

Subject Resource API

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Related

- [How To Download Files via the XNAT REST API](#)

Get A Listing Of Resource Folders Stored With A Subject

```
GET - /data/projects/{project-id}/subjects/{subject-id | subject-label}/resources
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
format	Optional querystring parameter. Specify the format of the returned response. <ul style="list-style-type: none">• json (default)• html• xml• csv
sortBy	Optional querystring parameter: Sort the returned results by one or more parameters in the Result array. Multiple parameters can be provided, separated by commas.

Response

This call returns an array of resource descriptors, where the key values are "xnat_abstractresource_id" and "label", which can be used as a path parameter.

```
{
  "ResultSet": {
    "Result": [
      {
        "file_count": "integer",
        "xnat_abstractresource_id": "integer {resource-id}",
        "cat_desc": "string",
        "cat_id": "",
        "format": "string",
        "label": "string {resource-label}",
        "category": "resources",
        "element_name": "xnat:resourceCatalog",
        "file_size": "integer (bytes)",
        "content": "",
        "tags": ""
      }
    ],
    "totalRecords": "integer",
    "title": "Resources"
  }
}
```

Get A Listing Of Resource Files Stored With A Subject

```
GET - /data/projects/{project-id}/subjects/{subject-id | subject-label}/files
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
format	Optional querystring parameter. Specify the format of the returned response. <ul style="list-style-type: none">• json (default)• html• xml• csv
sortBy	Optional querystring parameter: Sort the returned results by one or more parameters in the Result array. Multiple parameters can be provided, separated by commas.

Response

```
{
  "ResultSet": {
    "Columns": [
      {
        "key": "URI",
        "serverRoot": ""
      }
    ],
    "Result": [
      {
        "file_content": "",
        "Size": "integer",
        "file_tags": "",
        "cat_ID": "integer {resource-id}",
        "digest": "hash",
        "collection": "string {resource-label}",
        "URI": "/data/projects/{project-id}/subjects/{subject-id}/resources/{resource-id}/files/{filename}",
        "file_format": "",
        "Name": "string {filename}"
      },
      ...
    ],
    "title": "Files"
  }
}
```

Get The Contents Of A Subject Resource File

```
GET - /data/projects/{project-id}/subjects/{subject-id | subject-label}/resources/{resource-id | resource-label}/files/{filename}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{resource-id} or {resource-label}	Required path parameter

{filename}	Required path parameter
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Response: Success (200) returns the file contents in its native format.

Create A New Subject Resource Folder

Note: **{resource-label}** must be new and unique in this subject. Once created, resource descriptors cannot be modified.

```
PUT - /data/projects/{project-id}/subjects/{subject-id | subject-label}/resources/{resource-label}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{resource-label}	Required path parameter. Specify the
format	Optional querystring parameter. Specify a string format descriptor for this resource folder.
tags	Optional querystring parameter. Specify a comma-separated list of tags for this resource folder.
content	Optional querystring parameter. Specify a string description of the resource folder's content.

Response: none

Upload A New Subject Resource File

```
PUT - /data/projects/{project-id}/subjects/{subject-id | subject-label}/resources/{resource-id | resource-label}
/files/{filename}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{resource-id} or {resource-label}	Required path parameter
{filename}	Required path parameter. This will be the name of the file as it is stored in XNAT. It can be different from the original name of your uploaded file.
inbody=true	Optional querystring parameter. Use if including the file in the body of the request as opposed to part of a multi-part form data
file	Required body parameter.
format	Optional querystring parameter. Specify a string format descriptor for this resource folder.
content	Optional querystring parameter. Specify a string description of the resource folder's content.

Response: none

Update An Existing Resource File


```
POST - /data/projects/{project-id}/subjects/{subject-id | subject-label}/resources/{resource-id | resource-label}/files/{filename}?overwrite=true
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{resource-id} or {resource-label}	Required path parameter.
{filename}	Required path parameter. This must match an existing file name as it is stored in XNAT.
overwrite=true	Required querystring parameter. This must be set to allow your new file to overwrite your existing one
file	Required body parameter
inbody=true	Optional querystring parameter. Use if including the file in the body of the request as opposed to part of a multi-part form data

Response: none

Delete A Subject Resource Folder

 This URI also permanently deletes all contents of a resource folder

```
DELETE - /data/projects/{project-id}/subjects/{subject-id | subject-label}/resources/{resource-id | resource-label}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{resource-id} or {resource-label}	Required path parameter

Response: none

Delete A Subject Resource File

```
DELETE - /data/projects/{project-id}/subjects/{subject-id | subject-label}/resources/{resource-id | resource-label}/files/{filename}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{resource-id} or {resource-label}	Required path parameter
{filename}	Required path parameter

Response: none