

## addDocument :

POST

/addDocument

### Parameter

Field	Type	Description
title	String	Title of the document.
subject	String	Subject of the document.
description	String	Description of the document.
refDate	String	Reference date of the document.
publicationDate	String	Publication date of the document.
type	String	Type of the document.
link	File	File to upload to the server.
quaternionX	Double	X axis of the rotation of the document.
quaternionY	Double	Y axis of the rotation of the document.
quaternionZ	Double	Z axis of the rotation of the document.
quaternionW	Double	W axis of the rotation of the document.
positionX	Double	X axis of the coordinates of the document.
positionY	Double	Y axis of the coordinates of the document.
positionZ	Double	Z axis of the coordinates of the document.

### Success 200

Type	Description
Integer	Id of the added document

### Error 4xx

Code	Description
400 Bad Request	At least one of the required parameter is missing.

## editDocument – Edit information of a document

POST

/editDocument/{id of the document}

### Parameter

Field	Type	Description
idDocument	Integer	Id of the document to edit.
title	String	Title of the document.
subject	String	Subject of the document.
description	String	Description of the document.
refDate	String	Reference date of the document.
publicationDate	String	Publication date of the document.
type	String	Type of the document.
quaternionX	Double	X axis of the rotation of the document.
quaternionY	Double	Y axis of the rotation of the document.
quaternionZ	Double	Z axis of the rotation of the document.
quaternionW	Double	W axis of the rotation of the document.
positionX	Double	X axis of the coordinates of the document.
positionY	Double	Y axis of the coordinates of the document.

positionZ	Double	Z axis of the coordinates of the document.
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#### Error 4xx

Code	Description
400 Bad Request	At least one of the required parameter is missing.
404 Not Found	The requested document doesn't exists.

## deleteDocument – Delete a document

POST

/deleteDocument/{id of the document}

#### Parameter

Field	Type	Description
idDocument	Integer	Id of the document to delete

#### Error 4xx

Code	Description
400 Bad Request	At least one of the required parameter is missing.
404 Not Found	The requested document doesn't exists.

## getDocument – Get information of a document

GET

/getDocument/{id of the document}

#### Parameter

Field	Type	Description
idDocument	Integer	Id of the document requested.

#### Success 200

Type	Description
String	json string that contains information about the document.

Response (example):

```
{
  "idDocument": 40,
  "metadata": {
    "id": 40,
    "title": "Titre du document",
    "subject": "Sujet du document",
    "description": "Description du document",
    "refDate": "2018-05-18",
    "publicationDate": "2018-05-5",
    "type": "pdf",
    "link": "54d9d8f5d06ee6533f2591a6adf6c5e3.pdf",
    "originalName": "fichier.pdf"
  },
  "visualization": {
    "id": 36,
    "quaternionX": 1.2,
    "quaternionY": null,
    "quaternionZ": null,
    "quaternionW": null,
    "positionX": 2.5,
    "positionY": 2.3,
    "positionZ": null
  }
}
```

#### Error 4xx

Code	Description
400 Bad Request	At least one of the required parameter is missing.
404 Not Found	The requested document doesn't exists.

## getDocuments – Get information of all documents filtered by the parameters provided

GET

/getDocuments

#### Parameters

dateType (optional)	String	Specify the type of date used to filter the documents. ('refDate' or 'publicationDate' for example.
refDate1 (optional)	Date	Lower reference date formatted as 'YYYY-MM-DD'.
refDate2 (optional)	Date	Upper reference date formatted as 'YYYY-MM-DD'.
publicationDate1 (optional)	Date	Lower publication date formatted as 'YYYY-MM-DD'.
publicationDate2 (optional)	Date	Upper publication date formatted as 'YYYY-MM-DD'.
documentType (optional)	String	Specify the type of documents we want.
subject (optional)	String	Specify the subject of the documents we want.
keyword (optional)	String	Keyword that will be used to filter the documents.
Limit (optional)	Integer	Specify the number of documents that will be returned.

## Success 200

Type	Description
String	json string that contains information about all documents. If two date are provided, return the documents between them. If only one is provided, return the document with the same date as the one provided. If a date is provided, results are ordered by date.

Response (example):

```
[
  {
    "idDocument": 47,
    "metadata": {
      "id": 47,
      "title": "Document 1",
      "subject": "",
      "description": "",
      "refDate": "2018-05-18",
      "publicationDate": "2018-05-5",
      "type": "pdf",
      "link": "6f629ec80da1b0077b134626c8a9c415.pdf",
      "originalName": "document1.pdf"
    },
    "visualization": {
      "id": 43,
      "quaternionX": 1.2,
      "quaternionY": null,
      "quaternionZ": null,
      "quaternionW": null,
      "positionX": null,
      "positionY": 2.3,
      "positionZ": null
    }
  },
  {
    "idDocument": 48,
    "metadata": {
      "id": 48,
      "title": "Document 2",
      "subject": "",
      "description": "",
      "refDate": "2018-05-18",
      "publicationDate": "2018-05-5",
      "type": "pdf",
      "link": "7aea2b98f628c72f50661d672b05b987.pdf",
      "originalName": "document2.pdf"
    },
    "visualization": {
      "id": 44,
      "quaternionX": 1.2,
      "quaternionY": null,
      "quaternionZ": null,
      "quaternionW": null,
      "positionX": null,
      "positionY": 2.3,
      "positionZ": null
    }
  }
]
```

## getDocumentsByRadius – Get information of documents by providing a radius

GET

/getDocumentsByRadius/{x}/{y}/{radius}/{limit}

### Parameter

Field	Type	Description
x	Double	Centre's x coordinate.
y	Double	Centre's y coordinate.
radius	Double	Radius of the circle containing the documents that will be returned.
limit (Optional)	Integer	Can be set to specify the amount of documents we want to be returned.

### Success 200

Type	Description
String	json string that contains information about the documents. The documents are sorted from the nearest to the farthest from the specified point.