
<b>displayRank</b> —	integer (int32)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>id</b> —	integer (int32)
<b>includeDetailsList</b> —	boolean
<b>modifiedBy</b> —	integer (int32)

Name	Schema
<b>modifiedDate</b> —	string (date-time)
<b>tableName</b> —	string
<b>tableNamesWithColDisplay</b> —	< string, < <a href="#">TableColDisplay</a> > array > map

## DnaSampleDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>analysisMethodName</b> —	string
<b>dnaRunId</b> —	integer (int32)
<b>dnaSampleId</b> —	integer (int32)
<b>dnaSampleName</b> —	string
<b>dnaSampleNum</b> —	integer (int32)
<b>dnarunName</b> —	string
<b>experimentId</b> —	integer (int32)
<b>externalCode</b> —	string
<b>germplasmExternalCode</b> —	string
<b>germplasmId</b> —	integer (int32)
<b>germplasmName</b> —	string
<b>id</b> —	integer (int32)
<b>markerCount</b> —	integer (int32)
<b>projectId</b> —	integer (int32)



## EntityPropertyDTO

Name	Schema
<b>entityIdId</b> —	integer (int32)
<b>propertyId</b> —	integer (int32)
<b>propertyName</b> —	string
<b>propertyValue</b> —	string

## EntityStatsDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>count</b> —	integer (int32)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>entityStateDateType</b> —	enum (INSERT_UPDATE, INSERT_ONLY)
<b>id</b> —	integer (int32)
<b>lastModified</b> —	string (date-time)

## ExperimentDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>datasets</b> —	< <a href="#">DataSetDTO</a> > array

Name	Schema
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>experimentCode</b> —	string
<b>experimentDataFile</b> —	string
<b>experimentId</b> —	integer (int32)
<b>experimentName</b> —	string
<b>id</b> —	integer (int32)
<b>manifestId</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>projectId</b> —	integer (int32)
<b>statusId</b> —	integer (int32)
<b>vendorProtocolId</b> —	integer (int32)

## ExtractorInstructionFilesDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>gobiiExtractorInstructions</b> —	< <a href="#">GobiiExtractorInstruction</a> > array
<b>id</b> —	integer (int32)
<b>instructionFileName</b> —	string
<b>jobId</b> —	string

# GobiiDataSetExtract

Name	Schema
<b>accolate</b> —	boolean
<b>dataSet</b> —	<a href="#">PropNameId</a>
<b>extractDestinationDirectory</b> —	string
<b>extractedFiles</b> —	< file > array
<b>gobiiDatasetType</b> —	<a href="#">PropNameId</a>
<b>gobiiExtractFilterType</b> —	enum (UNKNOWN, WHOLE_DATASET, BY_MARKER, BY_SAMPLE)
<b>gobiiFileType</b> —	enum (HAPMAP, FLAPJACK, GENERIC, VCF, META_DATA)
<b>gobiiJobStatus</b> —	enum (CV_PROGRESSTATUS_PENDING, CV_PROGRESSTATUS_INPROGRESS, CV_PROGRESSTATUS_COMPLETED, CV_PROGRESSTATUS_FAILED, CV_PROGRESSTATUS_VALIDATION, CV_PROGRESSTATUS_DIGEST, CV_PROGRESSTATUS_TRANSFORMATION, CV_PROGRESSTATUS_METADATALOAD, CV_PROGRESSTATUS_MATRIXLOAD, CV_PROGRESSTATUS_ABORTED, CV_PROGRESSTATUS_METADATAEXTRACT, CV_PROGRESSTATUS_FINALASSEMBLY, CV_PROGRESSTATUS_QCPROCESSING, CV_PROGRESSTATUS_NOSTATUS)
<b>gobiiSampleListType</b> —	enum (GERMPLASM_NAME, EXTERNAL_CODE, DNA_SAMPLE)
<b>listFileName</b> —	string
<b>logMessage</b> —	string
<b>markerGroups</b> —	< <a href="#">PropNameId</a> > array
<b>markerList</b> —	< string > array
<b>platforms</b> —	< <a href="#">PropNameId</a> > array
<b>principleInvestigator</b> —	<a href="#">PropNameId</a>

Name	Schema
<b>project</b> —	<a href="#">PropNameId</a>
<b>sampleList</b> —	< string > array

## GobiiExtractorInstruction

Name	Schema
<b>contactEmail</b> —	string
<b>contactId</b> —	integer (int32)
<b>dataSetExtracts</b> —	< <a href="#">GobiiDataSetExtract</a> > array
<b>gobiiCropType</b> —	string
<b>mapsetIds</b> —	< integer (int32) > array
<b>qcCheck</b> —	boolean

## GobiiFile

Name	Schema
<b>createSource</b> —	boolean
<b>delimiter</b> —	string
<b>destination</b> —	string
<b>gobiiFileType</b> —	enum (HAPMAP, FLAPJACK, GENERIC, VCF, META_DATA)
<b>requireDirectoriesToExist</b> —	boolean
<b>source</b> —	string

## GobiiFileColumn

Name	Schema
<b>constantValue</b> —	string

Name	Schema
<b>dataSetOrientationType</b> —	enum (SAMPLE_FAST, MARKER_FAST)
<b>dataSetType</b> —	enum (NUCLEOTIDE_2_LETTER, IUPAC, SSR_ALLELE_SIZE, DOMINANT_NON_NUCLEOTIDE, CO_DOMINANT_NON_NUCLEOTIDE, VCF)
<b>filterFrom</b> —	string
<b>filterTo</b> —	string
<b>findText</b> —	string
<b>getcCoord</b> —	integer (int32)
<b>getrCoord</b> —	integer (int32)
<b>gobiiColumnType</b> —	enum (CSV_COLUMN, CSV_ROW, CSV_BOTH, VCF_SAMPLE, VCF_MARKER, VCF_VARIANT, VCF_METADATA, VCF_INFO, CONSTANT, AUTOINCREMENT, VCF_MARKER_POS)
<b>index</b> —	string
<b>metaDataId</b> —	string
<b>name</b> —	string
<b>replaceText</b> —	string
<b>subcolumn</b> —	boolean
<b>subcolumnDelimiter</b> —	string

## GobiiLoaderInstruction

Name	Schema
<b>columnsByTableName</b> —	< string, < <a href="#">GobiiFileColumn</a> > array > map
<b>contactEmail</b> —	string
<b>contactId</b> —	integer (int32)
<b>dataSet</b> —	<a href="#">PropNameId</a>

Name	Schema
<b>dataSetId</b> —	integer (int32)
<b>datasetType</b> —	<a href="#">PropNameId</a>
<b>experiment</b> —	<a href="#">PropNameId</a>
<b>gobiiCropType</b> —	string
<b>gobiiFile</b> —	<a href="#">GobiiFile</a>
<b>gobiiFileColumns</b> —	< <a href="#">GobiiFileColumn</a> > array
<b>gobiiJobStatus</b> —	enum (CV_PROGRESSTATUS_PENDING, CV_PROGRESSTATUS_INPROGRESS, CV_PROGRESSTATUS_COMPLETED, CV_PROGRESSTATUS_FAILED, CV_PROGRESSTATUS_VALIDATION, CV_PROGRESSTATUS_DIGEST, CV_PROGRESSTATUS_TRANSFORMATION, CV_PROGRESSTATUS_METADATALOAD, CV_PROGRESSTATUS_MATRIXLOAD, CV_PROGRESSTATUS_ABORTED, CV_PROGRESSTATUS_METADATAEXTRACT, CV_PROGRESSTATUS_FINALASSEMBLY, CV_PROGRESSTATUS_QCPROCESSING, CV_PROGRESSTATUS_NOSTATUS)
<b>jobPayloadType</b> —	enum (CV_PAYLOADTYPE_SAMPLES, CV_PAYLOADTYPE_MARKERS, CV_PAYLOADTYPE_MATRIX, CV_PAYLOADTYPE_MARKERSAMPLES, CV_PAYLOADTYPE_ALLMETA)
<b>logMessage</b> —	string
<b>mapset</b> —	<a href="#">PropNameId</a>
<b>platform</b> —	<a href="#">PropNameId</a>
<b>project</b> —	<a href="#">PropNameId</a>
<b>qcCheck</b> —	boolean
<b>table</b> —	string
<b>vcfParameters</b> —	<a href="#">VcfParameters</a>

# Header

Name	Schema
<b>cropType</b> —	string
<b>dtoHeaderAuth</b> —	<a href="#">HeaderAuth</a>
<b>gobiiProcessType</b> —	enum (CREATE, READ, UPDATE, DELETE, NONE)
<b>gobiiVersion</b> —	string
<b>maxGet</b> —	integer (int32)
<b>maxPost</b> —	integer (int32)
<b>maxPut</b> —	integer (int32)
<b>pagination</b> —	<a href="#">Pagination</a>
<b>status</b> —	<a href="#">Status</a>

# HeaderAuth

Name	Schema
<b>gobiiCropType</b> —	string
<b>password</b> —	string
<b>token</b> —	string
<b>userName</b> —	string

# HeaderStatusMessage

Name	Schema
<b>gobiiStatusLevel</b> —	enum (ERROR, VALIDATION, WARNING, INFO, OK)

Name	Schema
<b>gobiiValidationStatusType</b> —	enum (NONE, UNKNOWN, VALIDATION_COMPOUND_UNIQUE, VALIDATION_NOT_UNIQUE, NONEXISTENT_FK_ENTITY, BAD_REQUEST, MISSING_REQUIRED_VALUE, ENTITY_DOES_NOT_EXIST, ENTITY_ALREADY_EXISTS, UNKNOWN_ENUM_VALUE, RESOURCE_LIMIT)
<b>message</b> —	string

## InputStream

Type : object

## InputStreamResource

Name	Schema
<b>description</b> —	string
<b>file</b> —	file
<b>filename</b> —	string
<b>inputStream</b> —	<a href="#">InputStream</a>
<b>open</b> —	boolean
<b>readable</b> —	boolean
<b>uri</b> —	string (uri)
<b>url</b> —	string (url)

## JobDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>datasetIds</b> —	< integer (int32) > array
<b>id</b> —	integer (int32)



Name	Schema
<b>jobId</b> —	integer (int32)
<b>jobName</b> —	string
<b>message</b> —	string
<b>payloadType</b> —	string
<b>status</b> —	string
<b>submittedBy</b> —	integer (int32)
<b>submittedDate</b> —	string (date-time)
<b>type</b> —	string

## Link

Name	Schema
<b>description</b> —	string
<b>href</b> —	string
<b>methods</b> —	< enum (GET, POST, PUT, PATCH, DELETE, OPTIONS) > array

## LinkCollection

Name	Schema
<b>exploreLinksPerDataItem</b> —	< < <a href="#">Link</a> > array > array
<b>linksPerDataItem</b> —	< <a href="#">Link</a> > array

## LoaderFilePreviewDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>directoryName</b> —	string

Name	Schema
<b>fileList</b> —	< string > array
<b>filePreview</b> —	< < string > array > array
<b>id</b> —	integer (int32)
<b>previewFileName</b> —	string

## LoaderInstructionFilesDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>gobiiLoaderInstructions</b> —	< <a href="#">GobiiLoaderInstruction</a> > array
<b>id</b> —	integer (int32)
<b>instructionFileName</b> —	string

## ManifestDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>code</b> —	string
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>filePath</b> —	string
<b>id</b> —	integer (int32)

Name	Schema
<b>manifestId</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>name</b> —	string

## MapsetDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>code</b> —	string
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>description</b> —	string
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>id</b> —	integer (int32)
<b>mapType</b> —	integer (int32)
<b>mapsetId</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>name</b> —	string
<b>properties</b> —	< <a href="#">EntityPropertyDTO</a> > array

Name	Schema
<b>referenceId</b> —	integer (int32)
<b>statusId</b> —	integer (int32)

## MarkerDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>alts</b> —	< integer (int32) > array
<b>code</b> —	string
<b>id</b> —	integer (int32)
<b>markerId</b> —	integer (int32)
<b>markerName</b> —	string
<b>platformId</b> —	integer (int32)
<b>platformName</b> —	string
<b>ref</b> —	string
<b>referenceId</b> —	integer (int32)
<b>sequence</b> —	string
<b>status</b> —	integer (int32)
<b>strand</b> —	integer (int32)
<b>strandId</b> —	integer (int32)
<b>variantId</b> —	integer (int32)

## MarkerGroupDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>code</b> —	string
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>germplasmGroup</b> —	string
<b>id</b> —	integer (int32)
<b>markerGroupId</b> —	integer (int32)
<b>markerMap</b> —	< string, < string > array > map
<b>markers</b> —	< <a href="#">MarkerGroupMarkerDTO</a> > array
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>name</b> —	string
<b>statusId</b> —	integer (int32)

## MarkerGroupMarkerDTO

Name	Schema
<b>favorableAllele</b> —	string
<b>gobiiProcessType</b> —	enum (CREATE, READ, UPDATE, DELETE, NONE)
<b>markerExists</b> —	boolean

Name	Schema
<b>markerId</b> —	integer (int32)
<b>markerName</b> —	string
<b>platformId</b> —	integer (int32)
<b>platformName</b> —	string

## NameIdDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>entityLasetModified</b> —	string (date-time)
<b>fkId</b> —	integer (int32)
<b>gobiiEntityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>gobiiFkEntityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>id</b> —	integer (int32)
<b>name</b> —	string
<b>queryObject</b> —	object

## OrganizationDTO

Name	Schema
<b>address</b> —	string

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>id</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>name</b> —	string
<b>organizationId</b> —	integer (int32)
<b>statusId</b> —	integer (int32)
<b>vendorProtocols</b> —	< <a href="#">VendorProtocolDTO</a> > array
<b>website</b> —	string

## Pagination

Name	Schema
<b>currentPage</b> —	integer (int32)
<b>pageSize</b> —	integer (int32)
<b>pagedQueryId</b> —	string
<b>queryTime</b> —	string (date-time)
<b>totalPages</b> —	integer (int32)

## Payload

Name	Schema
<b>data</b> —	< object > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadAnalysisDTO

Name	Schema
<b>data</b> —	< <a href="#">AnalysisDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadConfigSettingsDTO

Name	Schema
<b>data</b> —	< <a href="#">ConfigSettingsDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadContactDTO

Name	Schema
<b>data</b> —	< <a href="#">ContactDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadCvDTO

Name	Schema
<b>data</b> —	< <a href="#">CvDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>



## PayloadCvGroupDTO

Name	Schema
<b>data</b> —	< <a href="#">CvGroupDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadDataSetDTO

Name	Schema
<b>data</b> —	< <a href="#">DataSetDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadDisplayDTO

Name	Schema
<b>data</b> —	< <a href="#">DisplayDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadDnaSampleDTO

Name	Schema
<b>data</b> —	< <a href="#">DnaSampleDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadEntityStatsDTO

Name	Schema
<b>data</b> —	< <a href="#">EntityStatsDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadEnvelope

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadObject</a>

## PayloadEnvelopeAnalysisDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadAnalysisDTO</a>

## PayloadEnvelopeConfigSettingsDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadConfigSettingsDTO</a>

## PayloadEnvelopeContactDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadContactDTO</a>

## PayloadEnvelopeCvDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadCvDTO</a>

## PayloadEnvelopeCvGroupDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadCvGroupDTO</a>

## PayloadEnvelopeDataSetDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadDataSetDTO</a>

## PayloadEnvelopeDisplayDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadDisplayDTO</a>

## PayloadEnvelopeDnaSampleDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadDnaSampleDTO</a>

## PayloadEnvelopeEntityStatsDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadEntityStatsDTO</a>

## PayloadEnvelopeExperimentDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadExperimentDTO</a>

## PayloadEnvelopeExtractorInstructionFilesDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadExtractorInstructionFilesDTO</a>

## PayloadEnvelopeJobDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadJobDTO</a>

## PayloadEnvelopeLoaderFilePreviewDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadLoaderFilePreviewDTO</a>

## PayloadEnvelopeLoaderInstructionFilesDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadLoaderInstructionFilesDTO</a>

## PayloadEnvelopeManifestDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadManifestDTO</a>

## PayloadEnvelopeMapsetDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadMapsetDTO</a>

## PayloadEnvelopeMarkerDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadMarkerDTO</a>

## PayloadEnvelopeMarkerGroupDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadMarkerGroupDTO</a>

## PayloadEnvelopeNameIdDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadNameIdDTO</a>

## PayloadEnvelopeOrganizationDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadOrganizationDTO</a>

## PayloadEnvelopePingDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadPingDTO</a>

## PayloadEnvelopePlatformDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadPlatformDTO</a>

## PayloadEnvelopeProjectDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadProjectDTO</a>

## PayloadEnvelopeProtocolDTO

Name	Schema
header —	<a href="#">Header</a>
payload —	<a href="#">PayloadProtocolDTO</a>

## PayloadEnvelopeReferenceDTO

Name	Schema
<b>header</b> —	<a href="#">Header</a>
<b>payload</b> —	<a href="#">PayloadReferenceDTO</a>

## PayloadEnvelopeRestProfileDTO

Name	Schema
<b>header</b> —	<a href="#">Header</a>
<b>payload</b> —	<a href="#">PayloadRestProfileDTO</a>

## PayloadExperimentDTO

Name	Schema
<b>data</b> —	< <a href="#">ExperimentDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadExtractorInstructionFilesDTO

Name	Schema
<b>data</b> —	< <a href="#">ExtractorInstructionFilesDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadJobDTO

Name	Schema
<b>data</b> —	< <a href="#">JobDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadLoaderFilePreviewDTO

Name	Schema
<b>data</b> —	< <a href="#">LoaderFilePreviewDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadLoaderInstructionFilesDTO

Name	Schema
<b>data</b> —	< <a href="#">LoaderInstructionFilesDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadManifestDTO

Name	Schema
<b>data</b> —	< <a href="#">ManifestDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadMapsetDTO

Name	Schema
<b>data</b> —	< <a href="#">MapsetDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadMarkerDTO

Name	Schema
<b>data</b> —	< <a href="#">MarkerDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>



## PayloadMarkerGroupDTO

Name	Schema
<b>data</b> —	< <a href="#">MarkerGroupDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadNameIdDTO

Name	Schema
<b>data</b> —	< <a href="#">NameIdDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadObject

Name	Schema
<b>data</b> —	< object > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadOrganizationDTO

Name	Schema
<b>data</b> —	< <a href="#">OrganizationDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadPingDTO

Name	Schema
<b>data</b> —	< <a href="#">PingDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadPlatformDTO

Name	Schema
<b>data</b> —	< <a href="#">PlatformDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadProjectDTO

Name	Schema
<b>data</b> —	< <a href="#">ProjectDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadProtocolDTO

Name	Schema
<b>data</b> —	< <a href="#">ProtocolDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadReferenceDTO

Name	Schema
<b>data</b> —	< <a href="#">ReferenceDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

## PayloadRestProfileDTO

Name	Schema
<b>data</b> —	< <a href="#">RestProfileDTO</a> > array
<b>linkCollection</b> —	<a href="#">LinkCollection</a>

# PingDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>dbMetaData</b> —	< string > array
<b>id</b> —	integer (int32)
<b>pingResponses</b> —	< string > array

# PlatformDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPPLASM, JOB)
<b>id</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>platformCode</b> —	string
<b>platformDescription</b> —	string
<b>platformId</b> —	integer (int32)
<b>platformName</b> —	string
<b>properties</b> —	< <a href="#">EntityPropertyDTO</a> > array

Name	Schema
<b>statusId</b> —	integer (int32)
<b>typeId</b> —	integer (int32)

## ProjectDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>id</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>piContact</b> —	integer (int32)
<b>principleInvestigators</b> —	< string, string > map
<b>projectCode</b> —	string
<b>projectDescription</b> —	string
<b>projectId</b> —	integer (int32)
<b>projectName</b> —	string
<b>projectStatus</b> —	integer (int32)
<b>properties</b> —	< <a href="#">EntityPropertyDTO</a> > array

## PropNameId

Name	Schema
<b>id</b> —	integer (int32)
<b>name</b> —	string

## ProtocolDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>description</b> —	string
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>id</b> —	integer (int32)
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>name</b> —	string
<b>platformId</b> —	integer (int32)
<b>props</b> —	< <a href="#">EntityPropertyDTO</a> > array
<b>protocolId</b> —	integer (int32)
<b>status</b> —	integer (int32)
<b>typeId</b> —	integer (int32)

Name	Schema
<b>vendorProtocols</b> —	< <a href="#">VendorProtocolDTO</a> > array

## ReferenceDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>createdBy</b> —	integer (int32)
<b>createdDate</b> —	string (date-time)
<b>entityNameType</b> —	enum (UNKNOWN, ANALYSIS, CONTACT, DATASET, CV, CVGROUP, PROJECT, ORGANIZATION, PLATFORM, MANIFEST, MAPSET, MARKER_GROUP, EXPERIMENT, REFERENCE, ROLE, DISPLAY, MARKER, PROTOCOL, VENDOR_PROTOCOL, DNASAMPLE, LINKAGE_GROUP, DNARUN, GERMPLASM, JOB)
<b>filePath</b> —	string
<b>id</b> —	integer (int32)
<b>link</b> —	string
<b>modifiedBy</b> —	integer (int32)
<b>modifiedDate</b> —	string (date-time)
<b>name</b> —	string
<b>referenceId</b> —	integer (int32)
<b>version</b> —	string

## RestProfileDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>id</b> —	integer (int32)

Name	Schema
<b>max</b> —	integer (int32)
<b>restMethodType</b> —	enum (GET, POST, PUT, PATCH, DELETE, OPTIONS)
<b>restResourceId</b> —	enum (GOBII_AUTH, GOBII_PING, GOBII_PROJECTS, GOBII_NAME_ID_LIST_DEPRECATED, GOBII_NAMES, GOBII_FILE_LOAD, GOBII_FILE_LOAD_INSTRUCTIONS, GOBII_FILE_EXTRACTOR_INSTRUCTIONS, GOBII_FILE_EXTRACTOR_JOBS, GOBII_FILE_LOADER_JOBS, GOBII_DISPLAY, GOBII_CV, GOBII_CVGROUP, GOBII_CONTACTS, GOBII_CONTACT_SEARCH, GOBII_ORGANIZATION_SEARCH, GOBII_REFERENCE, GOBII_EXPERIMENTS, GOBII_DATASETS, GOBII_DATASETTYPES, GOBII_ANALYSIS, GOBII_MARKERGROUP, GOBII_MANIFEST, GOBII_ORGANIZATION, GOBII_PLATFORM, GOBII_MAPSET, GOBII_CONFIGSETTINGS, GOBII_ROLES, GOBII_MARKERS, GOBII_MARKER_SEARCH, GOBII_CALLS, GOBII_GERMPLASM, GOBII_OBSERVATION_VARIABLES, GOBII_PROTOCOL, GOBII_VENDORS, GOBII_FILES, GOBII_JOB, GOBII_ENTITIES, GOBII_COUNT, GOBII_LAST_MODIFIED, GOBII_VERTICES, GOBII_VALUES, GOBII_REST_PROFILES, GOBII_DNASAMPLES, GOBII_DNARUN, GOBII_LINKAGEGROUP, GOBII_JOB_DNASAMPLE, BRAPI_ALLELE_MATRIX_SEARCH, BRAPI_ALLELE_MATRIX_SEARCH_STATUS, BRAPI_ALLELE_MATRICES, KDC_START, KDC_STATUS, KDC_DOWNLOAD, KDC_PURGE, BRAPI_LOGIN, BRAPI_STUDIES_SEARCH, BRAPI_STUDIES, BRAPI_CALLS)
<b>templateParameter</b> —	string

## ServerConfigItem

Name	Schema
<b>confidentialityNotice</b> —	string
<b>contextRoot</b> —	string
<b>domain</b> —	string
<b>fileLocations</b> —	< string, string > map

Name	Schema
<b>gobiiCropType</b> —	string
<b>port</b> —	integer (int32)

## Status

Name	Schema
<b>statusMessages</b> —	< <a href="#">HeaderStatusMessage</a> > array
<b>statusMessagesByCode</b> —	< string, string > map
<b>succeeded</b> —	boolean

## TableColDisplay

Name	Schema
<b>columnName</b> —	string
<b>displayId</b> —	integer (int32)
<b>displayName</b> —	string
<b>rank</b> —	integer (int32)

## VcfParameters

Name	Schema
<b>maf</b> —	number (float)
<b>minDp</b> —	number (float)
<b>minQ</b> —	number (float)
<b>removeIndels</b> —	boolean
<b>toIupac</b> —	boolean



# VendorProtocolDTO

Name	Schema
<b>allowedProcessTypes</b> —	< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
<b>id</b> —	integer (int32)
<b>name</b> —	string
<b>organizationId</b> —	integer (int32)
<b>protocolId</b> —	integer (int32)
<b>status</b> —	integer (int32)
<b>vendorProtocolId</b> —	integer (int32)