

# File upload

- File upload follows three steps.
- Only one file can be uploaded at a time, if in case of multiple files, each file has to be uploaded (Step 1 and Step 2) and then added to the files array before attaching it to the request body (Step 3).
- Every step below has a request and response example of the localhost with a dummy authorization token, replace the token with your own and change the domain to localhost, alpha or production as required.

## 1 .Get signed url

Make a **POST** request to `/api/document/presigned` with only the name of the file in the raw JSON request body to get **aws signed url**.

**\*\*the signed url can be found in the `url` field of the response.**

### Example:

#### Request:

```
curl --location --request POST 'http://0.0.0.0:9000/api/document/presigned' \
--header 'Content-Type: application/json' \
--header 'Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...' \
--data-raw '{
  "fileName": "Name-of-the-file.png"
}'
```

#### Response:

```
{
  "status": "active",
  "organizations": [
    "5f64aac4c7c793114b8e668c"
  ],
  "newBucket": true,
  "_id": "5f6af7441576320729c5ba4c",
  "success": true,
  "message": "Pre-signed urls generated successfully.",
  "url":
    "https://thm-rentals.s3.ap-southeast-1.amazonaws.com/upload/TEST434/562f0a55-22ce-4200-
    b899-2ddcfeec8f5d_Name-of-the-file.png?Content-Type=image%2Fpng&X-Amz-Algorithm=AWS4-
```

```

HMAC-SHA256&X-Amz-Credential=AKIAITJHDZ35H7K44GWQ%2F20200923%2Fap-southeast-1%2Fs3%2Faws4_request&X-Amz-Date=20200923T072036Z&X-Amz-Expires=3600&X-Amz-Signature=acd08a83dc47f03039735791fc4e550efe13f6f27f3be57d1977746cad8eb43e&X-Amz-SignedHeaders=host",
  "fileFormat": "image/png",
  "fileName": "Name-of-the-file.png",
  "objectKey":
"upload/TEST434/562f0a55-22ce-4200-b899-2ddcfeec8f5d_Name-of-the-file.png",
  "createdBy": "5f6975ac107e7626359a6abf",
  "updatedBy": "5f6975ac107e7626359a6abf",
  "uploadedBy": "5f6975ac107e7626359a6abf",
  "uid": 1,
  "createdAt": "2020-09-23T07:20:36.580Z",
  "updatedAt": "2020-09-23T07:20:36.580Z",
  "__v": 0
}

```

## 2 .Upload file to aws

Make a **PUT** request to the **url** obtained in Step 1 with the file as request body.

**\*\*send the complete binary file obtained from `<input type="file" id="uploadfile"...>`.**  
eg. **body:** `$("#uploadFile")[0].files[0]`

### Example:

#### Request:

```

curl --location --request PUT '' \
--data-binary '@/home/badri/Pictures/Name-of-the-file.png'

```

#### Response:

The response body will be empty, a response status of **200 OK** means the request has been successful.

## 3. Send *files* in request body

Once Step 2 is successful add the response object obtained from Step 1 to an array and send that array as **files** in the request body when calling THM internal APIs.

**\*\*below is a create visitor log example where a file is being attached.**

\*\*\*you can update *status*, *fileName*, *description* and *tag* fields by changing respective fields in the *file* object.

## Example:

### Request:

```
curl --location --request POST 'http://localhost:9000/api/visitor-log' \
--header 'Authorization: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9... ' \
--header 'Content-Type: application/json' \
--data-raw '{
  "type": "guest",
  "status": "pending-approval",
  "address": "B-302, DS Max",
  "home": "5f6978c706058f29abb6557c",
  "createdBy": "5dea15f4226b1916561bf942",
  "visitDate": "2020-09-21T14:58:55.837+05:30",
  "name": "test",
  "phoneNumber": "123",
  "files": [
    {
      "status": "active",
      "organizations": [
        "5f64aac4c7c793114b8e668c"
      ],
      "newBucket": true,
      "_id": "5f6af7441576320729c5ba4c",
      "success": true,
      "message": "Pre-signed urls generated successfully.",
      "url":
"https://thm-rentals.s3.ap-southeast-1.amazonaws.com/upload/TEST434/562f0a55-22ce-4200-b899-2ddcfeec8f5d_Name-of-the-file.png?Content-Type=image%2Fpng&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAITJHDZ35H7K44GWQ%2F20200923%2Fap-southeast-1%2Fs3%2Faws4_request&X-Amz-Date=20200923T072036Z&X-Amz-Expires=3600&X-Amz-Signature=acd08a83dc47f03039735791fc4e550efel3f6f27f3be57d1977746cad8eb43e&X-Amz-SignedHeaders=host",
      "fileFormat": "image/png",
      "fileName": "Name-of-the-file.png",
      "objectKey":
"upload/TEST434/562f0a55-22ce-4200-b899-2ddcfeec8f5d_Name-of-the-file.png",
      "createdBy": "5f6975ac107e7626359a6abf",
      "updatedBy": "5f6975ac107e7626359a6abf",
      "uploadedBy": "5f6975ac107e7626359a6abf",
      "uid": 1,
      "createdAt": "2020-09-23T07:20:36.580Z",
    }
  ]
}
```

```
        "updatedAt": "2020-09-23T07:20:36.580Z",
        "__v": 0
      }
    ]
  }
}
```

### Response:

```
{
  "_id": "5f6afa28c6f3ae0afb5efe62",
  "createdAt": "2020-09-23T07:32:56.503Z",
  "updatedAt": "2020-09-23T07:32:56.503Z",
  "updatedBy": "5f64aac4c7c793114b8e668e",
  "createdBy": "5f64aac4c7c793114b8e668e",
  "visitor": "5f69a20dcfed4f58a282d651",
  "visitDate": "2020-09-21T09:28:55.837Z",
  "additionalMember": 0,
  "home": [
    "5f6978c706058f29abb6557c"
  ],
  "project": "5f64babba5be3d1c9145406f",
  "address": "B-302, DS Max",
  "uid": 2,
  "accessCode": 0,
  "accessCodeValid": true,
  "temperature": {
    "unit": "celsius"
  },
  "mask": false,
  "status": "pending-approval",
  "organizations": [
    "5f64aac4c7c793114b8e668c"
  ],
  "files": [
    "5f6af7441576320729c5ba4c"
  ],
  "type": "guest",
  "materials": [],
  "parcels": []
}
```