

# User Guide - Interactive API documentation

 The Interactive API is **not supported** when **SAML authentication** is enabled for CAST Imaging.

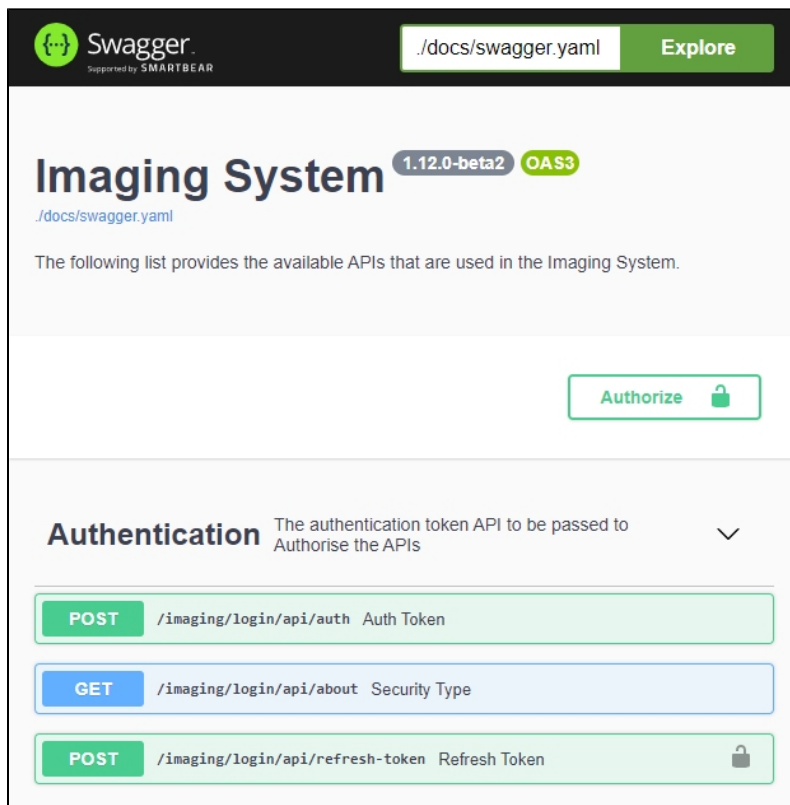
- [Introduction](#)
- [Authorization](#)
- [Using the API interactively](#)

## Introduction

CAST Imaging has API documentation provided by Swagger. This documentation is interactive and you can test requests directly. The API documentation is accessible via the URL:

```
http://<server>:<port>/docs
```

*Click to enlarge*



The screenshot shows the Swagger UI for the 'Imaging System' API. At the top, there is a Swagger logo and a search bar containing '/docs/swagger.yaml' with an 'Explore' button. The main heading is 'Imaging System' with version '1.12.0-beta2' and 'OAS3' tags. Below the heading, it says 'The following list provides the available APIs that are used in the Imaging System.' There is an 'Authorize' button with a lock icon. Under the 'Authentication' section, there are three API endpoints listed:

Method	Endpoint	Description	Auth
POST	/imaging/login/api/auth	Auth Token	
GET	/imaging/login/api/about	Security Type	
POST	/imaging/login/api/refresh-token	Refresh Token	🔒

## Authorization

 Authorization is required in CAST Imaging **1.12**.

Before you can interactively use the graphical API, you must be authorized:

# Imaging System

1.12.0-beta2

OAS3

</docs/swagger.yaml>

The following list provides the available APIs that are used in the Imaging System.

Authorize



Authorization requires a user **API key**, which you can generate using the API. Use the `/imaging/login/api/auth` option:

## Authentication

The authentication token API to be passed to Authorise the APIs

POST

`/imaging/login/api/auth` Auth Token

GET

`/imaging/login/api/about` Security Type

POST

`/imaging/login/api/refresh-token` Refresh Token



Expand it by **clicking it**, and then choose **Try it out**:

*Click to enlarge*

## Authentication

The authentication token API to be passed to Authorise the APIs

POST

`/imaging/login/api/auth` Auth Token

API to authenticate users

Parameters

Try it out

No parameters

Request body *required*

application/json

Modify the credentials to match your own:

Click to enlarge

## Authentication

The authentication token API to be passed to Authorise the APIs

**POST** /`imaging/login/api/auth` Auth Token

API to authenticate users

**Parameters** Cancel

No parameters

**Request body** required application/json

Edit Value | Schema

```
{  
  "username": "my_login",  
  "password": "my_password"  
}
```

Then click **Execute** to run the API:

## Authentication The authentication token API to be passed to Authorise the APIs

**POST** /imaging/login/api/auth Auth Token

API to authenticate users

**Parameters** Cancel

No parameters

**Request body** required application/json

Edit Value | Schema

```
{
  "username": "my_login",
  "password": "my_password"
}
```

Cancel Reset

Execute Clear

Scroll down to check the Reponse Headers and find the **authentication: bearer** item - this value is your API key:

Execute
Clear

**Responses**

Curl

```
curl -X POST "http://jnk-imag-deploy/imaging/login/api/auth" -H "accept: application/json;charset=UTF-8" -H "Content-Type: application/json" -d "{\"username\":\"admin\",\"password\":\"admin\"}"
```

Request URL

```
http://jnk-imag-deploy/imaging/login/api/auth
```

Server response

Code	Details
200	<p>Response body</p> <pre style="background-color: #2d3748; color: #e2e8f0; padding: 10px; border-radius: 4px;">{   "password": "",   "username": "admin",   "authorities": [],   "accountNonExpired": true,   "accountNonLocked": true,   "credentialsNonExpired": true,   "enabled": true }</pre> <p style="text-align: right;"><a href="#" style="background-color: #6c757d; color: white; padding: 2px 5px; border-radius: 4px;">Download</a></p> <p>Response headers</p> <pre style="background-color: #2d3748; color: #e2e8f0; padding: 10px; border-radius: 4px;">authentication: Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJhZG1pb1IsImF1dG8iOiJmF1dGhvcml0aWVzIjpbXSwiaWF0IjoxNTg2ODU4Njc3LCJleHAiOjE1ODY4NzY2Nzd9.Ht9DaAp0MD03Nyhuz1gm3415ZmMa-HJb50F0wrR4g4Ui0eulWkMshmvrmuovMm7oa4waomb9EF7sa8J5Q0_fg cache-control: no-cache, no-store, max-age=0, must-revalidate connection: keep-alive content-encoding: gzip content-type: application/json;charset=UTF-8 date: Tue, 14 Apr 2020 10:04:37 GMT expires: 0 pragma: no-cache</pre>

Enter the API key using the **Authenticate** option:

### Available authorizations ✕

---

**APIKey (apiKey)**

Name: Authentication

In: header

Value:

eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJhZG1pb1IsImF1dG8iOiJmF1dGhvcml0aWVzIjpbXSwiaWF0IjoxNTg2ODU4Njc3LCJleHAiOjE1ODY4NzY2Nzd9.Ht9DaAp0MD03Nyhuz1gm3415ZmMa-HJb50F0wrR4g4Ui0eulWkMshmvrmuovMm7oa4waomb9EF7sa8J5Q0\_fg

Authorize
Close

In CAST Imaging 2.5, you can generate an API key using the UI - see [Admin Center - API key generation and usage](#).

## Using the API interactively

Show the request type you want to test:

**Authentication** The authentication token API to be passed to Authorise the APIs >

**Users** The user management APIs. ▾

- POST** /imaging/api/admin Create Admin 🔒
- POST** /imaging/api/users Create Users 🔒
- GET** /imaging/api/users Get List 🔒
- DELETE** /imaging/api/users Delete Users 🔒

Expand the specific request using the buttons on the left:

**Authentication** The authentication token API to be passed to Authorise the APIs >

**Users** The user management APIs. ▾

- POST** /imaging/api/admin Create Admin 🔒
- POST** /imaging/api/users Create Users 🔒
- GET** /imaging/api/users Get List 🔒
- DELETE** /imaging/api/users Delete Users 🔒

Then click **Try it out**:

**Users** The user management APIs. ▾

**POST** /imaging/api/admin Create Admin 🔒

Creates an admin user in Imaging

**Parameters**

Try it out