

IMF Asset Registration API 0.1 OAS3

Servers

/

Asset Registration API



GET **/assets** Get list of assets

Parameters

Try it out

Name	Description
skip	Number of records to skip before returning list.
integer (query)	Default value : 0
limit	Maxiumum number of records to return.
integer (query)	Default value : 20

Responses

Code	Description	Links
------	-------------	-------

200

*Get List of assets**No
links***application/json**

Controls Accept header.

Example Value **Model**

```
assetListSchema {
  skip          integer
  limit         integer
  total         integer
  results       [
    {
      xml: OrderedMap { "name": "results",
                        "wrapped": true }
      assetInfoSchema {
        identifiers* identifiersSchema
                        [...]
        file_size   integer
        file_type   string
                    Use Wailua file types
                    here (eg. asdcp-jp2k-
                    j2c, asdcp-jp2k-j2c).

        locations*  locationsSchema
                    [
                      xml: OrderedMap {
                        "wrapped": true,
                        "name": "locations" }
                      string
                      xml: OrderedMap {
                        "name": "location" }
                      xml:
                        name: location]
      }
    }
  ]
}
```

POST /assets Create Asset Reference

Create a mapping between one or more asset identifiers, and one or more locations. At least one

identifier provided must a digest type.

Parameters

Try it out

Name	Description
If-None-Match	Used for conditional creation of initial asset entry.
string (header)	Available values : *

Request body required

application/json

Register asset request body

Example Value Model

```
{
  "identifiers": [
    "urn:uuid:08db5408-2177-0580-dc08-06bfc80c2073",
    "urn:sha1:0R5e2nhq3NjcIeaUqnDwc3t6XRo="
  ],
  "locations": [
    "E:\\x-media\\IMF\\imf-plugfest-wip\\disney-source\\IO_Plugfest_ENG_mxf_v0.mxf",
    "/mnt/near_line/vol6/IO_Plugfest_ENG_mxf_v0.mxf",
    "https://s3-us-west-2.amazonaws.com/region-test-us-west-2/imf-plugfest-wip/IO_-Plugfest_ENG_mxf_v0.mxf"
  ],
  "file_size": 456345,
  "file_type": "cpl",
  "$$ref": "#/components/examples/assetInfoJSONExample/value"
}
```

Responses

Code	Description	Links
------	-------------	-------

201

Asset registration created. If submitted identifier already exist the system locations are added to the existing registration entry (duplicates are removed).

No links

application/json

Controls Accept header.

Example Value Model

```
{
  "message": "Resource created: '/assets/urn:sha1:0R5e2nhq3Njc-IeaUqnDwc3t6XRo='.",
  "status": 201,
  "status_label": "Created"
}
```

Headers:

Name	Description	Type
Location	URL for the newly created asset.	string

400

Bad request.

No links

application/json

Example Value Model

```
{
  "message": "Bad Request",
  "status": 400,
  "status_label": "Bad Request"
}
```

GET

/assets/{id}

Get asset registration info.

Parameters

Try it out

Name	Description
------	-------------

id * required

string

(path)

Asset ID.

Responses

Code	Description	Links
200	<i>Get asset info.</i>	No links

application/json

Controls Accept header.

Example Value Model

```
{
  "identifiers": [
    "urn:uuid:08db5408-2177-0580-dc08-06bfc80c2073",
    "urn:sha1:0R5e2nhq3NjcIeaUqnDwc3t6XRo="
  ],
  "locations": [
    "E:\\x-media\\IMF\\imf-plugfest-wip\\disney-source\\IO_Plugfest_ENG_mxf_v0.mxf",
    "/mnt/near_line/vol6/IO_Plugfest_ENG_mxf_v0.mxf",
    "https://s3-us-west-2.amazonaws.com/region-test-us-west-2/imf-plugfest-wip/IO_Plugfest_ENG_mxf_v0.mxf"
  ],
  "file_size": 456345,
  "file_type": "cpl",
  "$$ref": "#/components/examples/assetInfoJSONExample/value"
}
```

Headers:

Name	Description	Type
ETag	Entity Tag	string

404	No
-----	----

Asset ID not found

links

PUT **/assets/{id}** Replace asset registration info.

Parameters

Try it out

Name	Description
If-Match	Used for conditional update of initial asset entry. Value should be set to ETag header value of get request.
string (header)	
id * required	Asset ID.
string (path)	

Request body **required**

application/json

Register asset request body

Example Value Model

```
{
  "identifiers": [
    "urn:uuid:08db5408-2177-0580-dc08-06bfc80c2073",
    "urn:sha1:0R5e2nhq3NjcIeaUqnDwc3t6XRo="
  ],
  "locations": [
    "E:\\x-media\\IMF\\imf-plugfest-wip\\disney-source\\IO_Plugfest_ENG_mxf_v0.mxf",
    "/mnt/near_line/vol6/IO_Plugfest_ENG_mxf_v0.mxf",
    "https://s3-us-west-2.amazonaws.com/region-test-us-west-2/imf-plugfest-wip/IO_Plugfest_ENG_mxf_v0.mxf"
  ],
  "file_size": 456345,
  "file_type": "cpl",
  "$$ref": "#/components/examples/assetInfoJSONExample/value"
}
```

Responses

Code	Description	Links
204	<i>No Content (asset replaced).</i>	<i>No links</i>
404	<i>Asset ID not found</i>	<i>No links</i>
412	<i>Precondition failed. ETag did not match for update.</i>	<i>No links</i>

DELETE **/assets/{id}** Remove an asset registration info.

Parameters

Try it out

Name	Description
id * required string (path)	Asset ID.

Responses

Code	Description	Links
204		<i>No links</i>

No Content (Asset registration removed).

404

Asset registration not found

No links

Locations

▼

POST

/assets/{id}/locations

Add one or more locations to an existing registration entry

Parameters

Try it out

Name	Description
<div><div>id</div><div>★ required</div></div>	
string	Asset ID.
(path)	

Request body

required

application/json

Locations

Example Value

Model

```
{
  "locations": [
    "string"
  ]
}
```

Responses

Code	Description	Links
------	-------------	-------

201	<i>Location added</i>	<i>No links</i>
Headers:		
Name	Description	Type
Location	URL for the updated asset.	string
404	<i>Asset ID not found</i>	<i>No links</i>

PUT **/assets/{id}/locations** Replace locations for an existing registration entry

Parameters

Try it out

Name	Description
id * required	
string	Asset ID.
(path)	

Request body **required**

application/json

Locations

Example Value Model

```
{
  "locations": [
    "string"
  ]
}
```

Responses

Code	Description	Links
204	<i>No Content (locations updated)</i>	<i>No links</i>
Headers:		
Name	Description	Type
Location	URL for the newly updated asset.	string
404	<i>Asset ID not found</i>	<i>No links</i>

GET **/assets/{id}/locations** Get asset locations

Parameters

[Try it out](#)

Name	Description
id * required	Asset ID.
string (path)	

Responses

Code	Description	Links
200	<i>Get asset locations</i>	<i>No links</i>

404	<i>Asset ID not found</i>	<i>No links</i>
-----	---------------------------	-----------------

DELETE

/assets/{id}/locations/{location}

Delete location from an existing registration entry.

Parameters

Try it out

Name	Description
id * required	
string	Asset ID.
(path)	
location * required	
string	A url encoded location value
(path)	

Responses

Code	Description	Links
204	<i>Location removed</i>	<i>No links</i>
404	<i>Asset ID not found</i>	<i>No links</i>

Identifiers

▼

POST

/assets/{id}/identifiers

Add one or more identifiers to an existing registration entry

This results in the union of the existing identifiers and the submitted identifiers

Parameters

Try it out

Name	Description
id * required string (path)	Asset ID.

Request body required

application/json

Identifiers

Example Value Model

```
{
  "identifiers": [
    "string"
  ]
}
```

Responses

Code	Description	Links			
201	Identifier added	No links			
Headers:					
	<table><tr><th>Name</th><th>Description</th><th>Type</th></tr></table>	Name	Description	Type	
Name	Description	Type			

	Location	URL for the updated asset.	string
404	Asset ID not found		No links

PUT

/assets/{id}/identifiers

Replace existing set of identifiers for an existing registration entry

Parameters

Try it out

Name	Description
<div>id * required</div> <div>string</div> <div>(path)</div>	Asset ID.

Request body required

application/json

Identifiers

Example Value

Model

```
{
  "identifiers": [
    "string"
  ]
}
```

Responses

Code	Description	Links
------	-------------	-------

204

No Content (Identifiers successfully replaced)

No links

404

Asset ID not found

No links

GET

/assets/{id}/identifiers Get asset identifiers

Parameters

Try it out

Name

Description

id * required

Asset ID.

string
(path)

Responses

Code

Description

Links

200

Get asset locations

No links

404

Asset ID not found

No links

DELETE

/assets/{id}/identifiers/{id}

Delete identifier from an existing registration entry.

Parameters

Try it out

Name	Description	
id * required	Asset ID.	
string		
(path)		
Responses		
Code	Description	Links
204	<i>Identifier removed</i>	No links
400	<i>Bad Request. Cannot delete the last identifier. (use DELETE /assets/{id} to delete the entire record)</i>	No links
<div>application/json</div> <div>Example Value Model</div> <div><pre>{ "message": "string", "status": 0, "status_label": "string"}</pre></div>		
404	<i>Asset ID not found</i>	No links

Schemas	▼

assetIdSchema **string**

*pattern: ^(urn:uuid/urn:sha1/urn:c4/urn:x-).**

Digest value to uniquely identify asset. Digest string values shall be prefixed (see pattern) to discriminate between possible equivalent alternatives.



locationsSchema **[**

xml: OrderedMap { "wrapped": true, "name": "locations" }

string

xml: OrderedMap { "name": "location" }

xml:

name: location]



identifiersSchema **[**

xml: OrderedMap { "wrapped": true, "name": "identifiers" }

Asset identifiers.

string

xml: OrderedMap { "name": "identifer" }

xml:

name: identifer]





```
assetListSchema {
  skip          integer
  limit         integer
  total         integer
  results       [
    xml: OrderedMap { "name": "results", "wrapped": true }
    assetInfoSchema {
      identifiers* identifiersSchema [
        xml: OrderedMap { "wrapped": true,
          "name": "identifiers" }
        Asset identifiers.

        string
        xml: OrderedMap { "name":
          "identifer" }
        xml:
          name: identifer]
      file_size integer
      file_type  string
        Use Wailua file types here (eg.
        asdcp-jp2k-j2c, asdcp-jp2k-j2c).

      locations* locationsSchema [
        xml: OrderedMap { "wrapped": true,
          "name": "locations" }
        string
        xml: OrderedMap { "name":
          "location" }
        xml:
          name: location]
    ]
  }
}
```

←

```
assetInfoSchema {
  identifiers* identifiersSchema [
    xml: OrderedMap { "wrapped": true, "name": "identifiers" }
    Asset identifiers.

    string
    xml: OrderedMap { "name": "identifer" }
    xml:
      name: identifer]

  file_size integer
  file_type string
  Use Wailua file types here (eg. asdcp-jp2k-j2c, asdcp-
  jp2k-j2c).

  locations* locationsSchema [
    xml: OrderedMap { "wrapped": true, "name": "locations" }
    string
    xml: OrderedMap { "name": "location" }
    xml:
      name: location]
}
```

←

```
responseMessage {
  message string
  status integer
  HTTP status code.

  status_label string
}
```

←

```
locationsRequestBodySchema {
  locations locationsSchema [
    xml: OrderedMap { "wrapped": true, "name": "locations" }
    string
    xml: OrderedMap { "name": "location" }
    xml:
      name: location]
}
```



```
identifiersRequestBodySchema {  
    identifiers identifiersSchema [  
        xml: OrderedMap { "wrapped": true, "name": "identifiers" }  
        Asset identifiers.  
  
        string  
        xml: OrderedMap { "name": "identifer" }  
        xml:  
            name: identifer]  
    }  
}
```