

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 .....	5
Error Handling .....	5
Paths .....	6
Get Allele Matrices.....	6
Search Allele Matrix .....	6
Search Allele Matrix .....	7
Get Allele Matrix Job status .....	8
List all calls.....	8
List all files .....	9
Get germplasm by study db id.....	9
List all Marker Profiles .....	10
List all Marker Profiles .....	11
Search the studies.....	11
List all observation variables for given study db id .....	12
List all tokens.....	13
Create a new analyses.....	13
List all analyses .....	14
Get an analyses by analysesId .....	15
Update the analyses by analysesId .....	15
authenticate.....	16
List all configuration settings.....	17
List all contacts from Contacts search .....	17
Create a new contact .....	18
List all contacts.....	19
Get a contact by contact id.....	19
Update a contact by contactId.....	20
Get contact by email id .....	20
list .....	21
Get a CV group by cvGroupId.....	22

Get a CV group by groupName .....	22
Create a new Controlled Vocabulary.....	23
List all CVs .....	24
Get a CV by cvId .....	24
Update a CV by cvId.....	25
Delete a CV by cvId .....	25
List all CVs in a given groupName .....	26
Create a new dataset .....	27
List all datasets.....	27
List of types of datasets.....	28
Get datasets by type id .....	29
Get dataset by datasetId .....	29
Update/Replace a dataset by datasetId .....	30
List all analyses in a dataset with given datasetId.....	30
List all jobs for a dataset with datasetId.....	31
Create a new display .....	32
List all displays .....	32
Get a display by displayId .....	33
Update a display with displayId .....	33
List all entities.....	34
Get entity count for a given entity child.....	35
Get count for a given entity.....	35
Get last modified date of an entity.....	36
Create a new experiment.....	37
List all experiments.....	37
Get a experiment by experimentId .....	38
Update an experiment by experimentId .....	38
List all protocols for a given experimentId .....	39
List of loader files in a given directory.....	40
Add a loader file to given directory.....	40
Upload a file to given destination .....	41
Detele a file by destination type .....	42
Upload a file for a given job and destination type .....	43
Download a job file from a given destination type .....	43
Create an extractor instruction file .....	44
Get extractor job status by jobName .....	45
Download an extractor instructor file .....	45
Create loader instruction file .....	46
Get loader job status by job name .....	47
Get a loader instruction file.....	47
Create a new job.....	48

List all jobs .....	49
Create DNA samples for a given job .....	49
Get job details by job name .....	50
Update a job by jobName .....	50
Create a manifest .....	51
List all manifests .....	52
Get manifests by manifestId .....	52
Update a manifest .....	53
List all mapsets .....	54
Create a new Mapset .....	54
List all mapsets .....	55
Get mapsets by mapsetId .....	55
Update a mapset by mapsetId .....	56
List all markers from markers search .....	57
Create a new Marker group .....	57
List all markergroups .....	58
Gets all markers in a given markergroup .....	58
Update a marker by markergroupId .....	59
Create a new marker .....	60
List all markers .....	60
Get a marker by markerId .....	61
Update a marker by markerId .....	62
Create a new NameID .....	62
List all NameIds .....	63
Create a new organization .....	64
List all organizations .....	65
Get organization by organizationId .....	65
Update an organization by organizationId .....	66
ping .....	67
Create a new platform .....	67
List all platforms .....	68
GET /platforms/protocols/{vendorProtocolId} .....	68
Get a platform by platformId .....	69
Update a platform by platformId .....	70
Create a new project .....	70
List all projects .....	71
Get a project by projectId .....	72
Update a project by projectId .....	72
Create a new protocol .....	73
List all protocols .....	74
Get a protocol by protocolId .....	74

Update a protocol by protocolId . . . . .	75
Create new vendors for a given protocolId . . . . .	75
List all vendors for a given protocolId . . . . .	76
Update vendors for a given protocolId . . . . .	77
Create a new reference . . . . .	77
List all references . . . . .	78
GET /references/{referenceId} . . . . .	79
Update a reference by referenceId . . . . .	79
/restprofiles/ . . . . .	80
Definitions . . . . .	81
AnalysisDTO . . . . .	81
ConfigSettingsDTO . . . . .	82
ContactDTO . . . . .	82
CvDTO . . . . .	83
CvGroupDTO . . . . .	84
DataSetDTO . . . . .	84
DisplayDTO . . . . .	86
DnaSampleDTO . . . . .	87
EntityPropertyDTO . . . . .	88
EntityStatsDTO . . . . .	88
ExperimentDTO . . . . .	89
ExtractorInstructionFilesDTO . . . . .	90
GobiiDataSetExtract . . . . .	90
GobiiExtractorInstruction . . . . .	91
GobiiFile . . . . .	91
GobiiFileColumn . . . . .	92
GobiiLoaderInstruction . . . . .	93
GobiiLoaderMetadata . . . . .	93
GobiiLoaderProcedure . . . . .	94
Header . . . . .	94
HeaderAuth . . . . .	94
HeaderStatusMessage . . . . .	95
InputStream . . . . .	95
InputStreamResource . . . . .	95
JobDTO . . . . .	96
Link . . . . .	96
LinkCollection . . . . .	97
LoaderFilePreviewDTO . . . . .	97
LoaderInstructionFilesDTO . . . . .	97
ManifestDTO . . . . .	97
MapsetDTO . . . . .	98

MarkerDTO .....	99
MarkerGroupDTO .....	100
MarkerGroupMarkerDTO .....	101
NameIdDTO .....	101
OrganizationDTO .....	102
Pagination .....	103
Payload .....	103
PayloadAnalysisDTO .....	103
PayloadConfigSettingsDTO .....	103
PayloadContactDTO .....	104
PayloadCvDTO .....	104
PayloadCvGroupDTO .....	104
PayloadDataSetDTO .....	104
PayloadDisplayDTO .....	104
PayloadDnaSampleDTO .....	105
PayloadEntityStatsDTO .....	105
PayloadEnvelope .....	105
PayloadEnvelopeAnalysisDTO .....	105
PayloadEnvelopeConfigSettingsDTO .....	105
PayloadEnvelopeContactDTO .....	106
PayloadEnvelopeCvDTO .....	106
PayloadEnvelopeCvGroupDTO .....	106
PayloadEnvelopeDataSetDTO .....	106
PayloadEnvelopeDisplayDTO .....	106
PayloadEnvelopeDnaSampleDTO .....	107
PayloadEnvelopeEntityStatsDTO .....	107
PayloadEnvelopeExperimentDTO .....	107
PayloadEnvelopeExtractorInstructionFilesDTO .....	107
PayloadEnvelopeJobDTO .....	107
PayloadEnvelopeLoaderFilePreviewDTO .....	108
PayloadEnvelopeLoaderInstructionFilesDTO .....	108
PayloadEnvelopeManifestDTO .....	108
PayloadEnvelopeMapsetDTO .....	108
PayloadEnvelopeMarkerDTO .....	108
PayloadEnvelopeMarkerGroupDTO .....	109
PayloadEnvelopeNameIdDTO .....	109
PayloadEnvelopeOrganizationDTO .....	109
PayloadEnvelopePingDTO .....	109
PayloadEnvelopePlatformDTO .....	109
PayloadEnvelopeProjectDTO .....	110
PayloadEnvelopeProtocolDTO .....	110

PayloadEnvelopeReferencedDTO .....	110
PayloadEnvelopeRestProfileDTO .....	110
PayloadExperimentDTO .....	110
PayloadExtractorInstructionFilesDTO .....	111
PayloadJobDTO .....	111
PayloadLoaderFilePreviewDTO .....	111
PayloadLoaderInstructionFilesDTO .....	111
PayloadManifestDTO .....	111
PayloadMapsetDTO .....	112
PayloadMarkerDTO .....	112
PayloadMarkerGroupDTO .....	112
PayloadNameIdDTO .....	112
PayloadObject .....	112
PayloadOrganizationDTO .....	113
PayloadPingDTO .....	113
PayloadPlatformDTO .....	113
PayloadProjectDTO .....	113
PayloadProtocolDTO .....	113
PayloadReferenceDTO .....	114
PayloadRestProfileDTO .....	114
PingDTO .....	114
PlatformDTO .....	114
ProjectDTO .....	115
PropNameId .....	116
ProtocolDTO .....	116
ReferenceDTO .....	117
RestProfileDTO .....	118
ServerConfigItem .....	119
Status .....	120
TableColDisplay .....	120
VendorProtocolDTO .....	120

# Overview

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

## Version information

*Version* : 1.0

## License information

*License* : Apache 2.0

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

*Terms of service* : null

## URI scheme

*Host* : api.gobii.org:8081

*BasePath* : /gobii-dev

*Schemes* : HTTP

## Tags

- Analyses
- Authentication
- BrAPI
- 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

## Get Allele Matrices

```
GET /brapi/v1/allelematrices
```

### Description

Get allele matrices by given study db id

### Parameters

Type	Name	Description	Schema
Query	<b>studyDbId</b> —	Study DB Id	string

### Responses

HTTP Code	Description	Schema
200	successful operation	string

### Produces

- `application/json`

### Tags

- BrAPI

## Search Allele Matrix

```
POST /brapi/v1/allelematrix-search
```

### Description

Search allele matrix using marker profiles

### Parameters

Type	Name	Description	Schema
Query	<b>markerprofile</b> DbId —	Marker Profile Id	string
Query	<b>matrixDbId</b> —	Matrix DB Id	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# Search Allele Matrix

```
GET /brapi/v1/allelematrix-search
```

## Description

Search allele matrix using marker profiles

## Parameters

Type	Name	Description	Schema
Query	<b>markerprofile</b> DbId —	Marker Profile Id	string
Query	<b>matrixDbId</b> —	Matrix DB Id	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# Get Allele Matrix Job status

```
GET /brapi/v1/allelematrix-search/status/{jobId}
```

## Description

Get allele matrix Job status

## Parameters

Type	Name	Description	Schema
Path	jobId —	Job Id	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# List all calls.

```
GET /brapi/v1/calls
```

## Description

List all calls

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# List all files

GET /brapi/v1/files

## Description

List all the files in a given path.

## Parameters

Type	Name	Description	Schema
Query	<code>fqp</code> —	Fully qualified path name	string

## Responses

HTTP Code	Description	Schema
default	successful operation	No Content

## Produces

- `application/octet-stream`

## Tags

- BrAPI

# Get germplasm by study db id.



```
GET /brapi/v1/germplasm/{studyDbId}
```

## Description

Get germplasm by study db id.

## Parameters

Type	Name	Description	Schema
Path	<b>studyDbId</b> —	Study DB Id	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# List all Marker Profiles

```
POST /brapi/v1/markerprofiles
```

## Description

List all Marker Profiles in given germplasm db..

## Parameters

Type	Name	Description	Schema
Query	<b>germplasmDbId</b> —	Germplasm DB Id	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# List all Marker Profiles

GET /brapi/v1/markerprofiles

## Description

List all Marker Profiles in given germplasm db..

## Parameters

Type	Name	Description	Schema
Query	germplasmDb Id —	Germplasm DB Id	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# Search the studies.

POST /brapi/v1/studies-search

## Description

Search studies.

## Parameters

Type	Name	Schema
Body	<b>body</b> —	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

# List all observation variables for given study db id

```
GET /brapi/v1/studies/{studyDbId}/observationVariables
```

## Description

List all observation variables for given study db id

## Parameters

Type	Name	Description	Schema
Path	<b>studyDbId</b> —	Study DB Id	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

## List all tokens.

POST /brapi/v1/token

## Description

List all tokens

## Parameters

Type	Name	Schema
Body	body —	string

## Responses

HTTP Code	Description	Schema
200	successful operation	string

## Produces

- `application/json`

## Tags

- BrAPI

## 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 analysisId

```
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)
	—		

Type	Name	Description	Schema
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



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

## Responses

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

## Tags

- Contacts

# Create a new contact

POST /gobii/v1/contacts

## Description

Create new contact.

## Parameters

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

## Responses

HTTP Code	Description	Schema
200	successful operation	<a href="#">PayloadEnvelopeCvDTO</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	X-Auth-Token —	Authentication Token	string
Path	cvId —	ID of the CV to be extracted	integer (int32)

## Responses

HTTP Code	Description	Schema
200	successful operation	<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
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

Type	Name	Description	Schema
Query	<b>pageNo</b> —	Retrieve the specified page by number	integer (int32)
Query	<b>pageSize</b> —	Specify the custom page size	integer (int32)
Query	<b>queryId</b> —		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	<b>X-Auth-Token</b> —	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)
Body	body —		<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	X-Auth-Token —	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
Path	experimentId —	ID of the Experiment to be updated	integer (int32)
Body	body —		<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	X-Auth-Token —	Authentication Token	string
Path	experimentId —	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="#">PayloadEnvelopeLoaderFilePreview DTO</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
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
Path	gobiiJobId —	ID of the Job	string
Query	fileName —	Name of the file to be downloaded	string

## Responses

HTTP Code	Description	Schema
200	successful operation	<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	X-Auth-Token —	Authentication Token	string
Body	body —		<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

Type	Name	Description	Schema
Path	instructionFile Name	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
Body	body —		<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	X-Auth-Token —	Authentication Token	string
Body	body —		<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="#">PayloadEnvelope</a> <a href="#">MapsetDTO</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/margergroups
```

### Description

Creates a new marker group in the system.

### Parameters

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



Type	Name	Description	Schema
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="#">PayloadEnvelopeMarkerGroupDTO</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
Path	markerGroupId —	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	X-Auth-Token —	Authentication Token	string
Path	markerGroupId —	ID of the Marker Group to be updated	integer (int32)
Body	body —		<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 GobiiEntityNameType. This service is specifically implemented for these filter types: NAMES\_BY\_NAME\_LIST - given a list of names, return the same list with the corresponding ID in the database. If name doesn't exist, ID will be 0. NAMES\_BY\_NAME\_LIST\_RETURN\_EXISTS - given a list of names, return the list of names with ID that exists in the

database.NAMES\_BY\_NAME\_LIST\_RETURN\_ABSENT - given a list of names, return the list of names that doesn't exist in the database with 0 as the IDFilter value varies per entity. This can be cv group name, project ID, platform ID, etc.Example use case: entity = CV; filterType = NAMES\_BY\_NAME\_LIST; filterValue = germplasm\_typeResult will be a list of CV terms with ID having germplasm\_type as the cv group

## Parameters

Type	Name	Description	Schema
Header	X-Auth-Token —	Authentication Token	string
Path	entity —	The entity to be retrieved	string
Query	filterType —	The filter type for the name list	string
Query	filterValue —	The value for the filter type	string
Body	body —		<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 GobiiEntityNameType.List can further be filtered out by specifying the filter type and value.For the list of filter types supported see class GobiiFilterType.Example use case: entity = CV; filterType = NAMES\_BY\_TYPE\_NAME; filterValue = statusResult will be a list of CV terms having status as the cv group

## Parameters

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

## Responses

HTTP Code	Description	Schema
200	successful operation	<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)
	—		

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

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

## Responses

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

## Tags

- References

## /restprofiles/

PUT /gobii/v1/restprofiles

## Description

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

## Parameters

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

## Responses

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

## Tags

- RestProfiles

# Definitions

## AnalysisDTO

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



Name	Schema
<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

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>firstName</b> —	string
<b>id</b> —	integer (int32)
<b>lastName</b> —	string
<b>modifiedBy</b> —	integer (int32)
<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)

Name	Schema
<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
<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

Name	Schema
<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
<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

Name	Schema
<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
<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

Name	Schema
<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)
<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

Name	Schema
<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)

Name	Schema
<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
<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)

Name	Schema
<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>
<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

Name	Schema
<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
<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)
<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_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>jobPayloadType</b> —	enum (CV_PAYLOADTYPE_SAMPLES, CV_PAYLOADTYPE_MARKERS, CV_PAYLOADTYPE_MATRIX, CV_PAYLOADTYPE_MARKERSAMPLES, CV_PAYLOADTYPE_ALLMETA)

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

## InputStream

*Type* : object

## InputStreamResource

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

Name	Schema
<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)
<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
<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



Name	Schema
<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>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)

Name	Schema
<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
<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)

Name	Schema
<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)

Name	Schema
<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
<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)

Name	Schema
<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
<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)

Name	Schema
<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

Name	Schema
<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

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

## PayloadEnvelopeAnalysisDTO

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

## PayloadEnvelopeConfigSettingsDTO

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



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

## PayloadEnvelopeContactDTO

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

## PayloadEnvelopeCvDTO

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

## PayloadEnvelopeCvGroupDTO

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

## PayloadEnvelopeDataSetDTO

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

## PayloadEnvelopeDisplayDTO

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

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

## PayloadEnvelopeDnaSampleDTO

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

## PayloadEnvelopeEntityStatsDTO

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

## PayloadEnvelopeExperimentDTO

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

## PayloadEnvelopeExtractorInstructionFilesDTO

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

## PayloadEnvelopeJobDTO

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

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

## PayloadEnvelopeLoaderFilePreviewDTO

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

## PayloadEnvelopeLoaderInstructionFilesDTO

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

## PayloadEnvelopeManifestDTO

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

## PayloadEnvelopeMapsetDTO

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

## PayloadEnvelopeMarkerDTO

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

Name	Schema
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>

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

## PayloadEnvelopeProjectDTO

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

## PayloadEnvelopeProtocolDTO

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

Name	Schema
<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

Name	Schema
<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

Name	Schema
<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



Name	Schema
<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)

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>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
<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)

Name	Schema
<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

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>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)
<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)

Name	Schema
<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)
<b>max</b> —	integer (int32)
<b>restMethodType</b> —	enum (GET, POST, PUT, PATCH, DELETE, OPTIONS)

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

## ServerConfigItem

Name	Schema
<b>confidentialityNotice</b> —	string
<b>contextRoot</b> —	string
<b>domain</b> —	string
<b>fileLocations</b> —	< string, string > map
<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)
<b>status</b> —	integer (int32)
<b>vendorProtocolId</b> —	integer (int32)