

master document for generating PDF

= GOBii API

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Overview

The GOBii 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 GOBii web architecture and its web service operations.

Version information

Version : 1.0

License information

License : Apache 2.0

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

Terms of service : null

URI scheme

Host : localhost:8081

BasePath : /api

Schemes : HTTP

Overview

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

Language and Framework

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


```

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

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

        // populate returnVal . . .

        return returnVal;
    }

```

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

The DTO Payload

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

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

Request/Response Structure

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

```

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

      ],
      "exploreLinksPerDataItem":[

      ]
    },
    "data":[

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

      ],
      "statusMessagesByCode":{

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

```

For requests, the following keys can be omitted:

- payload.linkCollection
- header

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

Authentication

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

- X-Username
- X-Password

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

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

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

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

Error Handling

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

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

Paths

Creates analysis entity

POST /gobii/v1/analyses

Description

Creates an analysis entity for GOBii system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|-----------|--|
| Body | body — | PayloadEnvelopeAnalysisDTO |

Responses

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

Gets all the analyses

GET /gobii/v1/analyses

Description

Retrieves an unfiltered list of all Analysis entities. Consult the [Request/Response Section](#) before attempting to use this call.

Responses

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

Gets analysis by Analysis ID

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

Description

Retrieves the Analysis entity having the specified ID. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|---------------------------------|-----------------|
| Path | analysisId — | ID of Analysis to be extracted. | integer (int32) |

Responses

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

Updates analysis by Analysis ID

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

Description

Updates the Analysis entity having the specified analysisId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|------------------------------|--|
| Path | analysisId — | ID of Analysis to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeAnalysisDTO |

Responses

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

Authentication service for accessing GOBii System

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. this header and value be included in the request headers for subsequent requests. The token value is also supplied in the dtoHeaderAuth object.

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 Headers : `X-Auth-Token ` (string) : API key to authenticate GDM api calls. | string |

Gets the configuration settings for GOBii system

GET /gobii/v1/configsettings

Description

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

Responses

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

/contacts-search

GET /gobii/v1/contact-search

Description

Gets contacts by searching for emailid, lastname, firstname, username.

Parameters

| Type | Name | Description | Schema |
|-------|-----------------------|----------------------|--------|
| Query | email — | contact's email | string |
| Query | firstName — | contact's first name | string |
| Query | lastName — | contact's last name | string |
| Query | userName — | contact's user name | string |

Responses

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

Adds new contact to GOBii system

POST /gobii/v1/contacts

Description

Adds new contact.

Parameters

| Type | Name | Schema |
|------|-----------|---|
| Body | body — | PayloadEnvelopeContactDTO |

Responses

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

Gets all the contacts in the GOBii system

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

Description

Gets all contacts.

Responses

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

Gets contacts by contact ID

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

Description

Gets contacts by contact id.

Parameters

| Type | Name | Description | Schema |
|------|----------------|---------------------------------|-----------------|
| Path | contactId — | ID of contacts to be extracted. | integer (int32) |

Responses

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

Updates contacts by contact ID

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

Description

Updates contacts for a given contact id.

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|-------------------------------|---|
| Path | contactId — | ID of contacts to be updated. | integer (int32) |
| Body | body — | | PayloadEnvelopeContactDTO |

Responses

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

Gets contacts by email id

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

Description

Gets contacts by email id.

Parameters

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

Responses

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

Gets CV terms by CV group ID

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

Description

Retrieves all the CV terms having the specified CV group ID

Parameters

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

Responses

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

Gets CV groups by CV group type ID

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

Description

Retrieves all CV groups having the specified CV group type ID

Parameters

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

Responses

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

Gets CV Group details given CV group name and type ID

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

Description

Retrieves the details for a given CV Group name and type ID

Parameters

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

Responses

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

/cvs

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

Description

Creates new cv's.

Parameters

| Type | Name | Schema |
|------|-----------|--------------------------------------|
| Body | body — | PayloadEnvelopeCvDTO |

Responses

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

/cvs

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

Description

Gets all cvs in the system.

Responses

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

/cvs

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

Description

Gets cv by the id.

Parameters

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

Responses

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

/cvs

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

Description

Updates cv's by cvId.

Parameters

| Type | Name | Description | Schema |
|------|-----------|----------------------------|--------------------------------------|
| Path | cvId — | ID of the CV to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeCvDTO |

Responses

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

/cvs

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

Description

Deletes cv by the id.

Parameters

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

Responses

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

/cvs/{groupName:[a-zA-Z_]+}

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

Description

Gets cvs by the group name.

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|----------------------------------|--------|
| Path | groupName — | name of cv group to be extracted | string |

Responses

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

Creates a dataset

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

Description

Creates a new dataset in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

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

Responses

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

Gets all the datasets

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

Description

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

Parameters

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

Responses

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

Gets the defined Dataset Types in the system

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

Description

Retrieves all the defined dataset types in the system.

Responses

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

Gets all the datasets with the given dataset type ID

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

Description

Retrieves all the Datasets having the specified type ID.

Parameters

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

Responses

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

Gets the dataset given Dataset ID

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

Description

Retrieves the Dataset entity having the specified ID.

Parameters

| Type | Name | Description | Schema |
|------|----------------|-----------------------------------|-----------------|
| Path | dataSetId — | ID of the Dataset to be extracted | integer (int32) |

Responses

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

Updates the Dataset by Dataset ID

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

Description

Updates the Dataset entity having the specified datasetId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|---------------------------------|---|
| Path | datasetId — | ID of the Dataset to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeDataSetDTO |

Responses

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

Gets all the analysis for the given Dataset ID

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

Description

Retrieves all the analysis for the given datasetId

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|-------------------|-----------------|
| Path | datasetId — | ID of the dataset | integer (int32) |

Responses

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

Gets the job details for the given Dataset ID

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

Description

Retrieves the information for active job for a given datasetId

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|-------------------|--------|
| Path | datasetId — | ID of the dataset | string |

Responses

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

Creates a display entity

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

Description

Creates a display entity with the given information. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

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

Responses

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

Gets all the displays

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

Description

Retrieves a list of all the Display entities

Responses

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

Gets display by Display ID

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

Description

Retrieves the Display entity having the specified ID

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|-----------------------------------|-----------------|
| Path | displayId — | ID of the Display to be extracted | integer (int32) |

Responses

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

Updates display by Display ID

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

Description

Updates the Display entity having the specified displayId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|---------------------------------|---|
| Path | displayId — | ID of the Display to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeDisplayDTO |

Responses

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

Gets all the entities

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

Description

Retrieves all the existing entities in the system.

Responses

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

Gets the total count of the children for the given Entity

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

Description

Retrieves the total count of the children for the given entity

Parameters

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

Responses

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

Gets the total entity count for the given Entity Name

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

Description

Retrieves the total Entity count for the given entityName

Parameters

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

Responses

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

Gets the last modified entity for the given Entity Name

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

Description

Retrieves last modified Entity for the given entityName

Parameters

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

Responses

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

Creates an experiment

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

Description

Creates a new experiment in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|--|
| Body | body — | PayloadEnvelopeExperimentDTO |

Responses

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

Gets all the experiments

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

Description

Retrieves all the existing experiments in the system.

Responses

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

Gets the experiment given Experiment ID

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

Description

Retrieves the Experiment entity having the specified ID.

Parameters

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

Responses

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

Updates the Experiment by Experiment ID

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

Description

Updates the Experiment entity having the specified experimentId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| 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 |

Gets all the Protocols by Experiment ID

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

Description

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

Parameters

| Type | Name | Description | Schema |
|------|--------------------------|----------------------|-----------------|
| Path | experimentId — | ID of the Experiment | integer (int32) |

Responses

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

Gets file preview for the specified directory name

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

Description

Retrieves file preview for the specified directory name

Parameters

| Type | Name | Description | Schema |
|-------|---------------------------|------------------------------|--------|
| Path | directoryName — | Name of the directory | string |
| Query | fileFormat — | Format/Extension of the file | string |

Responses

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

Creates a Directory to be used for loading

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

Description

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

Parameters

| Type | Name | Description | Schema |
|------|----------------------|------------------------------|---|
| Path | directoryName | Name of the directory/folder | string |
| Body | body | | PayloadEnvelopeLoaderFilePreviewDTO |

Responses

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

Upload file

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

Description

Uploads an arbitrary file to the specified destination

Parameters

| Type | Name | Description | Schema |
|-------|------------------------|---|--------|
| Path | destinationType | 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 |

Delete file

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

Description

Deletes an arbitrary file from the specified destination

Parameters

| Type | Name | Description | Schema |
|-------|-----------------------------|---|--------|
| 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`

Upload file for Job

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

Description

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

Parameters

| Type | Name | Description | Schema |
|------|-----------------------------|---|--------|
| Path | destinationType — | Destination type where the file will be uploaded to | string |
| Path | gobiiJobId — | ID of the Job that the file will be associated to | string |

| Type | Name | Description | Schema |
|-------|----------------------|-------------------------|--------|
| Query | file — | The file to be uploaded | string |
| Query | fileName — | Name of the file | string |

Responses

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

Download file for specified Job

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

Description

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

Parameters

| Type | Name | Description | Schema |
|-------|-----------------------------|---|--------|
| Path | destinationType — | Destination type where the file will be downloaded from | string |
| 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 |

Creates instruction file for extracting data

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

Description

Creates extractor instruction file and then submits a new Job.

Parameters

| Type | Name | Schema |
|------|------------------|---|
| Body | body — | PayloadEnvelopeExtractorInstructionFilesDTO |

Responses

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

Gets the extract job status by Job name

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

Description

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

Parameters

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

Responses

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

Gets the extract instruction information given file name

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

Description

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

Parameters

| Type | Name | Description | Schema |
|------|---------------------|--|--------|
| Path | instructionFileName | Name of the instruction file to be retrieved | string |

Responses

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

Creates instruction file for loading data

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

Description

Creates loader instruction file and then submits a new Job.

Parameters

| Type | Name | Schema |
|------|------|--|
| Body | body | PayloadEnvelopeLoaderInstructionFilesDTO |

Responses

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

Gets the loading job status by Job name

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

Description

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

Parameters

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

Responses

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

Gets the loading instruction information given file name

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

Description

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

Parameters

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

Responses

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

Creates a job

POST /gobii/v1/jobs

Description

Creates a new job in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|-----------|---------------------------------------|
| Body | body — | PayloadEnvelopeJobDTO |

Responses

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

Gets all the jobs

GET /gobii/v1/jobs

Description

Retrieves all the existing jobs in the system.

Responses

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

Created 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. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|---------------------|---|--|
| Path | jobName — | Name of the Job that the DNA samples will be added to | string |
| Body | body — | | PayloadEnvelopeDNA SampleDTO |

Responses

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

Gets the job given Job Name

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

Description

Retrieves the Job entity having the specified name.

Parameters

| Type | Name | Description | Schema |
|------|---------------------|---------------------------------|--------|
| Path | jobName — | Name of the Job to be extracted | string |

Responses

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

Updates the Job by Job Name

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

Description

Updates the Job entity having the specified jobName. Consult the [Request/Response Section](#) before

attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|---------------------|-------------------------------|---------------------------------------|
| Path | jobName — | Name of the Job to be updated | string |
| Body | body — | | PayloadEnvelopeJobDTO |

Responses

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

Creates manifest entity

POST /gobii/v1/manifests

Description

Creates a Manifest entity for GOBii system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|--|
| Body | body — | PayloadEnvelopeManifestDTO |

Responses

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

Gets all the Manifests

GET /gobii/v1/manifests

Description

Retrieves an unfiltered list of all Manifest entities.

Responses

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

Gets the manifest given Manifest ID

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

Description

Retrieves the Manifest entity having the specified ID.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|------------------------------------|-----------------|
| Path | manifestId — | ID of the Manifest to be retrieved | integer (int32) |

Responses

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

Updates manifest by Manifest ID

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

Description

Updates the Manifest entity having the specified manifestId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|----------------------------------|--|
| Path | manifestId — | ID of the Manifest to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeManifestDTO |

Responses

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

Gets all the Mapsets

GET /gobii/v1/maps

Description

Retrieves all the existing Mapsets in the system.

Responses

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

Creates a mapset

POST /gobii/v1/mapsets

Description

Creates a new mapset in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|--|
| Body | body — | PayloadEnvelopeMapsetDTO |

Responses

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

Gets all the mapsets

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

Description

Retrieves all the existing mapsets in the system.

Responses

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

Gets the mapset given Mapset ID

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

Description

Retrieves the Mapset entity having the specified ID.

Parameters

| Type | Name | Description | Schema |
|------|----------------------|----------------------------------|-----------------|
| Path | mapsetId — | ID of the Mapset to be extracted | integer (int32) |

Responses

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

Updates the Mapset by Mapset ID

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

Description

Updates the Mapset entity having the specified mapsetId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|----------------------|--------------------------------|--|
| Path | mapsetId — | ID of the Mapset to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeMapsetDTO |

Responses

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

Marker search

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

Description

Gets Marker by searching by name

Parameters

| Type | Name | Description | Schema |
|-------|------------------|--------------------|--------|
| Query | name — | Name of the marker | string |

Responses

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

Creates a Marker Group

POST /gobii/v1/markergroups

Description

Creates a new marker group in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|---|
| Body | body — | PayloadEnvelopeMarkerGroupDTO |

Responses

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

Gets all the marker groups

GET /gobii/v1/markergroups

Description

Retrieves all the existing marker groups in the system.

Responses

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

Gets the marker group given Marker Group ID

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

Description

Retrieves the Marker Group entity having the specified ID.

Parameters

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

Responses

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

Updates the Marker Group by Marker Group ID

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

Description

Updates the Marker Group entity having the specified markerGroupId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|---------------------------|--------------------------------------|---|
| Path | markerGroupId — | ID of the Marker Group to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeMarkerGroupDTO |

Responses

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

Creates a marker

POST /gobii/v1/markers

Description

Creates a new marker in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|--|
| Body | body — | PayloadEnvelopeMarkerDTO |

Responses

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

Gets all the markers

GET /gobii/v1/markers

Description

Retrieves all the existing markers in the system.

Responses

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

Gets the marker given Marker ID

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

Description

Retrieves the Marker entity having the specified ID.

Parameters

| Type | Name | Description | Schema |
|------|----------------------|----------------------------------|-----------------|
| Path | markerId — | ID of the Marker to be extracted | integer (int32) |

Responses

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

Updates the Marker by Marker ID

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

Description

Updates the Marker entity having the specified markerId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|----------------------|--------------------------------|--|
| Path | markerId — | ID of the Marker to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeMarkerDTO |

Responses

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

Gets a list of name/ID combination for given Entity and a name list

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

Description

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

Parameters

| Type | Name | Description | Schema |
|-------|-------------------------|-----------------------------------|--|
| 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 |
| Body | body — | | PayloadEnvelopeNameIdDTO |

Responses

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

Gets a list of name/ID combination for given Entity

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

Description

Retrieves a list of name/ID combination for a given entity. For the list of entities supported see class GobiiEntityNameType. List can further be filtered out by specifying the filter type and value. For the list of filter types supported see class GobiiFilterType. Example use case: entity = CV; filterType = NAMES_BY_TYPE_NAME; filterValue = statusResult will be a list of CV terms having status as the cv group

Parameters

| Type | Name | Description | Schema |
|-------|-------------------------|-----------------------------------|--------|
| Path | 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 |

Creates a organization

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

Description

Creates a new organization in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|--|
| Body | body — | PayloadEnvelopeOrganizationDTO |

Responses

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

Gets all the organizations

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

Description

Retrieves all the existing organizations in the system.

Responses

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

Gets the organization given Organization ID

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

Description

Retrieves the Organization entity having the specified ID.

Parameters

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

Responses

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

Updates the Organization by Organization ID

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

Description

Updates the Organization entity having the specified organizationId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|----------------------------|--------------------------------------|--|
| Path | organizationId — | ID of the Organization to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeOrganizationDTO |

Responses

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

Creates a Platform

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

Description

Creates a new Platform in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|--|
| Body | body — | PayloadEnvelopePlatformDTO |

Responses

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

Gets all the platforms

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

Description

Retrieves all the existing platforms in the system.

Responses

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

Gets the platform details given Vendor Protocol ID

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

Description

Retrieves the Platform entity having the specified Vendor Protocol ID.

Parameters

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

Responses

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

Gets the platform given Platform ID

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

Description

Retrieves the Platform entity having the specified ID.

Parameters

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

Responses

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

Updates the Platform by Platform ID

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

Description

Updates the Platform entity having the specified platformId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|----------------------------------|--|
| Path | platformId — | ID of the Platform to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopePlatformDTO |

Responses

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

Creates a project

POST /gobii/v1/projects

Description

Creates a new project in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|---|
| Body | body — | PayloadEnvelopeProjectDTO |

Responses

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

Gets all the projects

GET /gobii/v1/projects

Description

Retrieves all the existing projects in the system.

Responses

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

Gets the projects given Project ID

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

Description

Retrieves the Project entity having the specified ID.

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|-----------------------------------|-----------------|
| Path | projectId — | ID of the Project to be extracted | integer (int32) |

Responses

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

Updates the Project by Project ID

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

Description

Updates the Project entity having the specified projectId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|-----------------------|---------------------------------|---|
| Path | projectId — | ID of the Project to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeProjectDTO |

Responses

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

Creates a Protocol

POST /gobii/v1/protocols

Description

Creates a new Protocol in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|------------------|--|
| Body | body — | PayloadEnvelopeProtocolDTO |

Responses

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

Gets all the protocols

GET /gobii/v1/protocols

Description

Retrieves all the existing protocols in the system.

Responses

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

Gets the protocol given Protocol ID

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

Description

Retrieves the Protocol entity having the specified ID.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|------------------------------------|-----------------|
| Path | protocolId — | ID of the Protocol to be extracted | integer (int32) |

Responses

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

Updates the Protocol by Protocol ID

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

Description

Updates the Protocol entity having the specified protocolId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|----------------------------------|--|
| Path | protocolId — | ID of the Protocol to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeProtocolDTO |

Responses

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

Creates a Vendor Protocol record for given Protocol ID

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

Description

Creates a new Vendor Protocol in the system for specified Protocol ID. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|--------------------|--|
| Path | protocolId — | ID of the Protocol | integer (int32) |
| Body | body — | | PayloadEnvelopeOrganizationDTO |

Responses

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

Gets all the Vendor Protocols given Protocol ID

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

Description

Retrieves all the vendor protocols given protocolId in the system.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|-----------------------|-----------------|
| Path | protocolId — | ID of the Protocol ID | integer (int32) |

Responses

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

Updates the Vendor Protocol by Protocol ID

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

Description

Updates the Vendor Protocol entity having the specified protocolId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|------------------------|--------------------|--|
| Path | protocolId — | ID of the Protocol | integer (int32) |
| Body | body — | | PayloadEnvelopeOrganizationDTO |

Responses

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

Creates a reference

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

Description

Creates a new reference in the system. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Schema |
|------|-----------|---|
| Body | body — | PayloadEnvelopeReferenceDTO |

Responses

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

Gets all the references

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

Description

Retrieves all the existing references in the system.

Responses

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

Gets the reference given Reference ID

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

Description

Retrieves the Reference entity having the specified ID.

Parameters

| Type | Name | Description | Schema |
|------|------------------|-------------------------------------|-----------------|
| Path | referenceId — | ID of the Reference to be extracted | integer (int32) |

Responses

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

Updates the Reference by Reference ID

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

Description

Updates the Reference entity having the specified referenceId. Consult the [Request/Response Section](#) before attempting to use this call.

Parameters

| Type | Name | Description | Schema |
|------|-------------------------|-----------------------------------|---|
| Path | referenceId — | ID of the Reference to be updated | integer (int32) |
| Body | body — | | PayloadEnvelopeReferenceDTO |

Responses

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

Gets REST profiles of GOBii system

```
PUT /gobii/v1/restprofiles
```

Description

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 configuration document

Parameters

| Type | Name | Schema |
|------|-----------|---|
| Body | body — | PayloadEnvelopeRestProfileDTO |

Responses

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

Definitions

AnalysisDTO

| Name | Schema |
|--------------------------|---|
| algorithm — | string |
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| analysisDescription — | string |
| analysisId — | integer (int32) |
| analysisName — | string |
| anlaysisTypeId — | integer (int32) |
| createdBy — | integer (int32) |
| createdDate — | 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 — | integer (int32) |

| Name | Schema |
|----------------------------|---|
| modifiedDate — | string (date-time) |
| parameters — | < EntityPropertyDTO > array |
| program — | string |
| programVersion — | string |
| referenceId — | integer (int32) |
| sourceName — | string |
| sourceUri — | string |
| sourceVersion — | string |
| statusId — | integer (int32) |
| timeExecuted — | string (date-time) |

ConfigSettingsDTO

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

ContactDTO

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

| Name | Schema |
|----------------------------|---|
| contactId — | integer (int32) |
| createdBy — | integer (int32) |
| createdDate — | string (date-time) |
| email — | 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) |
| firstName — | string |
| id — | integer (int32) |
| lastName — | string |
| modifiedBy — | integer (int32) |
| modifiedDate — | string (date-time) |
| organizationId — | integer (int32) |
| roles — | < integer (int32) > array |
| userName — | string |

CvDTO

| Name | Schema |
|---------------------------------|---|
| abbreviation — | string |
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| cvId — | integer (int32) |
| definition — | string |

| Name | Schema |
|--------------------------|-----------------|
| entityStatus — | integer (int32) |
| group — | integer (int32) |
| groupId — | integer (int32) |
| groupType — | integer (int32) |
| id — | integer (int32) |
| rank — | integer (int32) |
| term — | string |
| 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) |

| Name | Schema |
|---------------------------------|--------------------|
| callingAnalysisName — | string |
| createdBy — | integer (int32) |
| createdDate — | string (date-time) |
| dataFile — | string |
| dataSetId — | integer (int32) |
| dataTable — | string |
| datasetName — | string |
| datatypeId — | integer (int32) |
| datatypeName — | string |
| experimentId — | integer (int32) |
| experimentName — | string |
| id — | integer (int32) |
| jobId — | integer (int32) |
| jobStatusId — | integer (int32) |
| jobStatusName — | string |
| jobSubmittedDate — | string (date-time) |
| jobTypeId — | integer (int32) |
| jobTypeName — | string |
| loaderFirstName — | string |
| loaderLastName — | string |
| modifiedBy — | integer (int32) |

| Name | Schema |
|--------------------------|---------------------------|
| modifiedDate — | string (date-time) |
| piContactId — | integer (int32) |
| piEmail — | string |
| piFirstName — | string |
| piLastName — | string |
| platformId — | integer (int32) |
| platformName — | string |
| projectId — | integer (int32) |
| projectName — | string |
| protocolId — | integer (int32) |
| protocolName — | string |
| qualityFile — | string |
| qualityTable — | string |
| scores — | < integer (int32) > array |
| statusId — | integer (int32) |
| totalMarkers — | integer (int32) |
| totalSamples — | integer (int32) |

DisplayDTO

| Name | Description | Schema |
|-----------------------------------|-------------|---|
| allowedProcessesTypes — | | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |

| Name | Description | Schema |
|--------------------------------------|------------------------|---|
| columnName — | | string |
| createdBy — | | integer (int32) |
| createdDate — | | string (date-time) |
| displayId — | | integer (int32) |
| displayName — | | string |
| displayRank — | | integer (int32) |
| 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 — | Default : false | boolean |
| modifiedBy — | | integer (int32) |
| modifiedDate — | | 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 |
| germplasmExternalCode — | string |
| germplasmId — | integer (int32) |
| germplasmName — | string |
| id — | integer (int32) |
| markerCount — | integer (int32) |
| projectId — | integer (int32) |

EntityPropertyDTO

| Name | Schema |
|--------------------------|-----------------|
| entityIdId — | integer (int32) |
| propertyId — | integer (int32) |
| propertyName — | string |

| Name | Schema |
|---------------------------|--------|
| propertyValue — | string |

EntityStatsDTO

| Name | Schema |
|---------------------------------|---|
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| count — | integer (int32) |
| 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) |
| entityStateDateType — | enum (INSERT_UPDATE, INSERT_ONLY) |
| id — | integer (int32) |
| lastModified — | string (date-time) |

ExperimentDTO

| Name | Schema |
|---------------------------------|---|
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| createdBy — | integer (int32) |
| createdDate — | string (date-time) |
| datasets — | < DataSetDTO > array |
| 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) |
| experimentCode — | string |

| Name | Schema |
|--------------------------------|--------------------|
| experimentDataFile — | string |
| experimentId — | integer (int32) |
| experimentName — | string |
| id — | integer (int32) |
| manifestId — | integer (int32) |
| modifiedBy — | integer (int32) |
| modifiedDate — | string (date-time) |
| projectId — | integer (int32) |
| statusId — | integer (int32) |
| vendorProtocolId — | integer (int32) |

ExtractorInstructionFilesDTO

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

File

| Name | Description | Schema |
|--------------------------|------------------------|----------------------|
| absolute — | Default : false | boolean |
| absoluteFile — | | File |

| Name | Description | Schema |
|---------------------------|------------------------|----------------------|
| absolutePath — | | string |
| canonicalFile — | | File |
| canonicalPath — | | string |
| directory — | Default : false | boolean |
| file — | Default : false | boolean |
| freeSpace — | | integer (int64) |
| hidden — | Default : false | boolean |
| name — | | string |
| parent — | | string |
| parentFile — | | File |
| path — | | string |
| totalSpace — | | integer (int64) |
| usableSpace — | | integer (int64) |

GobiiDataSetExtract

| Name | Description | Schema |
|---|------------------------|--------------------------------|
| accolate — | Default : false | boolean |
| dataSet — | | PropNameId |
| extractDestinationDirectory — | | string |
| extractedFiles — | | < File > array |
| gobiiDatasetType — | | PropNameId |

| Name | Description | Schema |
|------------------------------------|-------------|---|
| gobiiExtractFilterType — | | enum (UNKNOWN, WHOLE_DATASET, BY_MARKER, BY_SAMPLE) |
| gobiiFileType — | | enum (HAPMAP, FLAPJACK, GENERIC, VCF, META_DATA) |
| gobiiJobStatus — | | enum (CV_PROGRESSTAT US_PENDING, CV_PROGRESSTATU S_INPROGRESS, CV_PROGRESSTATU S_COMPLETED, CV_PROGRESSTATU S_FAILED, CV_PROGRESSTATU S_VALIDATION, CV_PROGRESSTATU S_DIGEST, CV_PROGRESSTATU S_TRANSFORMATIO N, CV_PROGRESSTATU S_METADATALOAD, CV_PROGRESSTATU S_MATRIXLOAD, CV_PROGRESSTATU S_ABORTED, CV_PROGRESSTATU S_METADATAEXTRA CT, CV_PROGRESSTATU S_FINALASSEMBLY, CV_PROGRESSTATU S_QCPROCESSING, CV_PROGRESSTATU S_NOSTATUS) |
| gobiiSampleListType — | | enum (GERMPLASM_NAM E, EXTERNAL_CODE, DNA_SAMPLE) |
| listFileName — | | string |
| logMessage — | | string |

| Name | Description | Schema |
|-----------------------------------|-------------|--------------------------------------|
| markerGroups — | | < PropNameId > array |
| markerList — | | < string > array |
| platforms — | | < PropNameId > array |
| principleInvestigator — | | PropNameId |
| project — | | PropNameId |
| sampleList — | | < string > array |

GobiiExtractorInstruction

| Name | Description | Schema |
|-----------------------------|------------------------|---|
| contactEmail — | | string |
| contactId — | | integer (int32) |
| dataSetExtracts — | | < GobiiDataSetExtract > array |
| gobiiCropType — | | string |
| mapsetIds — | | < integer (int32) > array |
| qcCheck — | Default : false | boolean |

GobiiFile

| Name | Description | Schema |
|--------------------------|------------------------|---------|
| createSource — | Default : false | boolean |
| delimiter — | | string |
| destination — | | string |

| Name | Description | Schema |
|---------------------------------------|------------------------|--|
| gobiiFileType — | | enum (HAPMAP, FLAPJACK, GENERIC, VCF, META_DATA) |
| requireDirectoriesToExist — | Default : false | boolean |
| source — | | string |

GobiiFileColumn

| Name | Description | 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 | Description | 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 — | Default : false | boolean |
| subcolumnDelimiter — | | string |

GobiiLoaderInstruction

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

| Name | Description | Schema |
|------------------------------|-------------|--|
| gobiiCropType — | | string |
| gobiiFile — | | GobiiFile |
| gobiiFileColumns — | | < GobiiFileColumn > array |
| gobiiJobStatus — | | enum (CV_PROGRESSTAT US_PENDING, CV_PROGRESSTATU S_INPROGRESS, CV_PROGRESSTATU S_COMPLETED, CV_PROGRESSTATU S_FAILED, CV_PROGRESSTATU S_VALIDATION, CV_PROGRESSTATU S_DIGEST, CV_PROGRESSTATU S_TRANSFORMATIO N, CV_PROGRESSTATU S_METADATALOAD, CV_PROGRESSTATU S_MATRIXLOAD, CV_PROGRESSTATU S_ABORTED, CV_PROGRESSTATU S_METADATAEXTRA CT, CV_PROGRESSTATU S_FINALASSEMBLY, CV_PROGRESSTATU S_QCPROCESSING, CV_PROGRESSTATU S_NOSTATUS) |
| jobPayloadType — | | enum (CV_PAYLOADTYPE_ SAMPLES, CV_PAYLOADTYPE_ MARKERS, CV_PAYLOADTYPE_ MATRIX, CV_PAYLOADTYPE_ MARKERSAMPLES, CV_PAYLOADTYPE_ ALLMETA) |

| Name | Description | Schema |
|---------------------------|-------------------------------|-------------------------------|
| logMessage — | | string |
| mapset — | | PropNameId |
| platform — | | PropNameId |
| project — | | PropNameId |
| qcCheck — | Default : false | boolean |
| table — | | string |
| vcfParameters — | | VcfParameters |

Header

| Name | Schema |
|------------------------------|---|
| cropType — | string |
| dtoHeaderAuth — | HeaderAuth |
| gobiiProcessType — | enum (CREATE, READ, UPDATE, DELETE, NONE) |
| gobiiVersion — | string |
| maxGet — | integer (int32) |
| maxPost — | integer (int32) |
| maxPut — | integer (int32) |
| pagination — | Pagination |
| status — | Status |

HeaderAuth

| Name | Schema |
|---------------------------|--------|
| gobiiCropType — | string |

| Name | Schema |
|----------------------|--------|
| password — | string |
| token — | string |
| userName — | string |

HeaderStatusMessage

| Name | Schema |
|---------------------------------------|---|
| gobiiStatusLevel — | enum (ERROR, VALIDATION, WARNING, INFO, OK) |
| gobiiValidationStatusType — | 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 — | string |

InputStream

Type : object

InputStreamResource

| Name | Description | Schema |
|-------------------------|------------------------|-----------------------------|
| description — | | string |
| file — | | File |
| filename — | | string |
| inputStream — | | InputStream |
| open — | Default : false | boolean |
| readable — | Default : false | boolean |
| uri — | | string (uri) |

| Name | Description | Schema |
|-----------------|-------------|--------------|
| url — | | string (url) |

JobDTO

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

| Name | Schema |
|----------------------------|---|
| createdDate — | 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 — | integer (int32) |
| modifiedDate — | string (date-time) |
| name — | string |

MapsetDTO

| Name | Schema |
|---------------------------------|---|
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| code — | string |
| createdBy — | integer (int32) |
| createdDate — | 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) |

| Name | Schema |
|--------------------------|---|
| mapType — | integer (int32) |
| mapsetId — | integer (int32) |
| modifiedBy — | integer (int32) |
| modifiedDate — | string (date-time) |
| name — | string |
| properties — | < EntityPropertyDTO > array |
| referenceId — | integer (int32) |
| statusId — | 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 |

| Name | Schema |
|-----------------------|-----------------|
| 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 |
| createdBy — | integer (int32) |
| createdDate — | 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) |
| germplasmGroup — | string |
| id — | integer (int32) |
| markerGroupId — | integer (int32) |
| markerMap — | < string, < string > array > map |
| markers — | < MarkerGroupMarkerDTO > array |
| modifiedBy — | integer (int32) |
| modifiedDate — | string (date-time) |
| name — | string |

| Name | Schema |
|----------------------|-----------------|
| statusId — | integer (int32) |

MarkerGroupMarkerDTO

| Name | Description | Schema |
|------------------------------|------------------------|---|
| favorableAllele — | | string |
| gobiiProcessType — | | enum (CREATE, READ, UPDATE, DELETE, NONE) |
| markerExists — | Default : false | boolean |
| markerId — | | integer (int32) |
| markerName — | | string |
| platformId — | | integer (int32) |
| platformName — | | string |

NameIdDTO

| Name | Schema |
|---------------------------------|---|
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| entityLasetModified — | string (date-time) |
| fkId — | integer (int32) |
| gobiiEntityNameType — | 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) |

| Name | Schema |
|-----------------------------------|---|
| gobiiFkEntityNameType — | 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) |
| name — | string |
| queryObject — | object |

OrganizationDTO

| Name | Schema |
|---------------------------------|---|
| address — | string |
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| createdBy — | integer (int32) |
| createdDate — | 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 — | integer (int32) |
| modifiedDate — | string (date-time) |
| name — | string |
| organizationId — | integer (int32) |
| statusId — | integer (int32) |

| Name | Schema |
|-----------------------------|---|
| vendorProtocols — | < VendorProtocolDTO > array |
| website — | string |

Pagination

| Name | Schema |
|--------------------------|--------------------|
| currentPage — | integer (int32) |
| pageSize — | integer (int32) |
| pagedQueryId — | string |
| queryTime — | string (date-time) |
| totalPages — | integer (int32) |

PayloadAnalysisDTO

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

PayloadConfigSettingsDTO

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

PayloadContactDTO

| Name | Schema |
|------------------|--------------------------------------|
| data — | < ContactDTO > array |

| Name | Schema |
|----------------------------|--------------------------------|
| linkCollection — | LinkCollection |

PayloadCvDTO

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

PayloadCvGroupDTO

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

PayloadDataSetDTO

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

PayloadDisplayDTO

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

PayloadDnaSampleDTO

| Name | Schema |
|------------------|--|
| data — | < DnaSampleDTO > array |

| Name | Schema |
|----------------------------|--------------------------------|
| linkCollection — | LinkCollection |

PayloadEntityStatsDTO

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

PayloadEnvelopeAnalysisDTO

| Name | Schema |
|---------------------|------------------------------------|
| header — | Header |
| payload — | PayloadAnalysisDTO |

PayloadEnvelopeConfigSettingsDTO

| Name | Schema |
|---------------------|--|
| header — | Header |
| payload — | PayloadConfigSettingsDTO |

PayloadEnvelopeContactDTO

| Name | Schema |
|---------------------|-----------------------------------|
| header — | Header |
| payload — | PayloadContactDTO |

PayloadEnvelopeCvDTO

| Name | Schema |
|--------------------|------------------------|
| header — | Header |

| Name | Schema |
|---------------------|------------------------------|
| 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 |

| Name | Schema |
|--------------|---------------------------------------|
| 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 — | Header |

| Name | Schema |
|---------------------|--|
| payload — | PayloadLoaderInstructionFilesDTO |

PayloadEnvelopeManifestDTO

| Name | Schema |
|---------------------|------------------------------------|
| header — | Header |
| payload — | PayloadManifestDTO |

PayloadEnvelopeMapsetDTO

| Name | Schema |
|---------------------|----------------------------------|
| header — | Header |
| payload — | PayloadMapsetDTO |

PayloadEnvelopeMarkerDTO

| Name | Schema |
|---------------------|----------------------------------|
| header — | Header |
| payload — | PayloadMarkerDTO |

PayloadEnvelopeMarkerGroupDTO

| Name | Schema |
|---------------------|---------------------------------------|
| header — | Header |
| payload — | PayloadMarkerGroupDTO |

PayloadEnvelopeNameIdDTO

| Name | Schema |
|--------------------|------------------------|
| header — | Header |

| Name | Schema |
|---------------------|----------------------------------|
| payload — | PayloadNameIdDTO |

PayloadEnvelopeOrganizationDTO

| Name | Schema |
|---------------------|--|
| header — | Header |
| payload — | PayloadOrganizationDTO |

PayloadEnvelopePlatformDTO

| Name | Schema |
|---------------------|------------------------------------|
| header — | Header |
| payload — | PayloadPlatformDTO |

PayloadEnvelopeProjectDTO

| Name | Schema |
|---------------------|-----------------------------------|
| header — | Header |
| payload — | PayloadProjectDTO |

PayloadEnvelopeProtocolDTO

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

PayloadEnvelopeReferenceDTO

| Name | Schema |
|--------------------|------------------------|
| header — | Header |

| Name | Schema |
|---------------------|-------------------------------------|
| 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 — | < JobDTO > array |
| linkCollection — | LinkCollection |

PayloadLoaderFilePreviewDTO

| Name | Schema |
|------------------|--|
| data — | < LoaderFilePreviewDTO > array |

| Name | Schema |
|----------------------------|--------------------------------|
| linkCollection — | LinkCollection |

PayloadLoaderInstructionFilesDTO

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

PayloadManifestDTO

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

PayloadMapsetDTO

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

PayloadMarkerDTO

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

PayloadMarkerGroupDTO

| Name | Schema |
|------------------|--|
| data — | < MarkerGroupDTO > array |

| Name | Schema |
|----------------------------|--------------------------------|
| linkCollection — | LinkCollection |

PayloadNameIdDTO

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

PayloadOrganizationDTO

| Name | Schema |
|----------------------------|---|
| data — | < OrganizationDTO > 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 |

| Name | Schema |
|----------------------------|--------------------------------|
| linkCollection — | LinkCollection |

PayloadReferenceDTO

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

PayloadRestProfileDTO

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

PlatformDTO

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

| Name | Schema |
|---------------------------------|---|
| platformDescription — | string |
| 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 — | integer (int32) |
| createdDate — | 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 — | integer (int32) |
| modifiedDate — | string (date-time) |
| piContact — | integer (int32) |
| principleInvestigators — | < string, string > map |
| projectCode — | string |
| projectDescription — | string |

| Name | Schema |
|---------------------------|---|
| 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 — | integer (int32) |
| createdDate — | 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 — | integer (int32) |
| modifiedDate — | string (date-time) |
| name — | string |

| Name | Schema |
|-----------------------------|---|
| platformId — | integer (int32) |
| props — | < EntityPropertyDTO > array |
| protocolId — | integer (int32) |
| status — | integer (int32) |
| typeId — | integer (int32) |
| vendorProtocols — | < VendorProtocolDTO > array |

ReferenceDTO

| Name | Schema |
|---------------------------------|---|
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| createdBy — | integer (int32) |
| createdDate — | 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) |
| link — | string |
| modifiedBy — | integer (int32) |
| modifiedDate — | string (date-time) |
| name — | string |
| referenceId — | integer (int32) |

| Name | Schema |
|---------------------|--------|
| version — | string |

RestProfileDTO

| Name | Schema |
|---------------------------------|--|
| allowedProcessTypes — | < enum (CREATE, READ, UPDATE, DELETE, NONE) > array |
| id — | integer (int32) |
| max — | integer (int32) |
| restMethodType — | enum (GET, POST, PUT, PATCH, DELETE, OPTIONS) |
| restResourceId — | enum (GOBII_AUTH, GOBII_PING, GOBII_PROJECTS, GOBII_NAME_ID_LIST_DEPRECATED, GOBII_NAMES, GOBII_FILE_LOAD, GOBII_FILE_LOAD_INSTRUCTIONS, GOBII_FILE_EXTRACTOR_INSTRUCTIONS, GOBII_FILE_EXTRACTOR_JOBS, GOBII_FILE_LOADER_JOBS, GOBII_DISPLAY, GOBII_CV, GOBII_CVGROUP, GOBII_CONTACTS, GOBII_CONTACT_SEARCH, GOBII_ORGANIZATION_SEARCH, GOBII_REFERENCE, GOBII_EXPERIMENTS, GOBII_DATASETS, GOBII_DATASETTYPES, GOBII_ANALYSIS, GOBII_MARKERGROUP, GOBII_MANIFEST, GOBII_ORGANIZATION, GOBII_PLATFORM, GOBII_MAPSET, GOBII_CONFIGSETTINGS, GOBII_ROLES, GOBII_MARKERS, GOBII_MARKER_SEARCH, GOBII_CALLS, GOBII_GERMPLASM, GOBII_OBSERVATION_VARIABLES, GOBII_PROTOCOL, GOBII_VENDORS, GOBII_FILES, GOBII_JOB, GOBII_ENTITIES, GOBII_COUNT, GOBII_LAST_MODIFIED, GOBII_VERTICES, GOBII_VALUES, GOBII_REST_PROFILES, GOBII_DNASAMPLES, GOBII_DNARUN, GOBII_LINKAGEGROUP, GOBII_JOB_DNASAMPLE, BRAPI_ALLELE_MATRIX_SEARCH, BRAPI_ALLELE_MATRIX_SEARCH_STATUS, BRAPI_ALLELE_MATRICES, KDC_START, KDC_STATUS, KDC_DOWNLOAD, KDC_PURGE, BRAPI_LOGIN, BRAPI_STUDIES_SEARCH, BRAPI_STUDIES, BRAPI_CALLS) |
| templateParameter — | string |

ServerConfigItem

| Name | Schema |
|-----------------------------------|------------------------|
| confidentialityNotice — | string |
| contextRoot — | string |
| domain — | string |
| fileLocations — | < string, string > map |
| gobiiCropType — | string |
| port — | integer (int32) |

Status

| Name | Description | Schema |
|----------------------------------|------------------------|---|
| statusMessages — | | < HeaderStatusMessage > array |
| statusMessagesByCode — | | < string, string > map |
| succeeded — | Default : false | boolean |

TableColDisplay

| Name | Schema |
|-------------------------|-----------------|
| columnName — | string |
| displayId — | integer (int32) |
| displayName — | string |
| rank — | integer (int32) |

VcfParameters

| Name | Description | Schema |
|--------------------------|------------------------|----------------|
| maf — | | number (float) |
| minDp — | | number (float) |
| minQ — | | number (float) |
| removeIndels — | Default : false | boolean |
| toIupac — | Default : false | boolean |

VendorProtocolDTO

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