# 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* : cbsugobiixvm11.biohpc.cornell.edu:8081
*BasePath* : /gobii-dev
*Schemes* : HTTP

## Tags

- Analyses

- Authentication

- ConfigSettings

- Contacts

- ControlledVocabularies

- Datasets

- Displays

- Entities

- Experiments

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- Instructions

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# 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 frameowrk. 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;
}
```

Ther request and response are almost always wrapped in a type-parameterized PayloadEvenlope. 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 entitites).

For a client of this application, however, the strongly-typed nature of the implementation is irrelvant: 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 all. From the reference section for each web method in this document, youcan 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

## Create a new analyses.

```
POST /gobii/v1/analyses
```

### Description

Create analysis entity for GDM system.

### Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Body | body — | | PayloadEnvelopeAnalysisDTO |

### Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeAnalysisDTO |

## Tags

- Analyses

# List all analyses

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

## Description

List of all Analysis entities.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeAnalysisDTO |

## Tags

- Analyses

# Get an analyses by analysesId

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

## Description

Get analyses by analyses Id.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **analysisId** — | ID of Analysis to be extracted. | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeAnalysisDTO |

## Tags

- Analyses

# Update the analyses by analysesId

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

## Description

Updates the Analysis entity having the specified analysisId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token**<br>— | Authentication Token | string |
| **Path** | **analysisId**<br>— | ID of Analysis to be updated | integer (int32) |
| **Body** | **body**<br>— | | PayloadEnvelopeAnalysisDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeAnalysisDTO |

## Tags

- Analyses

# authenticate

```
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 | X-Password — | User password | string |
| Header | X-Username — | User Identifier | string |
| Body | body — | | string |

## Responses

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

## Tags

- Authentication

# List all configuration settings.

```
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

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | X-Auth-Token — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeConfigSettingsDTO |

## Tags

- ConfigSettings

# List all contacts from Contacts search

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

## Description

List contacts for emailid, lastname, firstname, username.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Query** | **email** — | | string |
| **Query** | **firstName** — | | string |
| **Query** | **lastName** — | | string |
| **Query** | **userName** — | | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeContactDTO |

## Tags

- Contacts

# Create a new contact

```
POST /gobii/v1/contacts
```

## Description

Create new contact.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Body | **body** — | | PayloadEnvelopeContactDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeContactDTO |

## Tags

- Contacts

# List all contacts

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

## Description

List all contacts.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeContactDTO |

**Tags**

- Contacts

# Get a contact by contact id

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

## Description

Get contacts by Contact Id.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **contactId** — | ID of contacts to be extracted. | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeContactDTO |

**Tags**

- Contacts

# Update a contact by contactId

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

## Description

Update contact by contact id.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Path | **contactId** — | ID of contacts to be updated. | integer (int32) |
| Body | **body** — | | PayloadEnvelopeContactDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeContactDTO |

## Tags

- Contacts

# Get contact by email id

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

## Description

Get contact by email id.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Path | **email** — | email id of contacts to be extracted. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeContactDTO |

- Contacts

# list

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

## Description

List CV terms in CV group with cvGroupId

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token __ | Authentication Token | string |
| Path | cvGroupId __ | ID of the CV group. | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeCvDTO |

## Tags

- ControlledVocabularies

# Get a CV group by cvGroupTypeId

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

## Description

Get CV group by cv group type ID

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token __ | Authentication Token | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Path** | **cvGroupTypeI d** — | ID of the cv group type | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeC vGroupDTO |

## Tags

- ControlledVocabularies

# Get a CV group by groupName

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

## Description

Get CV group by name

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **groupName** — | name of the cv group to be extracted | string |
| **Query** | **cvGroupTypeI d** — | | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeC vGroupDTO |

## Tags

- ControlledVocabularies

# Create a new Controlled Vocabulary

```
POST /gobii/v1/cvs
```

## Description

Creates new cv's.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Body | body — | | PayloadEnvelopeCvDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeCvDTO |

## Tags

- ControlledVocabularies

# List all CVs

```
GET /gobii/v1/cvs
```

## Description

List all cvs in the GDM.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeCvDTO |

**Tags**

- ControlledVocabularies

# Get a CV by cvId

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

## Description

Get cv by the id.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **cvId** — | ID of the CV to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeCvDTO |

**Tags**

- ControlledVocabularies

# Update a CV by cvId

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

## Description

Update cv by cvId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | cvId — | ID of the CV to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeCvDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeCvDTO |

## Tags

- ControlledVocabularies

# Delete a CV by cvId

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

## Description

Deletes cv by id.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | cvId — | ID of cv to be deleted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeCvDTO |

- ControlledVocabularies

# List all CVs in a given groupName

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

## Description

List cvs by the group name.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | groupName — | name of cv group to be extracted | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeCvDTO |

## Tags

- ControlledVocabularies

# Create a new dataset

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

## Description

Creates a new dataset in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Body** | **body** — | | PayloadEnvelopeDataSetDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeDataSetDTO |

## Tags

- Datasets

# List all 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 |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **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 | PayloadEnvelopeDataSetDTO |

## Tags

- Datasets

# List of types of datasets

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

## Description

Lists dataset types in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeNameIdDTO |

## Tags

- Datasets

# Get datasets by type id

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

## Description

Gets the Dataset type by type ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **id** — | ID of the dataset type | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeDataSetDTO |

## Tags

- Datasets

# Get dataset by datasetId

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

## Description

Gets the Dataset entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **dataSetId** — | ID of the Dataset to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeDataSetDTO |

## Tags

- Datasets

# Update/Replace a dataset by datasetId

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

## Description

Updates the Dataset entity having the specified datasetId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Path | **dataSetId** — | ID of the Dataset to be updated | integer (int32) |
| Body | **body** — | | PayloadEnvelopeDataSetDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeDataSetDTO |

## Tags

- Datasets

# List all analyses in a dataset with given datasetId

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

## Description

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

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Path | **dataSetId** — | ID of the dataset | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeAnalysisDTO |

**Tags**

- Datasets

# List all jobs for a dataset with datasetId

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

## Description

List information for active job for a given datasetId

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **datasetId** — | ID of the dataset | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeJobDTO |

**Tags**

- Datasets

# Create a new display

```
POST /gobii/v1/displays
```

## Description

Creates displays in GDM.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Body** | **body** — | | PayloadEnvelopeDisplayDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeDisplayDTO |

## Tags

- Displays

# List all displays

```
GET /gobii/v1/displays
```

## Description

Lists all Displays in GDM

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeDisplayDTO |

## Tags

- Displays

# Get a display by displayId

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

## Description

Get the Display by display Id

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **displayId** — | ID of the Display to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeDisplayDTO |

## Tags

- Displays

# Update a display with displayId

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

## Description

Updates the Display entity having the specified displayId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **displayId** — | ID of the Display to be updated | integer (int32) |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Body** | **body** — | | PayloadEnvelopeDisplayDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeDisplayDTO |

## Tags

- Displays

# List all entities

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

## Description

Lists all the existing entities in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeEntityStatsDTO |

## Tags

- Entities

# Get entity count for a given entity child

```
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 |
|---|---|---|---|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | entityNameCh ild — | Name of the child entity | string |
| Path | entityNamePa rent — | Name of the parent entity | string |
| Path | parentId — | ID of the parent entity | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| 200 | successful operation | PayloadEnvelopeE ntityStatsDTO |

## Tags

- Entities

# Get count for a given entity

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

## Description

Gets the total Entity count for the given entityName

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | entityName — | Name of the Entity | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeEntityStatsDTO |

## Tags

- Entities

# Get last modified date of an entity

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

## Description

Gets last modified Entity for the given entityName

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **entityName** — | Name of the Entity | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeEntityStatsDTO |

## Tags

- Entities

# Create a new experiment

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

## Description

Creates a new experiment in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Body | body — | | PayloadEnvelopeExperimentDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeExperimentDTO |

## Tags

- Experiments

# List all experiments

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

## Description

List all the existing experiments in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeExperimentDTO |

## Tags

- Experiments

# Get a experiment by experimentId

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

## Description

Gets the Experiment entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | experimentId — | ID of the Experiment to be updated | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeExperimentDTO |

## Tags

- Experiments

# Update an experiment by experimentId

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

## Description

Updates the Experiment entity having the specified experimentId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Path** | **experimentId** — | ID of the Experiment to be updated | integer (int32) |
| **Body** | **body** — | | PayloadEnvelopeExperimentDTO |

**Responses**

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeExperimentDTO |

**Tags**

- Experiments

# List all protocols for a given experimentId

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

## Description

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

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **experimentId** — | ID of the Experiment | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeProtocolDTO |

## Tags

- Experiments

# List of loader files in a given directory

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

## Description

Gets file preview for the specified directory name

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **directoryName** — | Name of the directory | string |
| **Query** | **fileFormat** — | Format/Extension of the file | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | [PayloadEnvelopeLoaderFilePreviewDTO](#) |

## Tags

- Files

# Add a loader file to given directory

```
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 |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Path | **directoryNam e** __ | Name of the directory/folder | string |
| Body | **body** __ | | PayloadEnvelopeLoa derFilePreviewDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeL oaderFilePreview DTO |

## Tags

- Files

# Upload a file to given destination

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

## Description

Uploads an arbitrary file to the specified destination

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** __ | Authentication Token | string |
| Path | **destinationTy pe** __ | Destination type where the file will be uploaded to | string |
| Query | **file** __ | The file to be uploaded | string |
| Query | **fileName** __ | Name of the file to be uploaded | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | string |

**Tags**

- Files

# Detele a file by destination type

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

## Description

Deletes an arbitrary file from the specified destination

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **destinationType** — | Destination type where the file will be delete from | string |
| **Query** | **fileName** — | Name of the file to be deleted | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | string |

## Produces

- `text/plain`

**Tags**

- Files

# Upload a file for a given job and destination type

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

## Description

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

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | destinationTy pe — | Destination type where the file will be uploaded to | string |
| Path | gobiiJobId — | ID of the Job that the file will be associated to | string |
| Query | file — | The file to be uploaded | string |
| Query | fileName — | Name of the file | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | string |

## Tags

- Files

# Download a job file from a given destination type

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

## Description

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

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | destinationTy pe — | Destination type where the file will be downloaded from | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Path | **gobiiJobId** — | ID of the Job | string |
| Query | **fileName** — | Name of the file to be downloaded | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | InputStreamResource |

## Tags

- Files

# Create an extractor instruction file

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

## Description

Creates extractor instruction file and then submits a new Job.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Body | **body** — | | PayloadEnvelopeExtractorInstructionFilesDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeExtractorInstructionFilesDTO |

## Tags

- Instructions

# Get extractor job status by 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 |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **jobName** — | Name of the job | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeJobDTO |

## Tags

- Instructions

# Download an extractor instructor file

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

## Description

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

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **instructionFileName** — | Name of the instruction file to be retrieved | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeExtractorInstructionFilesDTO |

## Tags

- Instructions

# Create loader instruction file

```
POST /gobii/v1/instructions/loader
```

## Description

Creates loader instruction file and then submits a new Job.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Body | **body** — | | PayloadEnvelopeLoaderInstructionFilesDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeLoaderInstructionFilesDTO |

## Tags

- Instructions

# Get loader job status by job name

```
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 |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | jobName — | Name of the job | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeJobDTO |

## Tags

• Instructions

# Get a loader instruction file

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

## Description

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

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | instructionFileName — | Name of the instruction file to be retrieved. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeLoaderInstructionFilesDTO |

**Tags**

- Instructions

# Create a new job

```
POST /gobii/v1/jobs
```

## Description

Creates a new job in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Body** | **body** — | | PayloadEnvelopeJobDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeJobDTO |

**Tags**

- Jobs

# List all jobs

```
GET /gobii/v1/jobs
```

## Description

Lists all the existing jobs in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeJobDTO |

## Tags

- Jobs

# Create DNA samples for a given job

```
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 |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **jobName** — | Name of the Job that the DNA samples will be added to | string |
| **Body** | **body** — | | PayloadEnvelopeDnaSampleDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeJobDTO |

## Tags

- Jobs

# Get job details by job name

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

## Description

Gets the Job entity having the specified name.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **jobName** — | Name of the Job to be extracted | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeJobDTO |

## Tags

- Jobs

# Update a job by jobName

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

## Description

Updates the Job entity having the specified jobName.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **jobName** — | Name of the Job to be updated | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Body | **body**<br>— | | PayloadEnvelopeJob<br>DTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeJ<br>obDTO |

## Tags

- Jobs

# Create a manifest

```
POST /gobii/v1/manifests
```

## Description

Creates a Manifest entity for GOBii system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token**<br>— | Authentication Token | string |
| Body | **body**<br>— | | PayloadEnvelopeMa<br>nifestDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelope<br>ManifestDTO |

## Tags

- Manifests

# List all manifests

```
GET /gobii/v1/manifests
```

## Description

Lists an unfiltered list of all Manifest entities.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelope ManifestDTO |

## Tags

- Manifests

# Get manifests by manifestId

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

## Description

Gets the Manifest entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **manifestId** — | ID of the Manifest to be retrieved | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelope ManifestDTO |

**Tags**

- Manifests

# Update a manifest

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

## Description

Updates the Manifest entity having the specified manifestId.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **manifestId** — | ID of the Manifest to be updated | integer (int32) |
| **Body** | **body** — | | PayloadEnvelopeMa nifestDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelope ManifestDTO |

**Tags**

- Manifests

# List all mapsets

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

## Description

Lists all the existing Mapsets in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token __ | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelope MapsetDTO |

## Tags

- Maps

# Create a new Mapset

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

## Description

Creates a new mapset in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token __ | Authentication Token | string |
| Body | body __ | | PayloadEnvelopeMa psetDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelope MapsetDTO |

## Tags

- Maps

# List all mapsets

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

## Description

List all the existing mapsets in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelope MapsetDTO |

## Tags

- Maps

# Get mapsets by mapsetId

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

## Description

Gets the Mapset entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **mapsetId** — | ID of the Mapset to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelope MapsetDTO |

## Tags

- Maps

# Update a mapset by mapsetId

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

## Description

Updates the Mapset entity having the specified mapsetId.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **mapsetId** — | ID of the Mapset to be updated | integer (int32) |
| **Body** | **body** — | | PayloadEnvelopeMapsetDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelope MapsetDTO |

## Tags

- Maps

# List all markers from markers search

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

## Description

List Marker search results.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Query | name — | Name of the marker | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelope MarkerDTO |

## Tags

- Markers

# Create a new Marker group

```
POST /gobii/v1/markergroups
```

## Description

Creates a new marker group in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Body | body — | | PayloadEnvelopeMarkerGroupDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelope MarkerGroupDTO |

**Tags**

- Markers

# List all markergroups

```
GET /gobii/v1/markergroups
```

## Description

Lists all the existing marker groups in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** __ | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelope MarkerGroupDTO |

**Tags**

- Markers

# Gets all markers in a given markergroup

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

## Description

Retrieves the Marker Group entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** __ | Authentication Token | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Path** | **markerGroup Id** — | ID of the marker group to be updated | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelope MarkerGroupDTO |

## Tags

- Markers

# Update a marker by markergroupId

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

## Description

Updates the Marker Group entity having the specified markerGroupId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **markerGroup Id** — | ID of the Marker Group to be updated | integer (int32) |
| **Body** | **body** — | | PayloadEnvelopeMa rkerGroupDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelope MarkerGroupDTO |

## Tags

- Markers

# Create a new marker

POST /gobii/v1/markers

## Description

Creates a new marker in the system.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Body | **body** — | | PayloadEnvelopeMarkerDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelope MarkerDTO |

## Tags

- Markers

# List all markers

GET /gobii/v1/markers

## Description

Lists all the existing markers in the system.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelope MarkerDTO |

**Tags**

- Markers

# Get a marker by markerId

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

## Description

Retrieves the Marker entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **markerId** — | ID of the Marker to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelope MarkerDTO |

**Tags**

- Markers

# Update a marker by markerId

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

## Description

Updates the Marker entity having the specified markerId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Path | **markerId** — | ID of the Marker to be updated | integer (int32) |
| Body | **body** — | | PayloadEnvelopeMarkerDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelope MarkerDTO |

## Tags

- Markers

# Create a new NameID

```
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 is 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 IDFilter 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_typeResult will be a list of CV terms with ID having germplasm_type as the cv group

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Path | **entity** — | The entity to be retrieved | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | filterType — | The filter type for the name list | string |
| Query | filterValue — | The value for the filter type | string |
| Body | body — | | PayloadEnvelopeNameIdDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeNameIdDTO |

## Tags

- Names

# List all NameIds

```
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 |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | entity — | The entity to be retrieved | string |
| Query | filterType — | The filter type for the name list | string |
| Query | filterValue — | The value for the filter type | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeNameIdDTO |

## Tags

- Names

# Create a new organization

```
POST /gobii/v1/organizations
```

## Description

Creates a new organization in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** __ | Authentication Token | string |
| **Body** | **body** __ | | PayloadEnvelopeOrganizationDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeOrganizationDTO |

## Tags

- Organizations

# List all organizations

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

## Description

List all the existing organizations in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token —** | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeOrganizationDTO |

## Tags

- Organizations

# Get organization by organizationId

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

## Description

Retrieves the Organization entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token —** | Authentication Token | string |
| **Path** | **organizationId —** | ID of the Organization to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeOrganizationDTO |

* Organizations

# Update an organization by organizationId

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

## Description

Updates the Organization entity having the specified organizationId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **organizationId** — | ID of the Organization to be updated | integer (int32) |
| **Body** | **body** — | | PayloadEnvelopeOrganizationDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeOrganizationDTO |

## Tags

* Organizations

# ping

```
POST /gobii/v1/ping
```

## Description

Pings the GDB Web server.

## Parameters

| Type | Name | Schema |
|------|------|--------|
| **Body** | **body** — | [PayloadEnvelopePingDTO](#) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | [PayloadEnvelopePingDTO](#) |

## Tags

- Ping

# Create a new platform

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

## Description

Creates a new Platform in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Body** | **body** — | | [PayloadEnvelopePlatformDTO](#) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | [PayloadEnvelopePlatformDTO](#) |

## Tags

- Platforms

# List all platforms

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

## Description

List all the existing platforms in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopePlatformDTO |

## 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 |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **vendorProtocolId** — | ID of the vendor protocol | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopePlatformDTO |

## Tags

- Platforms

# Get a platform by platformId

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

## Description

Retrieves the Platform entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **platformId** — | ID of the Platform to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopePlatformDTO |

## Tags

- Platforms

# Update a platform by platformId

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

## Description

Updates the Platform entity having the specified platformId.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | platformId — | ID of the Platform to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopePlatformDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| 200 | successful operation | PayloadEnvelopePlatformDTO |

## Tags

- Platforms

# Create a new project

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

## Description

Creates a new project in the system.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | X-Auth-Token — | Authentication Token | string |
| Body | body — | | PayloadEnvelopeProjectDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeP rojectDTO |

**Tags**

- Projects

# List all projects

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

## Description

List all the existing projects in the system.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token —** | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeP rojectDTO |

**Tags**

- Projects

# Get a project by projectId

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

## Description

Retrieves the Project entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **projectId** — | ID of the Project to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeP rojectDTO |

## Tags

- Projects

# Update a project by projectId

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

## Description

Updates the Project entity having the specified projectId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **projectId** — | ID of the Project to be updated | integer (int32) |
| **Body** | **body** — | | PayloadEnvelopePro jectDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeP rojectDTO |

# Create a new protocol

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

## Description

Creates a new Protocol in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Body | body — | | PayloadEnvelopeProtocolDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeProtocolDTO |

## Tags

- Protocols

# List all protocols

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

## Description

List all the existing protocols in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeProtocolDTO |

## Tags

- Protocols

# Get a protocol by protocolId

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

## Description

Retrieves the Protocol entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **protocolId** — | ID of the Protocol to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeProtocolDTO |

## Tags

- Protocols

# Update a protocol by protocolId

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

## Description

Updates the Protocol entity having the specified protocolId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | protocolId — | ID of the Protocol to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeProtocolDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| 200 | successful operation | PayloadEnvelopeProtocolDTO |

## Tags

- Protocols

# Create new vendors for a given protocolId

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

## Description

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

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Header | X-Auth-Token — | Authentication Token | string |
| Path | protocolId — | ID of the Protocol | integer (int32) |
| Body | body — | | PayloadEnvelopeOrganizationDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeOrganizationDTO |

## Tags

- Protocols.vendor

# List all vendors for a given protocolId

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

## Description

List all the vendor protocols given protocolId in the system.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **protocolId** — | ID of the Protocol ID | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeOrganizationDTO |

## Tags

- Protocols

# Update vendors for a given protocolId

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

## Description

Updates the Vendor Protocol entity having the specified protocolId.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Path | **protocolId** — | ID of the Protocol | integer (int32) |
| Body | **body** — | | PayloadEnvelopeOrganizationDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeOrganizationDTO |

## Tags

- Protocols

# Create a new reference

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

## Description

Creates a new reference in the system.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Header | **X-Auth-Token** — | Authentication Token | string |
| Body | **body** — | | PayloadEnvelopeReferenceDTO |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeReferenceDTO |

**Tags**

- References

# List all references

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

## Description

Lists all the existing references in the system.

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Header** | **X-Auth-Token —** | Authentication Token | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | successful operation | PayloadEnvelopeReferenceDTO |

**Tags**

- References

# GET /references/{referenceId}

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

## Description

Gets the Reference entity having the specified ID.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **referenceId** — | ID of the Reference to be extracted | integer (int32) |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeReferenceDTO |

## Tags

- References

# Update a reference by referenceId

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

## Description

Updates the Reference entity having the specified referenceId.

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Path** | **referenceId** — | ID of the Reference to be updated | integer (int32) |
| **Body** | **body** — | | PayloadEnvelopeReferenceDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeReferenceDTO |

**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 | Description | Schema |
|------|------|-------------|--------|
| **Header** | **X-Auth-Token** — | Authentication Token | string |
| **Body** | **body** — | | PayloadEnvelopeRestProfileDTO |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | successful operation | PayloadEnvelopeRestProfileDTO |

## Tags

- RestProfiles

# Definitions

## AnalysisDTO

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

| Name | Schema |
|---|---|
| **analysisDescription**<br>— | string |
| **analysisId**<br>— | integer (int32) |
| **analysisName**<br>— | string |
| **anlaysisTypeId**<br>— | integer (int32) |
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **entityNameType**<br>— | 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) |
| **id**<br>— | integer (int32) |
| **modifiedBy**<br><br>read-only__ | integer (int32) |
| **modifiedDate**<br><br>read-only__ | string (date-time) |
| **parameters**<br>— | < EntityPropertyDTO > array |
| **program**<br>— | string |
| **programVersion**<br>— | string |
| **referenceId**<br>— | integer (int32) |
| **sourceName**<br>— | string |
| **sourceUri**<br>— | string |
| **sourceVersion**<br>— | string |
| **statusId**<br>— | integer (int32) |

| Name | Schema |
|---|---|
| **timeExecuted**<br>__ | string (date-time) |

# ConfigSettingsDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>__ | < enum (CREATE, READ, UPDATE, DELETE, NONE) ><br>array |
| **id**<br>__ | integer (int32) |
| **maxUploadSizeMbytes**<br>__ | integer (int32) |
| **serverCapabilities**<br>__ | < string, boolean > map |
| **serverConfigs**<br>__ | < string, ServerConfigItem > map |

# ContactDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>__ | < enum (CREATE, READ, UPDATE, DELETE, NONE) ><br>array |
| **code**<br>__ | string |
| **contactId**<br>__ | integer (int32) |
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **email**<br>__ | string |
| **entityNameType**<br>__ | 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) |
| **firstName**<br>__ | string |

| Name | Schema |
|---|---|
| **id** <br> — | integer (int32) |
| **lastName** <br> — | string |
| **modifiedBy** <br><br> read-only__ | integer (int32) |
| **modifiedDate** <br><br> read-only__ | string (date-time) |
| **organizationId** <br> — | integer (int32) |
| **roles** <br> — | < integer (int32) > array |
| **userName** <br> — | string |

# CvDTO

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

| Name | Schema |
| --- | --- |
| **xrefId** — | integer (int32) |

# CvGroupDTO

| Name | Schema |
| --- | --- |
| **allowedProcessTypes** — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **cvGroupId** — | integer (int32) |
| **definition** — | string |
| **groupType** — | integer (int32) |
| **id** — | integer (int32) |
| **name** — | string |

# DataSetDTO

| Name | Schema |
| --- | --- |
| **allowedProcessTypes** — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **analysesIds** — | < integer (int32) > array |
| **callingAnalysisId** — | integer (int32) |
| **callingAnalysisName** — | string |
| **createdBy** — | integer (int32) |
| **createdDate** — | string (date-time) |
| **dataFile** — | string |
| **dataSetId** — | integer (int32) |
| **dataTable** — | string |
| **datasetName** — | string |

| Name | Schema |
|---|---|
| **datatypeId**<br>— | integer (int32) |
| **datatypeName**<br>— | string |
| **experimentId**<br>— | integer (int32) |
| **experimentName**<br>— | string |
| **id**<br>— | integer (int32) |
| **jobId**<br>— | integer (int32) |
| **jobStatusId**<br>— | integer (int32) |
| **jobStatusName**<br>— | string |
| **jobSubmittedDate**<br>— | string (date-time) |
| **jobTypeId**<br>— | integer (int32) |
| **jobTypeName**<br>— | string |
| **loaderFirstName**<br>— | string |
| **loaderLastName**<br>— | string |
| **modifiedBy**<br>— | integer (int32) |
| **modifiedDate**<br>— | string (date-time) |
| **piContactId**<br>— | integer (int32) |
| **piEmail**<br>— | string |
| **piFirstName**<br>— | string |
| **piLastName**<br>— | string |
| **platformId**<br>— | integer (int32) |
| **platformName**<br>— | string |

| Name | Schema |
|---|---|
| **projectId**<br>— | integer (int32) |
| **projectName**<br>— | string |
| **protocolId**<br>— | integer (int32) |
| **protocolName**<br>— | string |
| **qualityFile**<br>— | string |
| **qualityTable**<br>— | string |
| **scores**<br>— | < integer (int32) > array |
| **statusId**<br>— | integer (int32) |
| **totalMarkers**<br>— | integer (int32) |
| **totalSamples**<br>— | integer (int32) |

# DisplayDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>— | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **columnName**<br>— | string |
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **displayId**<br>— | integer (int32) |
| **displayName**<br>— | string |
| **displayRank**<br>— | integer (int32) |

| Name | Schema |
|---|---|
| **entityNameType** __ | 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) |
| **id** __ | integer (int32) |
| **includeDetailsList** __ | boolean |
| **modifiedBy** read-only__ | integer (int32) |
| **modifiedDate** read-only__ | string (date-time) |
| **tableName** __ | string |
| **tableNamesWithColDisplay** __ | < string, < TableColDisplay > array > map |

## DnaSampleDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** __ | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **analysisMethodName** __ | string |
| **dnaRunId** __ | integer (int32) |
| **dnaSampleId** __ | integer (int32) |
| **dnaSampleName** __ | string |
| **dnaSampleNum** __ | integer (int32) |
| **dnarunName** __ | string |
| **experimentId** __ | integer (int32) |
| **externalCode** __ | string |

| Name | Schema |
|---|---|
| **germplasmExternalCode** <br> — | string |
| **germplasmId** <br> — | integer (int32) |
| **germplasmName** <br> — | string |
| **id** <br> — | integer (int32) |
| **markerCount** <br> — | integer (int32) |
| **projectId** <br> — | integer (int32) |

# EntityPropertyDTO

| Name | Schema |
|---|---|
| **entityIdId** <br> — | integer (int32) |
| **propertyId** <br> — | integer (int32) |
| **propertyName** <br> — | string |
| **propertyValue** <br> — | string |

# EntityStatsDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** <br> — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **count** <br> — | integer (int32) |
| **entityNameType** <br> — | 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) |
| **entityStateDateType** <br> — | enum (INSERT_UPDATE, INSERT_ONLY) |
| **id** <br> — | integer (int32) |

| Name | Schema |
|---|---|
| **lastModified**<br>__ | string (date-time) |

# ExperimentDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>__ | < enum (CREATE, READ, UPDATE, DELETE, NONE) ><br>array |
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **datasets**<br>__ | < DataSetDTO > array |
| **entityNameType**<br>__ | 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) |
| **experimentCode**<br>__ | string |
| **experimentDataFile**<br>__ | string |
| **experimentId**<br>__ | integer (int32) |
| **experimentName**<br>__ | string |
| **id**<br>__ | integer (int32) |
| **manifestId**<br>__ | integer (int32) |
| **modifiedBy**<br><br>read-only__ | integer (int32) |
| **modifiedDate**<br><br>read-only__ | string (date-time) |
| **projectId**<br>__ | integer (int32) |

| Name | Schema |
|---|---|
| **statusId** <br> — | integer (int32) |
| **vendorProtocolId** <br> — | integer (int32) |

# ExtractorInstructionFilesDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** <br> — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **gobiiExtractorInstructions** <br> — | < [GobiiExtractorInstruction](#) > array |
| **id** <br> — | integer (int32) |
| **instructionFileName** <br> — | string |
| **jobId** <br> — | string |

# GobiiDataSetExtract

| Name | Schema |
|---|---|
| **accolate** <br> — | boolean |
| **dataSet** <br> — | [PropNameId](#) |
| **extractDestinationDirectory** <br> — | string |
| **extractedFiles** <br> — | < file > array |
| **gobiiDatasetType** <br> — | [PropNameId](#) |
| **gobiiExtractFilterType** <br> — | enum (UNKNOWN, WHOLE_DATASET, BY_MARKER, BY_SAMPLE) |
| **gobiiFileType** <br> — | enum (HAPMAP, FLAPJACK, GENERIC, VCF, META_DATA) |

| Name | Schema |
|---|---|
| **gobiiJobStatus** — | enum (CV_PROGRESSSTATUS_PENDING, CV_PROGRESSSTATUS_INPROGRESS, CV_PROGRESSSTATUS_COMPLETED, CV_PROGRESSSTATUS_FAILED, CV_PROGRESSSTATUS_VALIDATION, CV_PROGRESSSTATUS_DIGEST, CV_PROGRESSSTATUS_TRANSFORMATION, CV_PROGRESSSTATUS_METADATALOAD, CV_PROGRESSSTATUS_MATRIXLOAD, CV_PROGRESSSTATUS_ABORTED, CV_PROGRESSSTATUS_METADATAEXTRACT, CV_PROGRESSSTATUS_FINALASSEMBLY, CV_PROGRESSSTATUS_QCPROCESSING, CV_PROGRESSSTATUS_NOSTATUS) |
| **gobiiSampleListType** — | enum (GERMPLASM_NAME, EXTERNAL_CODE, DNA_SAMPLE) |
| **listFileName** — | string |
| **logMessage** — | string |
| **markerGroups** — | < PropNameId > array |
| **markerList** — | < string > array |
| **platforms** — | < PropNameId > array |
| **principleInvestigator** — | PropNameId |
| **project** — | PropNameId |
| **sampleList** — | < string > array |

# GobiiExtractorInstruction

| Name | Schema |
|---|---|
| **contactEmail** — | string |
| **contactId** — | integer (int32) |
| **dataSetExtracts** — | < GobiiDataSetExtract > array |
| **gobiiCropType** — | string |

| Name | Schema |
|---|---|
| **mapsetIds** — | < integer (int32) > array |
| **qcCheck** — | boolean |

# GobiiFile

| Name | Schema |
|---|---|
| **createSource** — | boolean |
| **delimiter** — | string |
| **destination** — | string |
| **gobiiFileType** — | enum (HAPMAP, FLAPJACK, GENERIC, VCF, META_DATA) |
| **requireDirectoriesToExist** — | boolean |
| **source** — | string |

# GobiiFileColumn

| Name | Schema |
|---|---|
| **constantValue** — | string |
| **dataSetOrientationType** — | enum (SAMPLE_FAST, MARKER_FAST) |
| **dataSetType** — | enum (NUCLEOTIDE_2_LETTER, IUPAC, SSR_ALLELE_SIZE, DOMINANT_NON_NUCLEOTIDE, CO_DOMINANT_NON_NUCLEOTIDE, VCF) |
| **filterFrom** — | string |
| **filterTo** — | string |
| **findText** — | string |
| **getcCoord** — | integer (int32) |
| **getrCoord** — | integer (int32) |

| Name | Schema |
|---|---|
| **gobiiColumnType** — | enum (CSV_COLUMN, CSV_ROW, CSV_BOTH, VCF_SAMPLE, VCF_MARKER, VCF_VARIANT, VCF_METADATA, VCF_INFO, CONSTANT, AUTOINCREMENT, VCF_MARKER_POS) |
| **index** — | string |
| **metaDataId** — | string |
| **name** — | string |
| **replaceText** — | string |
| **subcolumn** — | boolean |
| **subcolumnDelimiter** — | string |

# GobiiLoaderInstruction

| Name | Schema |
|---|---|
| **columnsByTableName** — | < string, < GobiiFileColumn > array > map |
| **contactEmail** — | string |
| **contactId** — | integer (int32) |
| **dataSet** — | PropNameId |
| **dataSetId** — | integer (int32) |
| **datasetType** — | PropNameId |
| **experiment** — | PropNameId |
| **gobiiCropType** — | string |
| **gobiiFile** — | GobiiFile |
| **gobiiFileColumns** — | < GobiiFileColumn > array |

| Name | Schema |
|------|--------|
| **gobiiJobStatus**<br>— | enum (CV_PROGRESSSTATUS_PENDING, CV_PROGRESSSTATUS_INPROGRESS, CV_PROGRESSSTATUS_COMPLETED, CV_PROGRESSSTATUS_FAILED, CV_PROGRESSSTATUS_VALIDATION, CV_PROGRESSSTATUS_DIGEST, CV_PROGRESSSTATUS_TRANSFORMATION, CV_PROGRESSSTATUS_METADATALOAD, CV_PROGRESSSTATUS_MATRIXLOAD, CV_PROGRESSSTATUS_ABORTED, CV_PROGRESSSTATUS_METADATAEXTRACT, CV_PROGRESSSTATUS_FINALASSEMBLY, CV_PROGRESSSTATUS_QCPROCESSING, CV_PROGRESSSTATUS_NOSTATUS) |
| **jobPayloadType**<br>— | enum (CV_PAYLOADTYPE_SAMPLES, CV_PAYLOADTYPE_MARKERS, CV_PAYLOADTYPE_MATRIX, CV_PAYLOADTYPE_MARKERSAMPLES, CV_PAYLOADTYPE_ALLMETA) |
| **logMessage**<br>— | string |
| **mapset**<br>— | PropNameId |
| **platform**<br>— | PropNameId |
| **project**<br>— | PropNameId |
| **qcCheck**<br>— | boolean |
| **table**<br>— | string |
| **vcfParameters**<br>— | VcfParameters |

# Header

| Name | Schema |
|------|--------|
| **cropType**<br>— | string |
| **dtoHeaderAuth**<br>— | HeaderAuth |
| **gobiiProcessType**<br>— | enum (CREATE, READ, UPDATE, DELETE, NONE) |
| **gobiiVersion**<br>— | string |

| Name | Schema |
|---|---|
| **maxGet** <br> — | integer (int32) |
| **maxPost** <br> — | integer (int32) |
| **maxPut** <br> — | integer (int32) |
| **pagination** <br> — | Pagination |
| **status** <br> — | Status |

# HeaderAuth

| Name | Schema |
|---|---|
| **gobiiCropType** <br> — | string |
| **password** <br> — | string |
| **token** <br> — | string |
| **userName** <br> — | string |

# HeaderStatusMessage

| Name | Schema |
|---|---|
| **gobiiStatusLevel** <br> — | enum (ERROR, VALIDATION, WARNING, INFO, OK) |
| **gobiiValidationStatusType** <br> — | 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) |
| **message** <br> — | string |

# InputStream

*Type* : object

# InputStreamResource

| Name | Schema |
|---|---|
| **description**<br>— | string |
| **file**<br>— | file |
| **filename**<br>— | string |
| **inputStream**<br>— | InputStream |
| **open**<br>— | boolean |
| **readable**<br>— | boolean |
| **uri**<br>— | string (uri) |
| **url**<br>— | string (url) |

# JobDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>— | < enum (CREATE, READ, UPDATE, DELETE, NONE) ><br>array |
| **datasetIds**<br>— | < integer (int32) > array |
| **id**<br>— | integer (int32) |
| **jobId**<br>— | integer (int32) |
| **jobName**<br>— | string |
| **message**<br>— | string |
| **payloadType**<br>— | string |
| **status**<br>— | string |
| **submittedBy**<br>— | integer (int32) |
| **submittedDate**<br>— | string (date-time) |

| Name | Schema |
|---|---|
| **type** — | string |

# Link

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

# LinkCollection

| Name | Schema |
|---|---|
| **exploreLinksPerDataItem** — | < < Link > array > array |
| **linksPerDataItem** — | < Link > array |

# LoaderFilePreviewDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **directoryName** — | string |
| **fileList** — | < string > array |
| **filePreview** — | < < string > array > array |
| **id** — | integer (int32) |
| **previewFileName** — | string |

# LoaderInstructionFilesDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** __ | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **gobiiLoaderInstructions** __ | < GobiiLoaderInstruction > array |
| **id** __ | integer (int32) |
| **instructionFileName** __ | string |

# ManifestDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** __ | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **code** __ | string |
| **createdBy** read-only__ | integer (int32) |
| **createdDate** read-only__ | string (date-time) |
| **entityNameType** __ | 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) |
| **filePath** __ | string |
| **id** __ | integer (int32) |
| **manifestId** __ | integer (int32) |
| **modifiedBy** read-only__ | integer (int32) |
| **modifiedDate** read-only__ | string (date-time) |
| **name** __ | string |

# MapsetDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>__ | < enum (CREATE, READ, UPDATE, DELETE, NONE) ><br>array |
| **code**<br>__ | string |
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **description**<br>__ | string |
| **entityNameType**<br><br>__ | 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) |
| **id**<br>__ | integer (int32) |
| **mapType**<br>__ | integer (int32) |
| **mapsetId**<br>__ | integer (int32) |
| **modifiedBy**<br><br>read-only__ | integer (int32) |
| **modifiedDate**<br><br>read-only__ | string (date-time) |
| **name**<br>__ | string |
| **properties**<br>__ | < EntityPropertyDTO > array |
| **referenceId**<br>__ | integer (int32) |
| **statusId**<br>__ | integer (int32) |

# MarkerDTO

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

# MarkerGroupDTO

| Name | Schema |
|------|--------|
| **allowedProcessTypes** — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **code** — | string |

| Name | Schema |
|---|---|
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **entityNameType**<br><br>__ | 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) |
| **germplasmGroup**<br>__ | string |
| **id**<br><br>__ | integer (int32) |
| **markerGroupId**<br><br>__ | integer (int32) |
| **markerMap**<br><br>__ | < string, < string > array > map |
| **markers**<br><br>__ | < MarkerGroupMarkerDTO > array |
| **modifiedBy**<br><br>read-only__ | integer (int32) |
| **modifiedDate**<br><br>read-only__ | string (date-time) |
| **name**<br><br>__ | string |
| **statusId**<br><br>__ | integer (int32) |

# MarkerGroupMarkerDTO

| Name | Schema |
|---|---|
| **favorableAllele**<br>__ | string |
| **gobiiProcessType**<br><br>__ | enum (CREATE, READ, UPDATE, DELETE, NONE) |
| **markerExists**<br>__ | boolean |

| Name | Schema |
|------|--------|
| **markerId** <br> — | integer (int32) |
| **markerName** <br> — | string |
| **platformId** <br> — | integer (int32) |
| **platformName** <br> — | string |

# NameIdDTO

| Name | Schema |
|------|--------|
| **allowedProcessTypes** <br> — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **entityLasetModified** <br> — | string (date-time) |
| **fkId** <br> — | integer (int32) |
| **gobiiEntityNameType** <br> — | 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) |
| **gobiiFkEntityNameType** <br> — | 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) |
| **id** <br> — | integer (int32) |
| **name** <br> — | string |
| **parameters** <br> — | < string, object > map |

# OrganizationDTO

| Name | Schema |
|------|--------|
| **address** <br> — | string |

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>__ | < enum (CREATE, READ, UPDATE, DELETE, NONE) ><br>array |
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **entityNameType**<br>__ | 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) |
| **id**<br>__ | integer (int32) |
| **modifiedBy**<br><br>read-only__ | integer (int32) |
| **modifiedDate**<br><br>read-only__ | string (date-time) |
| **name**<br>__ | string |
| **organizationId**<br>__ | integer (int32) |
| **statusId**<br>__ | integer (int32) |
| **vendorProtocols**<br>__ | < VendorProtocolDTO > array |
| **website**<br>__ | string |

# Pagination

| Name | Schema |
|---|---|
| **currentPage**<br>__ | integer (int32) |
| **pageSize**<br>__ | integer (int32) |
| **pagedQueryId**<br>__ | string |

| Name | Schema |
|---|---|
| **queryTime**<br>— | string (date-time) |
| **totalPages**<br>— | integer (int32) |

# Payload

| Name | Schema |
|---|---|
| **data**<br>— | < object > array |
| **linkCollection**<br>— | LinkCollection |

# PayloadAnalysisDTO

| Name | Schema |
|---|---|
| **data**<br>— | < AnalysisDTO > array |
| **linkCollection**<br>— | LinkCollection |

# PayloadConfigSettingsDTO

| Name | Schema |
|---|---|
| **data**<br>— | < ConfigSettingsDTO > array |
| **linkCollection**<br>— | LinkCollection |

# PayloadContactDTO

| Name | Schema |
|---|---|
| **data**<br>— | < ContactDTO > array |
| **linkCollection**<br>— | LinkCollection |

# PayloadCvDTO

| Name | Schema |
|---|---|
| **data** <br>— | < CvDTO > array |
| **linkCollection** <br>— | LinkCollection |

# PayloadCvGroupDTO

| Name | Schema |
|---|---|
| **data** <br>— | < CvGroupDTO > array |
| **linkCollection** <br>— | LinkCollection |

# PayloadDataSetDTO

| Name | Schema |
|---|---|
| **data** <br>— | < DataSetDTO > array |
| **linkCollection** <br>— | LinkCollection |

# PayloadDisplayDTO

| Name | Schema |
|---|---|
| **data** <br>— | < DisplayDTO > array |
| **linkCollection** <br>— | LinkCollection |

# PayloadDnaSampleDTO

| Name | Schema |
|---|---|
| **data** <br>— | < DnaSampleDTO > array |
| **linkCollection** <br>— | LinkCollection |

# PayloadEntityStatsDTO

| Name | Schema |
|---|---|
| **data**<br>— | < EntityStatsDTO > array |
| **linkCollection**<br>— | LinkCollection |

# PayloadEnvelope

| Name | Schema |
|---|---|
| **header**<br>— | Header |
| **payload**<br>— | PayloadObject |

# PayloadEnvelopeAnalysisDTO

| Name | Schema |
|---|---|
| **header**<br>— | Header |
| **payload**<br>— | PayloadAnalysisDTO |

# PayloadEnvelopeConfigSettingsDTO

| Name | Schema |
|---|---|
| **header**<br>— | Header |
| **payload**<br>— | PayloadConfigSettingsDTO |

# PayloadEnvelopeContactDTO

| Name | Schema |
|---|---|
| **header**<br>— | Header |
| **payload**<br>— | PayloadContactDTO |

# PayloadEnvelopeCvDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadCvDTO |

## PayloadEnvelopeCvGroupDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadCvGroupDTO |

## PayloadEnvelopeDataSetDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadDataSetDTO |

## PayloadEnvelopeDisplayDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadDisplayDTO |

## PayloadEnvelopeDnaSampleDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadDnaSampleDTO |

## PayloadEnvelopeEntityStatsDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadEntityStatsDTO |

## PayloadEnvelopeExperimentDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadExperimentDTO |

## PayloadEnvelopeExtractorInstructionFilesDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadExtractorInstructionFilesDTO |

## PayloadEnvelopeJobDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadJobDTO |

## PayloadEnvelopeLoaderFilePreviewDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadLoaderFilePreviewDTO |

## PayloadEnvelopeLoaderInstructionFilesDTO

| Name | Schema |
|------|--------|
| **header**<br>— | Header |
| **payload**<br>— | PayloadLoaderInstructionFilesDTO |

## PayloadEnvelopeManifestDTO

| Name | Schema |
|------|--------|
| **header**<br>— | Header |
| **payload**<br>— | PayloadManifestDTO |

## PayloadEnvelopeMapsetDTO

| Name | Schema |
|------|--------|
| **header**<br>— | Header |
| **payload**<br>— | PayloadMapsetDTO |

## PayloadEnvelopeMarkerDTO

| Name | Schema |
|------|--------|
| **header**<br>— | Header |
| **payload**<br>— | PayloadMarkerDTO |

## PayloadEnvelopeMarkerGroupDTO

| Name | Schema |
|------|--------|
| **header**<br>— | Header |
| **payload**<br>— | PayloadMarkerGroupDTO |

## PayloadEnvelopeNameIdDTO

| Name | Schema |
|---|---|
| **header** <br> — | Header |
| **payload** <br> — | PayloadNameIdDTO |

## PayloadEnvelopeOrganizationDTO

| Name | Schema |
|---|---|
| **header** <br> — | Header |
| **payload** <br> — | PayloadOrganizationDTO |

## PayloadEnvelopePingDTO

| Name | Schema |
|---|---|
| **header** <br> — | Header |
| **payload** <br> — | PayloadPingDTO |

## PayloadEnvelopePlatformDTO

| Name | Schema |
|---|---|
| **header** <br> — | Header |
| **payload** <br> — | PayloadPlatformDTO |

## PayloadEnvelopeProjectDTO

| Name | Schema |
|---|---|
| **header** <br> — | Header |
| **payload** <br> — | PayloadProjectDTO |

## PayloadEnvelopeProtocolDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadProtocolDTO |

## PayloadEnvelopeReferenceDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadReferenceDTO |

## PayloadEnvelopeRestProfileDTO

| Name | Schema |
|---|---|
| **header** — | Header |
| **payload** — | PayloadRestProfileDTO |

## PayloadExperimentDTO

| Name | Schema |
|---|---|
| **data** — | < ExperimentDTO > array |
| **linkCollection** — | LinkCollection |

## PayloadExtractorInstructionFilesDTO

| Name | Schema |
|---|---|
| **data** — | < ExtractorInstructionFilesDTO > array |
| **linkCollection** — | LinkCollection |

## PayloadJobDTO

| Name | Schema |
|---|---|
| **data**<br>— | < JobDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadLoaderFilePreviewDTO

| Name | Schema |
|---|---|
| **data**<br>— | < LoaderFilePreviewDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadLoaderInstructionFilesDTO

| Name | Schema |
|---|---|
| **data**<br>— | < LoaderInstructionFilesDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadManifestDTO

| Name | Schema |
|---|---|
| **data**<br>— | < ManifestDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadMapsetDTO

| Name | Schema |
|---|---|
| **data**<br>— | < MapsetDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadMarkerDTO

| Name | Schema |
|---|---|
| **data**<br>— | < MarkerDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadMarkerGroupDTO

| Name | Schema |
|---|---|
| **data**<br>— | < MarkerGroupDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadNameIdDTO

| Name | Schema |
|---|---|
| **data**<br>— | < NameIdDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadObject

| Name | Schema |
|---|---|
| **data**<br>— | < object > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadOrganizationDTO

| Name | Schema |
|---|---|
| **data**<br>— | < OrganizationDTO > array |
| **linkCollection**<br>— | LinkCollection |

## PayloadPingDTO

| Name | Schema |
|---|---|
| **data** — | < PingDTO > array |
| **linkCollection** — | LinkCollection |

## PayloadPlatformDTO

| Name | Schema |
|---|---|
| **data** — | < PlatformDTO > array |
| **linkCollection** — | LinkCollection |

## PayloadProjectDTO

| Name | Schema |
|---|---|
| **data** — | < ProjectDTO > array |
| **linkCollection** — | LinkCollection |

## PayloadProtocolDTO

| Name | Schema |
|---|---|
| **data** — | < ProtocolDTO > array |
| **linkCollection** — | LinkCollection |

## PayloadReferenceDTO

| Name | Schema |
|---|---|
| **data** — | < ReferenceDTO > array |
| **linkCollection** — | LinkCollection |

## PayloadRestProfileDTO

| Name | Schema |
|---|---|
| **data**<br>— | < RestProfileDTO > array |
| **linkCollection**<br>— | LinkCollection |

# PingDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>— | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **dbMetaData**<br>— | < string > array |
| **id**<br>— | integer (int32) |
| **pingResponses**<br>— | < string > array |

# PlatformDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br>— | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **createdBy**<br>— | integer (int32) |
| **createdDate**<br>— | string (date-time) |
| **entityNameType**<br>— | 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) |
| **id**<br>— | integer (int32) |
| **modifiedBy**<br>— | integer (int32) |
| **modifiedDate**<br>— | string (date-time) |
| **platformCode**<br>— | string |
| **platformDescription**<br>— | string |

| Name | Schema |
|------|--------|
| **platformId** __ | integer (int32) |
| **platformName** __ | string |
| **properties** __ | < EntityPropertyDTO > array |
| **statusId** __ | integer (int32) |
| **typeId** __ | integer (int32) |

# ProjectDTO

| Name | Schema |
|------|--------|
| **allowedProcessTypes** __ | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **createdBy** read-only__ | integer (int32) |
| **createdDate** read-only__ | string (date-time) |
| **entityNameType** __ | 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) |
| **id** __ | integer (int32) |
| **modifiedBy** read-only__ | integer (int32) |
| **modifiedDate** read-only__ | string (date-time) |
| **piContact** __ | integer (int32) |
| **principleInvestigators** __ | < string, string > map |
| **projectCode** __ | string |

| Name | Schema |
|---|---|
| **projectDescription** __ | string |
| **projectId** __ | integer (int32) |
| **projectName** __ | string |
| **projectStatus** __ | integer (int32) |
| **properties** __ | < [EntityPropertyDTO](#) > array |

# PropNameId

| Name | Schema |
|---|---|
| **id** __ | integer (int32) |
| **name** __ | string |

# ProtocolDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** __ | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **createdBy** read-only__ | integer (int32) |
| **createdDate** read-only__ | string (date-time) |
| **description** __ | string |
| **entityNameType** __ | 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) |
| **id** __ | integer (int32) |
| **modifiedBy** read-only__ | integer (int32) |

| Name | Schema |
|---|---|
| **modifiedDate**<br><br>read-only__ | string (date-time) |
| **name**<br><br>__ | string |
| **platformId**<br><br>__ | integer (int32) |
| **props**<br><br>__ | < EntityPropertyDTO > array |
| **protocolId**<br><br>__ | integer (int32) |
| **status**<br><br>__ | integer (int32) |
| **typeId**<br><br>__ | integer (int32) |
| **vendorProtocols**<br><br>__ | < VendorProtocolDTO > array |

# ReferenceDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes**<br><br>__ | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **createdBy**<br><br>read-only__ | integer (int32) |
| **createdDate**<br><br>read-only__ | string (date-time) |
| **entityNameType**<br><br>__ | 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) |
| **filePath**<br><br>__ | string |
| **id**<br><br>__ | integer (int32) |
| **link**<br><br>__ | string |

| Name | Schema |
|---|---|
| **modifiedBy** <br><br>read-only__ | integer (int32) |
| **modifiedDate** <br><br>read-only__ | string (date-time) |
| **name** <br>__ | string |
| **referenceId** <br>__ | integer (int32) |
| **version** <br>__ | string |

# RestProfileDTO

| Name | Schema |
|---|---|
| **allowedProcessTypes** <br>__ | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| **id** <br>__ | integer (int32) |
| **max** <br>__ | integer (int32) |
| **restMethodType** <br>__ | enum (GET, POST, PUT, PATCH, DELETE, OPTIONS) |

| Name | Schema |
|---|---|
| **restResourceId** — | enum (GOBII_AUTH, GOBII_PING, GOBII_PROJECTS, GOBII_GENOTYPE_CALLS, 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, BRAPI_CALLSETS) |
| **templateParameter** — | string |

## ServerConfigItem

| Name | Schema |
|---|---|
| **confidentialityNotice** — | string |
| **contextRoot** — | string |
| **domain** — | string |
| **fileLocations** — | < string, string > map |
| **gobiiCropType** — | string |

| Name | Schema |
| --- | --- |
| **port**<br>— | integer (int32) |

## Status

| Name | Schema |
| --- | --- |
| **statusMessages**<br>— | < HeaderStatusMessage > array |
| **statusMessagesByCode**<br>— | < string, string > map |
| **succeeded**<br>— | boolean |

## TableColDisplay

| Name | Schema |
| --- | --- |
| **columnName**<br>— | string |
| **displayId**<br>— | integer (int32) |
| **displayName**<br>— | string |
| **rank**<br>— | integer (int32) |

## VcfParameters

| Name | Schema |
| --- | --- |
| **maf**<br>— | number (float) |
| **minDp**<br>— | number (float) |
| **minQ**<br>— | number (float) |
| **removeIndels**<br>— | boolean |
| **toIupac**<br>— | boolean |

## VendorProtocolDTO

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