

# Gandalf

## Overview

Multimedia analysis API

[Terms Of Service](#)

[Apache 2.0](#)

[Find more info here.](#)

## Security

Type	Name	Scopes
apiKey	JWT	

## Paths

***POST* /token/ Obtain a JWT for the user.**

*Responses*

Code	Description	Links									
200	<p>OK: the authentication has been accepted.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>access <i>optional</i></td><td>The authentication token.</td><td>string</td></tr><tr><td>refresh <i>optional</i></td><td>The refresh token.</td><td>string</td></tr></table>	Name	Description	Schema	access <i>optional</i>	The authentication token.	string	refresh <i>optional</i>	The refresh token.	string	No Links
Name	Description	Schema									
access <i>optional</i>	The authentication token.	string									
refresh <i>optional</i>	The refresh token.	string									

Code	Description	Links												
401	<p>Unauthorized: the authentication has been refused.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer realm='api')</td></tr> </table> <p><i>Content</i> <b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>detail <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre>{"detail": "No active account found with the given credentials"}</pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer realm='api')	Name	Description	Schema	detail <i>optional</i>	The reason for refusing access.	string	No Links
Name	Description	Schema												
WWW-Authenticate	The requested authentication type.	enum (Bearer realm='api')												
Name	Description	Schema												
detail <i>optional</i>	The reason for refusing access.	string												
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i> <b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason": "Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links						
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reason <i>optional</i>	A description of the error.	string												

**POST /token/refresh** Obtain a JWT for the user.

*Responses*

Code	Description	Links															
200	<p>OK: the authentication has been accepted.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>access <i>optional</i></td><td>The authentication token.</td><td>string</td></tr> </table>	Name	Description	Schema	access <i>optional</i>	The authentication token.	string	No Links									
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access <i>optional</i>	The authentication token.	string															
401	<p>Unauthorized: the authentication has been refused.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer realm='api')</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>detail <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> <tr> <td>code <i>optional</i></td><td>The error code.</td><td>string</td></tr> </table> <pre> {"detail": "Token is invalid or expired", "code": "token_not_valid"} </pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer realm='api')	Name	Description	Schema	detail <i>optional</i>	The reason for refusing access.	string	code <i>optional</i>	The error code.	string	No Links
Name	Description	Schema															
WWW-Authenticate	The requested authentication type.	enum (Bearer realm='api')															
Name	Description	Schema															
detail <i>optional</i>	The reason for refusing access.	string															
code <i>optional</i>	The error code.	string															

Code	Description	Links						
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <div> <pre>{"reason":"Backend is not responding."}</pre> </div>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links
Name	Description	Schema						
reason <i>optional</i>	A description of the error.	string						

## ***GET* /projects/ Obtain the list of available projects.**

### *Responses*

Code	Description	Links
200	<p>OK: a list of available projects.</p> <p><i>Content</i></p>	No Links

Code	Description	Links															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links									
Name	Description	Schema															
reason <i>optional</i>	A description of the error.	string															

## POST /projects/ Create a new project.

### Parameters

Type	Name	Description	Schema
query	name <i>required</i>	The name of the project.	string

### Responses

Code	Description	Links						
201	<p>Created: the project has been created.</p> <p><i>Headers</i></p> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>Location</td><td>The URI for the project details.</td><td>string</td></tr></table> <p><i>Content</i></p>	Name	Description	Schema	Location	The URI for the project details.	string	<p>analysisResults Operation getProject Parameters {   "projectId":   "\$response.id" }</p>
Name	Description	Schema						
Location	The URI for the project details.	string						

Code	Description	Links															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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reason <i>optional</i>	A description of the error.	string															

## GET /projects/{projectId} Obtain project status.

### Parameters

Type	Name	Description	Schema
path	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### Responses

Code	Description	Links															
200	OK: the requested project information.  <i>Content</i>	No Links															
401	Unauthorized: the user is not authorized to perform this operation.  <i>Headers</i> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr></table> <i>Content</i> <b>application/json</b> <i>Properties</i> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr><tr><td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr></table> <div><pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre></div>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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Name	Description	Schema															
authEndpoint <i>optional</i>	The authentication URI.	string															
reason <i>optional</i>	The reason for refusing access.	string															
404	Not Found: the requested project has not been found.	No Links															



Code	Description	Links						
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links
Name	Description	Schema						
reason <i>optional</i>	A description of the error.	string						

## ***DELETE* /projects/{projectId} Delete a project.**

### *Parameters*

Type	Name	Description	Schema
<b>path</b>	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### *Responses*

Code	Description	Links
204	No Content: the project has been successfully deleted.	No Links

Code	Description	Links															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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Name	Description	Schema															
authEndpoint <i>optional</i>	The authentication URI.	string															
reason <i>optional</i>	The reason for refusing access.	string															
404	Not Found: the requested project has not been found.	No Links															
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links									
Name	Description	Schema															
reason <i>optional</i>	A description of the error.	string															

## POST /projects/{projectId}/start Start an analysis.

### Parameters

Type	Name	Description	Schema
query	<b>tools</b> <i>optional</i>	A list of tool IDs to be run. Default: run all tools.	< integer > array
path	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### Responses

Code	Description	Links															
202	Accepted: the analysis request has been accepted.	No Links															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr></table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr><tr><td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr></table> <div><pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre></div>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
Name	Description	Schema															
WWW-Authenticate	The requested authentication type.	enum (Bearer)															
Name	Description	Schema															
authEndpoint <i>optional</i>	The authentication URI.	string															
reason <i>optional</i>	The reason for refusing access.	string															
404	Not Found: the requested project has not been found.	No Links															

Code	Description	Links						
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links
Name	Description	Schema						
reason <i>optional</i>	A description of the error.	string						

## **POST /projects/{projectId}/media/ Upload a media file to a project.**

### *Parameters*

Type	Name	Description	Schema
<b>query</b>	<b>role</b> <i>required</i>	The role of the uploaded file in the analysis.	enum (PROBE,REFERENCE)
<b>query</b>	<b>name</b> <i>optional</i>	An (optional) name for the uploaded file.	string
<b>path</b>	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### *Responses*

Code	Description	Links															
201	<p>Created: the media file has been successfully uploaded.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>Location</td><td>The URI for the media file.</td><td>string</td></tr> </table> <p><i>Content</i></p>	Name	Description	Schema	Location	The URI for the media file.	string	<p>deleteMedia Operation deleteProjectMedia Parameters { "projectId": "\$path.id" "mediaId": "\$response.id" }</p>									
Name	Description	Schema															
Location	The URI for the media file.	string															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <div> {"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."} </div>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
Name	Description	Schema															
WWW-Authenticate	The requested authentication type.	enum (Bearer)															
Name	Description	Schema															
authEndpoint <i>optional</i>	The authentication URI.	string															
reason <i>optional</i>	The reason for refusing access.	string															
404	Not Found: the requested project has not been found.	No Links															

Code	Description	Links						
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links
Name	Description	Schema						
reason <i>optional</i>	A description of the error.	string						

## ***DELETE* /projects/{projectId}/media/{mediaId} Delete a media file from a project.**

### *Parameters*

Type	Name	Description	Schema
<b>path</b>	<b>mediaId</b> <i>required</i>	The file ID as reported in the media upload receipt.	integer
<b>path</b>	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### *Responses*

Code	Description	Links
204	No Content: the media file has been successfully deleted.	No Links

Code	Description	Links															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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Name	Description	Schema															
authEndpoint <i>optional</i>	The authentication URI.	string															
reason <i>optional</i>	The reason for refusing access.	string															
404	Not Found: the requested media file has not been found.	No Links															
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links									
Name	Description	Schema															
reason <i>optional</i>	A description of the error.	string															

## *POST* /projects/{projectId}/data/ Upload a data file to a project.

### Parameters

Type	Name	Description	Schema
query	<b>dataType</b> <i>required</i>	The kind of data contained in the uploaded file.	string
query	<b>name</b> <i>optional</i>	An (optional) name for the uploaded file.	string
path	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### Responses

Code	Description	Links						
201	<p>Created: the data file has been successfully uploaded.</p> <p><i>Headers</i></p> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>Location</td><td>The URI for the media file.</td><td>string</td></tr></table> <p><i>Content</i></p>	Name	Description	Schema	Location	The URI for the media file.	string	<p>deleteMedia Operation deleteProjectData Parameters {   "projectId":   "\$path.id"   "dataId":   "\$response.id" }</p>
Name	Description	Schema						
Location	The URI for the media file.	string						



Code	Description	Links															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i> <b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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reason <i>optional</i>	The reason for refusing access.	string															
404	Not Found: the requested project has not been found.	No Links															
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i> <b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links									
Name	Description	Schema															
reason <i>optional</i>	A description of the error.	string															

## **DELETE** /projects/{projectId}/data/{dataId} **Delete a data file from a project.**

### Parameters

Type	Name	Description	Schema
path	<b>dataId</b> <i>required</i>	The file ID as reported in the data upload receipt.	integer
path	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### Responses

Code	Description	Links															
204	No Content: the media file has been successfully deleted.	No Links															
401	Unauthorized: the user is not authorized to perform this operation.  <i>Headers</i> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr></table> <i>Content</i> <b>application/json</b> <i>Properties</i> <table><tr><th>Name</th><th>Description</th><th>Schema</th></tr><tr><td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr><tr><td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr></table> <div><pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre></div>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
Name	Description	Schema															
WWW-Authenticate	The requested authentication type.	enum (Bearer)															
Name	Description	Schema															
authEndpoint <i>optional</i>	The authentication URI.	string															
reason <i>optional</i>	The reason for refusing access.	string															

Code	Description	Links						
404	Not Found: the requested media file has not been found.	No Links						
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links
Name	Description	Schema						
reason <i>optional</i>	A description of the error.	string						

## **GET /projects/{projectId}/results/{resultId} Obtain a result's data.**

### *Parameters*

Type	Name	Description	Schema
<b>path</b>	<b>resultId</b> <i>required</i>	The result ID.	integer
<b>path</b>	<b>projectId</b> <i>required</i>	The project ID as reported in the project creation receipt.	integer

### *Responses*

Code	Description	Links															
200	<p>OK: the chosen result has been found.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>ETag</td><td>An hash of the specific version of this result.</td><td>string</td></tr> <tr> <td>Last-Modified</td><td>The last modification timestamp for this result.</td><td>string</td></tr> </table> <p><i>Content</i></p>	Name	Description	Schema	ETag	An hash of the specific version of this result.	string	Last-Modified	The last modification timestamp for this result.	string	No Links						
Name	Description	Schema															
ETag	An hash of the specific version of this result.	string															
Last-Modified	The last modification timestamp for this result.	string															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre> {"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."} </pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
Name	Description	Schema															
WWW-Authenticate	The requested authentication type.	enum (Bearer)															
Name	Description	Schema															
authEndpoint <i>optional</i>	The authentication URI.	string															
reason <i>optional</i>	The reason for refusing access.	string															
404	<p>Not Found: the requested media file has not been found.</p>	No Links															

Code	Description	Links						
500	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <div> {"reason":"Backend is not responding."} </div>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links
Name	Description	Schema						
reason <i>optional</i>	A description of the error.	string						

## GET /tools/ List of available tools.

### Responses

Code	Description	Links
200	<p>OK: the tools list has been generated.</p> <p><i>Content</i></p>	No Links

Code	Description	Links															
401	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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Name	Description	Schema															
reason <i>optional</i>	A description of the error.	string															

# Components

## Schemas

### Authentication

#### Properties

Name	Description	Schema
username <i>required</i>	The user's name.	string
password <i>required</i>	The user's password.	string (password)

### AuthenticationRefresh

#### Properties

Name	Description	Schema
refresh <i>required</i>	The refresh token.	string

### ProjectStatus

The status of a project analysis.

#### Properties

Name	Description	Schema
id <i>optional</i>	A unique identifier for the project analysis request.	integer
location <i>optional</i>	The URI for the project details.	string
status <i>optional</i>	The status of the project. DRAFT = The project is in draft mode, media files can be added/removed and no processing is being performed. PENDING = The request is still being processed, no result is available. PARTIAL = The request is still being processed, some results are available. COMPLETED = The request has been processed and the results are available. ERROR = An error occurred during the analysis.	enum (DRAFT,PENDING,PARTIAL,COMPLETED,ERROR)
name <i>optional</i>	The project name.	string

## ProjectReceipt

The project creation receipt

### Properties

Name	Description	Schema
id <i>optional</i>	A unique identifier for the project.	integer
location <i>optional</i>	The URI for the project details.	string
name <i>optional</i>	The project name.	string

## ProjectDetails

Details regarding a project.

### Properties

Name	Description	Schema
id <i>optional</i>	A unique identifier for the project.	integer
status <i>optional</i>	The status of the project. DRAFT = The project is in draft mode, media files can be added/removed and no processing is being performed. PENDING = The request is still being processed, no result is available. PARTIAL = The request is still being processed, some results are available. COMPLETED = The request has been processed and the results are available. ERROR = An error occurred during the analysis.	enum (DRAFT,PENDING,PARTIAL,COMPLETED,ERROR)
name <i>optional</i>	The project name.	string
probes <i>optional</i>	A set of media files to be analysed.	< <a href="#">UploadedMediaFile</a> > array
references <i>optional</i>	A set of media files to use as references.	< <a href="#">UploadedMediaFile</a> > array
additionalData <i>optional</i>	A set of additional contents useful to the available toolset.	< <a href="#">UploadedDataFile</a> > array



Name	Description	Schema
results <i>optional</i>	The set of tool results.	< <a href="#">ResultSummary</a> > array

## MediaReceipt

The media upload receipt

*Properties*

Name	Description	Schema
id <i>optional</i>	A unique identifier for the media file.	integer
location <i>optional</i>	The URI for the media file.	string
fileName <i>optional</i>	The media file name.	string

## DataReceipt

The data upload receipt

*Properties*

Name	Description	Schema
id <i>optional</i>	A unique identifier for the data file.	integer
location <i>optional</i>	The URI for the data file.	string
fileName <i>optional</i>	The media file name.	string

## UploadedFile

Generic uploaded file.

*Properties*

Name	Description	Schema
id <i>optional</i>	A unique identifier for the file.	integer

Name	Description	Schema
fileName <i>optional</i>	The name of the original file.	string
hash <i>optional</i>	The hash of the file contents.	string

## UploadedMediaFile

Uploaded media file.

## UploadedDataFile

Uploaded data file.

## ResultSummary

Summary of a result.

*Properties*

Name	Description	Schema
id <i>optional</i>	A unique identifier for the current result.	integer
location <i>optional</i>	The URI for the result details.	string
probes <i>optional</i>	IDs of probes that have been used to provide the result.	< integer > array
toolId <i>optional</i>	A unique identifier for the used tool.	integer
name <i>optional</i>	A description of this result (e.g. "Gray map", "Color map", ...).	string
resultType <i>optional</i>	Type of result produced by the used tool.	enum (SINGLE,MULTI)

## ResultDetails

Details of a given result.

## ToolDetail

Details regarding one tool.

*Properties*

Name	Description	Schema
id <i>optional</i>	A unique identifier for the tool.	integer
name <i>optional</i>	The common name used for the tool.	string
description <i>optional</i>	The description of the tool characteristics and functioning.	string
supportedData Types <i>optional</i>	A list of data types on which the tool can operate.	< string > array
supportedData Formats <i>optional</i>	A list of data formats on which the tool can operate.	< string > array
references <i>optional</i>	A list of bibliographical references to papers describing the tool.	< string > array

## Responses

### Responses

Code	Description	Links						
UnexpectedError	<p>Internal Server Error: the server has encountered an unexpected error.</p> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>reason <i>optional</i></td><td>A description of the error.</td><td>string</td></tr> </table> <pre>{"reason":"Backend is not responding."}</pre>	Name	Description	Schema	reason <i>optional</i>	A description of the error.	string	No Links
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Code	Description	Links															
Unauthorized	<p>Unauthorized: the user is not authorized to perform this operation.</p> <p><i>Headers</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>WWW-Authenticate</td><td>The requested authentication type.</td><td>enum (Bearer)</td></tr> </table> <p><i>Content</i></p> <p><b>application/json</b></p> <p><i>Properties</i></p> <table> <tr> <th>Name</th><th>Description</th><th>Schema</th></tr> <tr> <td>authEndpoint <i>optional</i></td><td>The authentication URI.</td><td>string</td></tr> <tr> <td>reason <i>optional</i></td><td>The reason for refusing access.</td><td>string</td></tr> </table> <div> <pre>{"authEndpoint":"https://lesc.dinfo.unifi.it/gandalf/api/v1/login","reason":"No token has been sent."}</pre> </div>	Name	Description	Schema	WWW-Authenticate	The requested authentication type.	enum (Bearer)	Name	Description	Schema	authEndpoint <i>optional</i>	The authentication URI.	string	reason <i>optional</i>	The reason for refusing access.	string	No Links
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