

master document for generating PDF

= Genomic Data Management (GDM)

# Table of Contents

Overview.....	1
Version information .....	1
License information .....	1
URI scheme .....	1
Tags .....	1
Overview.....	2
Language and Framework.....	2
The DTO Payload .....	2
Request/Response Structure .....	3
Authentication .....	4
Error Handling .....	4
Paths .....	5
Create a new analyses.....	5
List all analyses.....	6
Get an analyses by analysesId.....	6
Update the analyses by analysesId .....	7
authenticate.....	7
List all configuration settings.....	8
List all contacts from Contacts search.....	9
Create a new contact.....	10
List all contacts.....	10
Get a contact by contact id.....	11
Update a contact by contactId.....	11
Get contact by email id .....	12
list .....	13
Get a CV group by cvGroupTypeId.....	13
Get a CV group by groupName .....	14
Create a new Controlled Vocabulary.....	15
List all CVs .....	15
Get a CV by cvId .....	16
Update a CV by cvId.....	16
Delete a CV by cvId .....	17
List all CVs in a given groupName .....	18
Create a new dataset .....	18
List all datasets.....	19
List of types of datasets.....	20
Get datasets by type id .....	20
Get dataset by datasetId .....	21

Update/Replace a dataset by datasetId .....	21
List all analyses in a dataset with given datasetId .....	22
List all jobs for a dataset with datasetId .....	23
Create a new display .....	23
List all displays .....	24
Get a display by displayId .....	25
Update a display with displayId .....	25
List all entities .....	26
Get entity count for a given entity child .....	26
Get count for a given entity .....	27
Get last modified date of an entity .....	28
Create a new experiment .....	28
List all experiments .....	29
Get a experiment by experimentId .....	30
Update an experiment by experimentId .....	30
List all protocols for a given experimentId .....	31
List of loader files in a given directory .....	32
Add a loader file to given directory .....	32
Upload a file to given destination .....	33
Detetele a file by destination type .....	34
Upload a file for a given job and destination type .....	34
Download a job file from a given destination type .....	35
Create an extractor instruction file .....	36
Get extractor job status by jobName .....	37
Download an extractor instructor file .....	37
Create loader instruction file .....	38
Get loader job status by job name .....	38
Get a loader instruction file .....	39
Create a new job .....	40
List all jobs .....	40
Create DNA samples for a given job .....	41
Get job details by job name .....	42
Update a job by jobName .....	42
Create a manifest .....	43
List all manifests .....	44
Get manifests by manifestId .....	44
Update a manifest .....	45
List all mapsets .....	45
Create a new Mapset .....	46
List all mapsets .....	47
Get mapsets by mapsetId .....	47

Update a mapset by mapsetId	48
List all markers from markers search	48
Create a new Marker group	49
List all markergroups	50
Gets all markers in a given markergroup	50
Update a marker by markergroupId	51
Create a new marker	52
List all markers	52
Get a marker by markerId	53
Update a marker by markerId	53
Create a new NameID	54
List all NameIds	55
Create a new organization	56
List all organizations	56
Get organization by organizationId	57
Update an organization by organizationId	58
ping	58
Create a new platform	59
List all platforms	60
GET /platforms/protocols/{vendorProtocolId}	60
Get a platform by platformId	61
Update a platform by platformId	61
Create a new project	62
List all projects	63
Get a project by projectId	63
Update a project by projectId	64
Create a new protocol	65
List all protocols	65
Get a protocol by protocolId	66
Update a protocol by protocolId	66
Create new vendors for a given protocolId	67
List all vendors for a given protocolId	68
Update vendors for a given protocolId	68
Create a new reference	69
List all references	70
GET /references/{referenceId}	70
Update a reference by referenceId	71
/restprofiles/	72
Definitions	72
AnalysisDTO	72
ConfigSettingsDTO	74

ContactDTO .....	74
CvDTO .....	75
CvGroupDTO .....	75
DataSetDTO .....	76
DisplayDTO .....	78
DnaSampleDTO .....	79
EntityPropertyDTO .....	80
EntityStatsDTO .....	80
ExperimentDTO .....	80
ExtractorInstructionFilesDTO .....	81
GobiiDataSetExtract .....	82
GobiiExtractorInstruction .....	83
GobiiFile .....	83
GobiiFileColumn .....	83
GobiiLoaderInstruction .....	84
GobiiLoaderMetadata .....	84
GobiiLoaderProcedure .....	85
Header .....	86
HeaderAuth .....	86
HeaderStatusMessage .....	86
InputStream .....	87
InputStreamResource .....	87
JobDTO .....	87
Link .....	88
LinkCollection .....	88
LoaderFilePreviewDTO .....	88
LoaderInstructionFilesDTO .....	89
ManifestDTO .....	89
MapsetDTO .....	90
MarkerDTO .....	91
MarkerGroupDTO .....	91
MarkerGroupMarkerDTO .....	92
NameIdDTO .....	93
OrganizationDTO .....	93
Pagination .....	94
Payload .....	95
PayloadAnalysisDTO .....	95
PayloadConfigSettingsDTO .....	95
PayloadContactDTO .....	95
PayloadCvDTO .....	95
PayloadCvGroupDTO .....	96

PayloadDataSetDTO .....	96
PayloadDisplayDTO .....	96
PayloadDnaSampleDTO .....	96
PayloadEntityStatsDTO .....	96
PayloadEnvelope .....	97
PayloadEnvelopeAnalysisDTO .....	97
PayloadEnvelopeConfigSettingsDTO .....	97
PayloadEnvelopeContactDTO .....	97
PayloadEnvelopeCvDTO .....	97
PayloadEnvelopeCvGroupDTO .....	98
PayloadEnvelopeDataSetDTO .....	98
PayloadEnvelopeDisplayDTO .....	98
PayloadEnvelopeDnaSampleDTO .....	98
PayloadEnvelopeEntityStatsDTO .....	98
PayloadEnvelopeExperimentDTO .....	99
PayloadEnvelopeExtractorInstructionFilesDTO .....	99
PayloadEnvelopeJobDTO .....	99
PayloadEnvelopeLoaderFilePreviewDTO .....	99
PayloadEnvelopeLoaderInstructionFilesDTO .....	99
PayloadEnvelopeManifestDTO .....	100
PayloadEnvelopeMapsetDTO .....	100
PayloadEnvelopeMarkerDTO .....	100
PayloadEnvelopeMarkerGroupDTO .....	100
PayloadEnvelopeNameIdDTO .....	100
PayloadEnvelopeOrganizationDTO .....	101
PayloadEnvelopePingDTO .....	101
PayloadEnvelopePlatformDTO .....	101
PayloadEnvelopeProjectDTO .....	101
PayloadEnvelopeProtocolDTO .....	101
PayloadEnvelopeReferenceDTO .....	102
PayloadEnvelopeRestProfileDTO .....	102
PayloadExperimentDTO .....	102
PayloadExtractorInstructionFilesDTO .....	102
PayloadJobDTO .....	102
PayloadLoaderFilePreviewDTO .....	103
PayloadLoaderInstructionFilesDTO .....	103
PayloadManifestDTO .....	103
PayloadMapsetDTO .....	103
PayloadMarkerDTO .....	103
PayloadMarkerGroupDTO .....	104
PayloadNameIdDTO .....	104

PayloadObject .....	104
PayloadOrganizationDTO .....	104
PayloadPingDTO .....	104
PayloadPlatformDTO .....	105
PayloadProjectDTO .....	105
PayloadProtocolDTO .....	105
PayloadReferenceDTO .....	105
PayloadRestProfileDTO .....	105
PingDTO .....	106
PlatformDTO .....	106
ProjectDTO .....	107
PropNameId .....	108
ProtocolDTO .....	108
ReferenceDTO .....	109
RestProfileDTO .....	109
ServerConfigItem .....	110
Status .....	111
TableColDisplay .....	111
VendorProtocolDTO .....	111

# Overview

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

## 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* : api.gobii.org:8081

*BasePath* : /gobii-dev

*Schemes* : HTTP

## Tags

- Analyses
- Authentication
- ConfigSettings
- Contacts
- ControlledVocabularies
- Datasets
- Displays
- Entities
- Experiments
- Files
- Instructions
- Jobs
- Manifests
- Maps
- Markers
- Names



- Organizations
- Ping
- Platforms
- Projects
- Protocols
- Protocols.vendor
- References
- RestProfiles

## Overview

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

## Language and Framework

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

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

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

    // populate returnVal . . .

    return returnVal;
}
```

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

## The DTO Payload

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

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

## Request/Response Structure

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

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

      ],
      "exploreLinksPerDataItem":[

      ]
    },
    "data":[

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

      ],
      "statusMessagesByCode":{

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

For requests, the following keys can be omitted:

- payload.linkCollection
- header

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

## Authentication

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

- X-Username
- X-Password

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

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

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

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

## Error Handling

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

```

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

```

## Paths

### Create a new analyses.

POST /gobii/v1/analyses

#### Description

Create analysis entity for GDM system.

#### Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeAnalysisDTO</a>

#### Responses

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

## Tags

- Analyses

## List all analyses

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

### Description

List of all Analysis entities.

### Parameters

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

### Responses

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

## Tags

- Analyses

## Get an analyses by analysesId

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

### Description

Get analyses by analyses Id.

### Parameters

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

## Responses

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

## Tags

- Analyses

## Update the analyses by analysisId

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

## Description

Updates the Analysis entity having the specified analysisId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	analysisId —	ID of Analysis to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeAnalysisDTO</a>

## Responses

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

## Tags

- Analyses

## authenticate

```
POST /gobii/v1/auth
```

## Description

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

## Parameters

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

## Responses

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

## Tags

- Authentication

## List all configuration settings.

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

## Description

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

## Parameters

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

## Responses

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

## Tags

- ConfigSettings

## List all contacts from Contacts search

GET /gobii/v1/contact-search

## Description

List contacts for emailid, lastname, firstname, username.

## Parameters

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

## Responses

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

## Tags

- Contacts



# Create a new contact

POST /gobii/v1/contacts

## Description

Create new contact.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeContactDTO</a>

## Responses

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

## Tags

- Contacts

# List all contacts

GET /gobii/v1/contacts

## Description

List all contacts.

## Parameters

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

## Responses

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

## Tags

- Contacts

## Get a contact by contact id

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

## Description

Get contacts by Contact Id.

## Parameters

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

## Responses

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

## Tags

- Contacts

## Update a contact by contactId

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

## Description

Update contact by contact id.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	contactId —	ID of contacts to be updated.	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeContactDTO</a>

## Responses

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

## Tags

- Contacts

# Get contact by email id

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

## Description

Get contact by email id.

## Parameters

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

## Responses

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

## Tags

- Contacts

## list

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

### Description

List CV terms in CV group with cvGroupId

### Parameters

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

### Responses

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

## Tags

- ControlledVocabularies

## Get a CV group by cvGroupId

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

### Description

Get CV group by cv group type ID

### Parameters

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

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

## Responses

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

## Tags

- ControlledVocabularies

# Get a CV group by groupName

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

## Description

Get CV group by name

## Parameters

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

## Responses

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

## Tags

- ControlledVocabularies

# Create a new Controlled Vocabulary

POST /gobii/v1/cvs

## Description

Creates new cv's.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeCv</a> <a href="#">DTO</a>

## Responses

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

## Tags

- [ControlledVocabularies](#)

# List all CVs

GET /gobii/v1/cvs

## Description

List all cvs in the GDM.

## Parameters

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

## Responses

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

## Tags

- [ControlledVocabularies](#)

## Get a CV by cvId

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

## Description

Get cv by the id.

## Parameters

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

## Responses

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

## Tags

- [ControlledVocabularies](#)

## Update a CV by cvId

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

## Description

Update cv by cvId.

## Parameters

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

## Responses

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

## Tags

- ControlledVocabularies

# Delete a CV by cvId

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

## Description

Deletes cv by id.

## Parameters

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

## Responses

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



## Tags

- ControlledVocabularies

## List all CVs in a given groupName

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

### Description

List cvs by the group name.

### Parameters

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

### Responses

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

## Tags

- ControlledVocabularies

## Create a new dataset

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

### Description

Creates a new dataset in the system.

### Parameters

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

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

## Responses

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

## Tags

- Datasets

# List all datasets

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

## Description

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

## Parameters

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

## Responses

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

## Tags

- Datasets

## List of types of datasets

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

### Description

Lists dataset types in the system.

### Parameters

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

### Responses

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

## Tags

- Datasets

## Get datasets by type id

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

### Description

Gets the Dataset type by type ID.

### Parameters

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

## Responses

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

## Tags

- Datasets

## Get dataset by datasetId

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

## Description

Gets the Dataset entity having the specified ID.

## Parameters

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

## Responses

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

## Tags

- Datasets

## Update/Replace a dataset by datasetId

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

## Description

Updates the Dataset entity having the specified datasetId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	datasetId —	ID of the Dataset to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeDataSetDTO</a>

## Responses

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

## Tags

- Datasets

## List all analyses in a dataset with given datasetId

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

## Description

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

## Parameters

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

## Responses

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

## Tags

- Datasets

## List all jobs for a dataset with datasetId

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

## Description

List information for active job for a given datasetId

## Parameters

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

## Responses

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

## Tags

- Datasets

## Create a new display

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

## Description

Creates displays in GDM.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeDisplayDTO</a>

## Responses

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

## Tags

- Displays

# List all displays

GET /gobii/v1/displays

## Description

Lists all Displays in GDM

## Parameters

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

## Responses

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

## Tags

- Displays

# Get a display by displayId

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

## Description

Get the Display by display Id

## Parameters

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

## Responses

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

## Tags

- Displays

# Update a display with displayId

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

## Description

Updates the Display entity having the specified displayId.

## Parameters

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



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

## Responses

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

## Tags

- Displays

## List all entities

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

## Description

Lists all the existing entities in the system.

## Parameters

Type	Name	Description	Schema
Header	<b>X-Auth-Token</b> —	Authentication Token	string

## Responses

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

## Tags

- Entities

## Get entity count for a given entity child

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

## Description

Retrieves the total count of the children for the given entity

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	entityNameChild —	Name of the child entity	string
Path	entityNameParent —	Name of the parent entity	string
Path	parentId —	ID of the parent entity	integer (int32)

## Responses

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

## Tags

- Entities

## Get count for a given entity

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

## Description

Gets the total Entity count for the given entityName

## Parameters

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

## Responses

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

## Tags

- Entities

## Get last modified date of an entity

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

## Description

Gets last modified Entity for the given entityName

## Parameters

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

## Responses

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

## Tags

- Entities

## Create a new experiment

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

## Description

Creates a new experiment in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeExperimentDTO</a>

## Responses

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

## Tags

- Experiments

# List all experiments

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

## Description

List all the existing experiments in the system.

## Parameters

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

## Responses

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

## Tags

- Experiments

## Get a experiment by experimentId

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

### Description

Gets the Experiment entity having the specified ID.

### Parameters

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

### Responses

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

## Tags

- Experiments

## Update an experiment by experimentId

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

### Description

Updates the Experiment entity having the specified experimentId.

### Parameters

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

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

## Responses

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

## Tags

- Experiments

# List all protocols for a given experimentId

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

## Description

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

## Parameters

Type	Name	Description	Schema
Header	<b>X-Auth-Token</b> —	Authentication Token	string
Path	<b>experimentId</b> —	ID of the Experiment	integer (int32)

## Responses

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

## Tags

- Experiments

## List of loader files in a given directory

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

### Description

Gets file preview for the specified directory name

### Parameters

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

### Responses

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

### Tags

- Files

## Add a loader file to given directory

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

### Description

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

### Parameters

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

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

## Responses

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

## Tags

- Files

# Upload a file to given destination

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

## Description

Uploads an arbitrary file to the specified destination

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token	Authentication Token	string
Path	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

## Tags

- Files

## Delete a file by destination type

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

## Description

Deletes an arbitrary file from the specified destination

## Parameters

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

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `text/plain`

## Tags

- Files

## Upload a file for a given job and destination type

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

## Description

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

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	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
Query	file —	The file to be uploaded	string
Query	fileName —	Name of the file	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Tags

- Files

## Download a job file from a given destination type

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

## Description

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

## Parameters

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

Type	Name	Description	Schema
Path	<b>gobiiJobId</b> —	ID of the Job	string
Query	<b>fileName</b> —	Name of the file to be downloaded	string

## Responses

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

## Tags

- Files

# Create an extractor instruction file

POST /gobii/v1/instructions/extractor

## Description

Creates extractor instruction file and then submits a new Job.

## Parameters

Type	Name	Description	Schema
Header	<b>X-Auth-Token</b> —	Authentication Token	string
Body	<b>body</b> —		<a href="#">PayloadEnvelopeExtractorInstructionFilesDTO</a>

## Responses

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

## Tags

- Instructions

# Get extractor job status by jobName

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

## Description

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

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token	Authentication Token	string
	—		
Path	jobName	Name of the job	string
	—		

## Responses

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

## Tags

- Instructions

# Download an extractor instructor file

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

## Description

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

## Parameters

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

## Responses

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

## Tags

- Instructions

## Create loader instruction file

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

## Description

Creates loader instruction file and then submits a new Job.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeLoaderInstructionFilesDTO</a>

## Responses

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

## Tags

- Instructions

## Get loader job status by job name

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

## Description

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

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	jobName —	Name of the job	string

## Responses

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

## Tags

- Instructions

## Get a loader instruction file

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

## Description

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

## Parameters

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

## Responses

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

## Tags

- Instructions

## Create a new job

POST /gobii/v1/jobs

## Description

Creates a new job in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeJobDTO</a>

## Responses

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

## Tags

- Jobs

## List all jobs

GET /gobii/v1/jobs

## Description

Lists all the existing jobs in the system.

## Parameters

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

## Responses

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

## Tags

- Jobs

# Create DNA samples for a given job

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

## Description

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

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	jobName —	Name of the Job that the DNA samples will be added to	string
Body	body —		<a href="#">PayloadEnvelopeDNASampleDTO</a>

## Responses

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

## Tags

- Jobs



# Get job details by job name

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

## Description

Gets the Job entity having the specified name.

## Parameters

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

## Responses

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

## Tags

- Jobs

# Update a job by jobName

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

## Description

Updates the Job entity having the specified jobName.

## Parameters

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

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

## Responses

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

## Tags

- Jobs

# Create a manifest

POST /gobii/v1/manifests

## Description

Creates a Manifest entity for GOBii system.

## Parameters

Type	Name	Description	Schema
Header	<b>X-Auth-Token</b> —	Authentication Token	string
Body	<b>body</b> —		<a href="#">PayloadEnvelopeManifestDTO</a>

## Responses

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

## Tags

- Manifests

# List all manifests

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

## Description

Lists an unfiltered list of all Manifest entities.

## Parameters

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

## Responses

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

## Tags

- Manifests

# Get manifests by manifestId

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

## Description

Gets the Manifest entity having the specified ID.

## Parameters

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

## Responses

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

## Tags

- Manifests

## Update a manifest

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

### Description

Updates the Manifest entity having the specified manifestId.

### Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	manifestId —	ID of the Manifest to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeManifestDTO</a>

### Responses

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

## Tags

- Manifests

## List all mapsets

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

## Description

Lists all the existing Mapsets in the system.

## Parameters

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

## Responses

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

## Tags

- Maps

## Create a new Mapset

POST /gobii/v1/mapsets

## Description

Creates a new mapset in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeMapsetDTO</a>

## Responses

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

## Tags

- Maps

## List all mapsets

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

### Description

List all the existing mapsets in the system.

### Parameters

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

### Responses

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

## Tags

- Maps

## Get mapsets by mapsetId

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

### Description

Gets the Mapset entity having the specified ID.

### Parameters

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

## Responses

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

## Tags

- Maps

## Update a mapset by mapsetId

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

### Description

Updates the Mapset entity having the specified mapsetId.

### Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	mapsetId —	ID of the Mapset to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeMapsetDTO</a>

## Responses

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

## Tags

- Maps

## List all markers from markers search

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

## Description

List Marker search results.

## Parameters

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

## Responses

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

## Tags

- Markers

## Create a new Marker group

POST /gobii/v1/markergroups

## Description

Creates a new marker group in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeMarkerGroupDTO</a>

## Responses

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



## Tags

- Markers

## List all markergroups

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

### Description

Lists all the existing marker groups in the system.

### Parameters

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

### Responses

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

## Tags

- Markers

## Gets all markers in a given markergroup

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

### Description

Retrieves the Marker Group entity having the specified ID.

### Parameters

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

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

## Responses

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

## Tags

- Markers

# Update a marker by markergroupId

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

## Description

Updates the Marker Group entity having the specified markerGroupId.

## Parameters

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

## Responses

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

## Tags

- Markers

# Create a new marker

POST /gobii/v1/markers

## Description

Creates a new marker in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeMarkerDTO</a>

## Responses

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

## Tags

- Markers

# List all markers

GET /gobii/v1/markers

## Description

Lists all the existing markers in the system.

## Parameters

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

## Responses

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

## Tags

- Markers

## Get a marker by markerId

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

## Description

Retrieves the Marker entity having the specified ID.

## Parameters

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

## Responses

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

## Tags

- Markers

## Update a marker by markerId

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

## Description

Updates the Marker entity having the specified markerId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	markerId —	ID of the Marker to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeMarkerDTO</a>

## Responses

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

## Tags

- Markers

## Create a new NameID

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

## Description

Retrieves a list of name/ID combination for a given entity and name list. For the list of entities supported see class GobiiEntityType. 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
Header	X-Auth-Token —	Authentication Token	string
Path	entity —	The entity to be retrieved	string

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

## Responses

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

## Tags

- Names

# List all NameIds

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

## Description

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

## Parameters

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

## Responses

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

## Tags

- Names

## Create a new organization

POST /gobii/v1/organizations

## Description

Creates a new organization in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Responses

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

## Tags

- Organizations

## List all organizations

GET /gobii/v1/organizations

## Description

List all the existing organizations in the system.

## Parameters

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

## Responses

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

## Tags

- Organizations

# Get organization by organizationId

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

## Description

Retrieves the Organization entity having the specified ID.

## Parameters

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

## Responses

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



## Tags

- Organizations

# Update an organization by organizationId

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

## Description

Updates the Organization entity having the specified organizationId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	organizationId —	ID of the Organization to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Responses

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

## Tags

- Organizations

# ping

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

## Description

Pings the GDB Web server.

## Parameters

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

## Responses

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

## Tags

- Ping

# Create a new platform

POST /gobii/v1/platforms

## Description

Creates a new Platform in the system.

## Parameters

Type	Name	Description	Schema
Header	<b>X-Auth-Token</b> —	Authentication Token	string
Body	<b>body</b> —		<a href="#">PayloadEnvelopePlatformDTO</a>

## Responses

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

## Tags

- Platforms

# List all platforms

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

## Description

List all the existing platforms in the system.

## Parameters

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

## Responses

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

## Tags

- Platforms

# GET /platforms/protocols/{vendorProtocolId}

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

## Description

Gets the Platform entity having the specified Vendor Protocol ID.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	vendorProtocolId —	ID of the vendor protocol	integer (int32)

## Responses

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

## Tags

- Platforms

## Get a platform by platformId

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

## Description

Retrieves the Platform entity having the specified ID.

## Parameters

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

## Responses

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

## Tags

- Platforms

## Update a platform by platformId

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

## Description

Updates the Platform entity having the specified platformId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	platformId —	ID of the Platform to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopePlatformDTO</a>

## Responses

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

## Tags

- Platforms

## Create a new project

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

## Description

Creates a new project in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeProjectDTO</a>

## Responses

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

## Tags

- Projects

## List all projects

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

## Description

List all the existing projects in the system.

## Parameters

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

## Responses

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

## Tags

- Projects

## Get a project by projectId

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

## Description

Retrieves the Project entity having the specified ID.

## Parameters

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

## Responses

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

## Tags

- Projects

# Update a project by projectId

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

## Description

Updates the Project entity having the specified projectId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	projectId —	ID of the Project to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeProjectDTO</a>

## Responses

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

## Tags

- Projects

## Create a new protocol

POST /gobii/v1/protocols

### Description

Creates a new Protocol in the system.

### Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeProtocolDTO</a>

### Responses

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

## Tags

- Protocols

## List all protocols

GET /gobii/v1/protocols

### Description

List all the existing protocols in the system.

### Parameters

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



## Responses

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

## Tags

- Protocols

## Get a protocol by protocolId

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

## Description

Retrieves the Protocol entity having the specified ID.

## Parameters

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

## Responses

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

## Tags

- Protocols

## Update a protocol by protocolId

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

## Description

Updates the Protocol entity having the specified protocolId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	protocolId —	ID of the Protocol to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeProtocolDTO</a>

## Responses

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

## Tags

- Protocols

# Create new vendors for a given protocolId

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

## Description

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

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	protocolId —	ID of the Protocol	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Responses

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

## Tags

- Protocols.vendor

## List all vendors for a given protocolId

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

## Description

List all the vendor protocols given protocolId in the system.

## Parameters

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

## Responses

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

## Tags

- Protocols

## Update vendors for a given protocolId

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

## Description

Updates the Vendor Protocol entity having the specified protocolId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	protocolId —	ID of the Protocol	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeOrganizationDTO</a>

## Responses

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

## Tags

- Protocols

## Create a new reference

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

## Description

Creates a new reference in the system.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeReferenceDTO</a>

## Responses

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

## Tags

- References

## List all references

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

## Description

Lists all the existing references in the system.

## Parameters

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

## Responses

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

## Tags

- References

## GET /references/{referenceId}

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

## Description

Gets the Reference entity having the specified ID.

## Parameters

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

## Responses

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

## Tags

- References

# Update a reference by referenceId

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

## Description

Updates the Reference entity having the specified referenceId.

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	referenceId —	ID of the Reference to be updated	integer (int32)
Body	body —		<a href="#">PayloadEnvelopeReferenceDTO</a>

## Responses

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

## Tags

- References

## /restprofiles/

PUT /gobii/v1/restprofiles

### Description

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

### Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Body	body —		<a href="#">PayloadEnvelopeRestProfileDTO</a>

### Responses

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

## Tags

- RestProfiles

## Definitions

### AnalysisDTO

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

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



## ConfigSettingsDTO

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

## ContactDTO

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

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

## CvDTO

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

## CvGroupDTO

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

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

## DataSetDTO

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

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

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

## DisplayDTO

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

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

## DnaSampleDTO

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

## EntityPropertyDTO

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

## EntityStatsDTO

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

## ExperimentDTO

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

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

## ExtractorInstructionFilesDTO

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



# GobiiDataSetExtract

Name	Schema
<b>accolate</b> —	boolean
<b>dataSet</b> —	<a href="#">PropNameId</a>
<b>extractDestinationDirectory</b> —	string
<b>extractedFiles</b> —	< file > array
<b>gobiiDatasetType</b> —	<a href="#">PropNameId</a>
<b>gobiiExtractFilterType</b> —	enum (UNKNOWN, WHOLE_DATASET, BY_MARKER, BY_SAMPLE)
<b>gobiiFileType</b> —	enum (HAPMAP, FLAPJACK, GENERIC, VCF, META_DATA)
<b>gobiiJobStatus</b> —	enum (CV_PROGRESSSTATUS_PENDING, CV_PROGRESSSTATUS_INPROGRESS, CV_PROGRESSSTATUS_COMPLETED, CV_PROGRESSSTATUS_FAILED, CV_PROGRESSSTATUS_VALIDATION, CV_PROGRESSSTATUS_DIGEST, CV_PROGRESSSTATUS_TRANSFORMATION, CV_PROGRESSSTATUS_METADATALOAD, CV_PROGRESSSTATUS_MATRIXLOAD, CV_PROGRESSSTATUS_ABORTED, CV_PROGRESSSTATUS_METADATAEXTRACT, CV_PROGRESSSTATUS_FINALASSEMBLY, CV_PROGRESSSTATUS_QCPROCESSING, CV_PROGRESSSTATUS_NOSTATUS)
<b>gobiiSampleListType</b> —	enum (GERMPLASM_NAME, EXTERNAL_CODE, DNA_SAMPLE)
<b>listFileName</b> —	string
<b>logMessage</b> —	string
<b>markerGroups</b> —	< <a href="#">PropNameId</a> > array
<b>markerList</b> —	< string > array
<b>platforms</b> —	< <a href="#">PropNameId</a> > array
<b>principleInvestigator</b> —	<a href="#">PropNameId</a>

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

## GobiiExtractorInstruction

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

## GobiiFile

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

## GobiiFileColumn

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

Name	Schema
<b>filterFrom</b> —	string
<b>filterTo</b> —	string
<b>findText</b> —	string
<b>getcCoord</b> —	integer (int32)
<b>getrCoord</b> —	integer (int32)
<b>gobiiColumnType</b> —	enum (CSV_COLUMN, CSV_ROW, CSV_BOTH, VCF_SAMPLE, VCF_MARKER, VCF_VARIANT, VCF_METADATA, VCF_INFO, CONSTANT, AUTOINCREMENT, VCF_MARKER_POS)
<b>index</b> —	string
<b>metaDataId</b> —	string
<b>name</b> —	string
<b>replaceText</b> —	string
<b>subcolumn</b> —	boolean
<b>subcolumnDelimiter</b> —	string

## GobiiLoaderInstruction

Name	Schema
<b>gobiiFileColumns</b> —	< <a href="#">GobiiFileColumn</a> > array
<b>table</b> —	string

## GobiiLoaderMetadata

Name	Schema
<b>contactEmail</b> —	string
<b>contactId</b> —	integer (int32)

Name	Schema
<b>dataset</b> —	<a href="#">PropNameId</a>
<b>datasetOrientationType</b> —	enum (SAMPLE_FAST, MARKER_FAST)
<b>datasetType</b> —	<a href="#">PropNameId</a>
<b>experiment</b> —	<a href="#">PropNameId</a>
<b>gobiiCropType</b> —	string
<b>gobiiFile</b> —	<a href="#">GobiiFile</a>
<b>gobiiJobStatus</b> —	enum (CV_PROGRESSTATUS_PENDING, CV_PROGRESSTATUS_INPROGRESS, CV_PROGRESSTATUS_COMPLETED, CV_PROGRESSTATUS_FAILED, CV_PROGRESSTATUS_VALIDATION, CV_PROGRESSTATUS_DIGEST, CV_PROGRESSTATUS_TRANSFORMATION, CV_PROGRESSTATUS_METADATALOAD, CV_PROGRESSTATUS_MATRIXLOAD, CV_PROGRESSTATUS_ABORTED, CV_PROGRESSTATUS_METADATAEXTRACT, CV_PROGRESSTATUS_FINALASSEMBLY, CV_PROGRESSTATUS_QCPROCESSING, CV_PROGRESSTATUS_NOSTATUS)
<b>jobPayloadType</b> —	enum (CV_PAYLOADTYPE_SAMPLES, CV_PAYLOADTYPE_MARKERS, CV_PAYLOADTYPE_MATRIX, CV_PAYLOADTYPE_MARKERSAMPLES, CV_PAYLOADTYPE_ALLMETA)
<b>mapset</b> —	<a href="#">PropNameId</a>
<b>platform</b> —	<a href="#">PropNameId</a>
<b>project</b> —	<a href="#">PropNameId</a>
<b>qcCheck</b> —	boolean

## GobiiLoaderProcedure

Name	Schema
<b>instructions</b> —	< <a href="#">GobiiLoaderInstruction</a> > array

Name	Schema
<b>metadata</b> —	<a href="#">GobiiLoaderMetadata</a>

## Header

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

## HeaderAuth

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

## HeaderStatusMessage

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

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

## InputStream

Type : object

## InputStreamResource

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

## JobDTO

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

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

## Link

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

## LinkCollection

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

## LoaderFilePreviewDTO

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

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

## LoaderInstructionFilesDTO

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

## ManifestDTO

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



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

## MapsetDTO

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

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

## MarkerDTO

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

## MarkerGroupDTO

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

## MarkerGroupMarkerDTO

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

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

## NameIdDTO

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

## OrganizationDTO

Name	Schema
<b>address</b> —	string

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

## Pagination

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

# Payload

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

# PayloadAnalysisDTO

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

# PayloadConfigSettingsDTO

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

# PayloadContactDTO

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

# PayloadCvDTO

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

## PayloadCvGroupDTO

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

## PayloadDataSetDTO

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

## PayloadDisplayDTO

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

## PayloadDnaSampleDTO

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

## PayloadEntityStatsDTO

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

## PayloadEnvelope

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

## PayloadEnvelopeAnalysisDTO

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

## PayloadEnvelopeConfigSettingsDTO

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

## PayloadEnvelopeContactDTO

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

## PayloadEnvelopeCvDTO

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



## PayloadEnvelopeCvGroupDTO

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

## PayloadEnvelopeDataSetDTO

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

## PayloadEnvelopeDisplayDTO

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

## PayloadEnvelopeDnaSampleDTO

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

## PayloadEnvelopeEntityStatsDTO

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

## PayloadEnvelopeExperimentDTO

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

## PayloadEnvelopeExtractorInstructionFilesDTO

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

## PayloadEnvelopeJobDTO

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

## PayloadEnvelopeLoaderFilePreviewDTO

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

## PayloadEnvelopeLoaderInstructionFilesDTO

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

## PayloadEnvelopeManifestDTO

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

## PayloadEnvelopeMapsetDTO

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

## PayloadEnvelopeMarkerDTO

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

## PayloadEnvelopeMarkerGroupDTO

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

## PayloadEnvelopeNameIdDTO

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

## PayloadEnvelopeOrganizationDTO

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

## PayloadEnvelopePingDTO

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

## PayloadEnvelopePlatformDTO

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

## PayloadEnvelopeProjectDTO

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

## PayloadEnvelopeProtocolDTO

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

## PayloadEnvelopeReferenceDTO

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

## PayloadEnvelopeRestProfileDTO

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

## PayloadExperimentDTO

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

## PayloadExtractorInstructionFilesDTO

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

## PayloadJobDTO

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

## PayloadLoaderFilePreviewDTO

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

## PayloadLoaderInstructionFilesDTO

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

## PayloadManifestDTO

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

## PayloadMapsetDTO

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

## PayloadMarkerDTO

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

## PayloadMarkerGroupDTO

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

## PayloadNameIdDTO

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

## PayloadObject

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

## PayloadOrganizationDTO

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

## PayloadPingDTO

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

## PayloadPlatformDTO

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

## PayloadProjectDTO

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

## PayloadProtocolDTO

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

## PayloadReferenceDTO

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

## PayloadRestProfileDTO

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



## PingDTO

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

## PlatformDTO

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

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

## ProjectDTO

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

## PropNameId

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

## ProtocolDTO

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

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

## ReferenceDTO

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

## RestProfileDTO

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

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

## ServerConfigItem

Name	Schema
<b>confidentialityNotice</b> —	string
<b>contextRoot</b> —	string
<b>domain</b> —	string

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

## Status

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

## TableColDisplay

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

## VendorProtocolDTO

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

Name	Schema
<b>status</b> —	integer (int32)
<b>vendorProtocolId</b> —	integer (int32)