

GOBii API

Table of Contents

Overview	1
Version information	1
License information	1
URI scheme	1
System Architecture	1
DTO Models	1
Data Access	1
DTO Mapping	1
Services	1
The Web Controller	1
Web Service Operations	2
Request/Response Structure	2
Authentication	2
Error Handling	2
Paths	2
/analyses	2
/auth	2
/configsettings	3
Definitions	3
AnalysisDTO	4
ConfigSettingsDTO	4
EntityPropertyDTO	4
Header	4
HeaderAuth	5
HeaderStatusMessage	5
Link	6
LinkCollection	6
Pagination	6
PayloadAnalysisDTO	7
PayloadConfigSettingsDTO	7
PayloadEnvelopeConfigSettingsDTO	7
ServerConfig	7
Status	8

Overview

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

Version information

Version : 1.0

License information

License : Apache 2.0

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

URI scheme

Host : localhost:8081

BasePath : /api

Schemes : HTTP

System Architecture

DTO Models

Content TBD

Data Access

Content TBD

DTO Mapping

Content TBD

Services

Content TBD

The Web Controller

Content TBD

Web Service Operations

Request/Response Structure

Content TBD

Authentication

Content TBD

Error Handling

Content TBD

Paths

/analyses

POST /gobii/v1/analyses

Description

Creates an analysis entity

Parameters

Type	Name	Description	Schema	Default
Body	body <i>required</i>		AnalysisDTO	

Responses

HTTP Code	Description	Schema
200	successful operation	AnalysisDTO

/auth

POST /gobii/v1/auth

Description

The user credentials are specified in the request headers; the response and the response headers include the token, which the client will include in the request headers for subsequent requests.

Parameters

Type	Name	Description	Schema	Default
Body	body <i>optional</i>		string	

Responses

HTTP Code	Description	Schema
200	successful operation	string

/configsettings

GET /gobii/v1/configsettings

Description

Provides generic configuration information about the GOBii instance

Responses

HTTP Code	Description	Schema
200	successful operation	PayloadEnvelopeConfigSettingsDTO

Definitions

AnalysisDTO

Name	Description	Schema
header <i>optional</i>		Header
payload <i>optional</i>		PayloadAnalysisDTO

ConfigSettingsDTO

Name	Description	Schema
allowedProcessesTypes <i>optional</i>		< enum (CREATE, READ, UPDATE, DELETE, NONE) > array
id <i>optional</i>		integer(int32)
maxUploadSizeMbytes <i>optional</i>		integer(int32)
serverCapabilities <i>optional</i>		< string, boolean > map
serverConfigs <i>optional</i>		< string, ServerConfig > map

EntityPropertyDTO

Name	Description	Schema
entityIdId <i>optional</i>		integer(int32)
propertyId <i>optional</i>		integer(int32)
propertyName <i>optional</i>		string
propertyValue <i>optional</i>		string

Header

Name	Description	Schema
cropType <i>optional</i>		string

Name	Description	Schema
dtoHeaderAuth <i>optional</i>		HeaderAuth
gobiiProcessType <i>optional</i>		enum (CREATE, READ, UPDATE, DELETE, NONE)
gobiiVersion <i>optional</i>		string
pagination <i>optional</i>		Pagination
status <i>optional</i>		Status

HeaderAuth

Name	Description	Schema
gobiiCropType <i>optional</i>		string
password <i>optional</i>		string
token <i>optional</i>		string
userName <i>optional</i>		string

HeaderStatusMessage

Name	Description	Schema
gobiiStatusLevel <i>optional</i>		enum (ERROR, VALIDATION, WARNING, INFO, OK)

Name	Description	Schema
gobiiValidationStatusType <i>optional</i>		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)
message <i>optional</i>		string

Link

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

LinkCollection

Name	Description	Schema
exploreLinksPerDataItem <i>optional</i>		< < Link > array > array
linksPerDataItem <i>optional</i>		< Link > array

Pagination

Name	Description	Schema
currentPage <i>optional</i>		integer(int32)
pageSize <i>optional</i>		integer(int32)
pagedQueryId <i>optional</i>		string
queryTime <i>optional</i>		string(date-time)
totalPages <i>optional</i>		integer(int32)

PayloadAnalysisDTO

Name	Description	Schema
data <i>optional</i>		< AnalysisDTO > array
linkCollection <i>optional</i>		LinkCollection

PayloadConfigSettingsDTO

Name	Description	Schema
data <i>optional</i>		< ConfigSettingsDTO > array
linkCollection <i>optional</i>		LinkCollection

PayloadEnvelopeConfigSettingsDTO

Name	Description	Schema
header <i>optional</i>		Header
payload <i>optional</i>		PayloadConfigSettingsDTO

ServerConfig

Name	Description	Schema
confidentialityNotice <i>optional</i>		string

Name	Description	Schema
contextRoot <i>optional</i>		string
domain <i>optional</i>		string
fileLocations <i>optional</i>		< string, string > map
gobiiCropType <i>optional</i>		string
port <i>optional</i>		integer(int32)

Status

Name	Description	Schema
statusMessages <i>optional</i>		< HeaderStatusMessage > array
statusMessagesByCode <i>optional</i>		< string, string > map
succeeded <i>optional</i>	Default : false	boolean