

Image Session Scans API

Contents

- [Get A Listing Of Scans From An Image Session](#)
- [Get A Listing Of A Single Scan's Resources](#)
- [Add Scan To An Image Session](#)
- [Modify Scan Metadata](#)
- [Delete Scan From Image Session](#)

Get A Listing Of Scans From An Image Session

```
GET - /data/projects/{project-id}/subjects/{subject-id | subject-label}/experiments/{experiment-id | experiment-label}/scans
GET - /data/experiments/{experiment-id}/scans
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{experiment-id} or {experiment-label}	Required path parameter
format	Optional querystring parameter <ul style="list-style-type: none">• json (default)• html• xml• csv

Response

```
{
  "ResultSet": {
    "Result": [
      {
        "xsiType": "xnat:mrScanData",
        "xnat_imagescandata_id": "integer",
        "note": "string",
        "series_description": "string",
        "ID": "integer {scan-id}",
        "type": "integer",
        "URI": "path",
        "quality": "string"
      },
      ...
    ],
    "totalRecords": "integer"
  }
}
```

Get A Listing Of A Single Scan's Resources

```
GET - /data/projects/{project-id}/subjects/{subject-id | subject-label}/experiments/{experiment-id | experiment-label}/scans/{scan-id}
GET - /data/experiments/{experiment-id}/scans/{scan-id}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{experiment-id} or {experiment-label}	Required path parameter
{scan-id}	Required path parameter
format	Optional querystring parameter <ul style="list-style-type: none">• html (default)• json• xml• csv

Response

Each **items[n].children** object in the response object contains another **items** array that contains resource details.

```
{
  "items": [
    {
      "children": [
        ...
      ],
      "meta": {
        "create_event_id": integer,
        "xsi:type": "xsiType",
        "isHistory": boolean,
        "start_date": "UTC Date Time"
      },
      "data_fields": {
        "series_description": "string",
        "scanner/manufacturer": "string",
        "image_session_ID": "string {experiment-id}",
        "type": "string",
        "xnat_imageScanData_id": integer,
        "parameters/voxelRes/z": number,
        "xnat_imagescandata_id": number,
        "parameters/voxelRes/x": float,
        "parameters/voxelRes/y": float,
        "scanner": "string",
        "startTime": "time",
        "parameters/imageType": "string",
        "ID": "string",
        "coil": "string",
        "parameters/pixelBandwidth": float,
        "frames": integer,
        "parameters/fov/y": number,
        "scanner/model": "string",
        "parameters/fov/x": number,
        "parameters/tr": number,
        "quality": "string",
        "UID": "string",
        "parameters/orientation": "string",
        "fieldStrength": "float",
        "parameters/acqType": "string"
      }
    }
  ]
}
```

Add Scan To An Image Session

In order to add scans, you must specify the xsiType of the scan. See the note for xsiTypes in [XNAT REST XML Path Shortcuts](#) for more details.

For a full tutorial on uploading image session and scan resources, see [Upload Image Session Files with REST API](#).

```
PUT - /data/projects/{project-id}/subjects/{subject-id | subject-label}/experiments/{experiment-id | experiment-label}/scans/{scan-id}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{experiment-id} or {experiment-label}	Required path parameter
{scan-id}	Required path parameter. Specify a new scan ID that does not already exist in this image session.
xsiType	Required querystring parameter. Example: <ul style="list-style-type: none">• ?xsiType=xnat:mrScanData
{params}	Optional querystring parameters. You can add additional scan descriptors using Scan Data REST XML Path Shortcuts . Example: <ul style="list-style-type: none">• ?xnat:mrScanData/type=T1

Modify Scan Metadata

To set a new value for an existing scan property, specify the parameter key/value pair using one or more [Scan Data REST XML Path Shortcuts](#). You will also need to specify the xsiType, as with any PUT request regarding scans.



This is the same URI as when creating a scan, but you are using a scan ID that already exists.

```
PUT - /data/projects/{project-id}/subjects/{subject-id | subject-label}/experiments/{experiment-id | experiment-label}/scans/{scan-id}
PUT - /data/experiments/{experiment-id}/scans/{scan-id}
```

Parameters

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{experiment-id} or {experiment-label}	Required path parameter
{scan-id}	Required path parameter. Specify a scan ID that already exists in this session.
xsiType	Required querystring parameter. Example: <ul style="list-style-type: none">• ?xsiType=xnat:mrScanData
{params}	Optional querystring parameters. You can add additional scan descriptors using Scan Data REST XML Path Shortcuts . Example: <ul style="list-style-type: none">• ?xnat:mrScanData/type=T1

Delete Scan From Image Session

```
DELETE - /data/projects/{project-id}/subjects/{subject-id | subject-label}/experiments/{experiment-id |  
experiment-label}/scans/{scan-id}  
DELETE - /data/experiments/{experiment-id | experiment-label}/scans/{scan-id}
```

Params

{project-id}	Required path parameter
{subject-id} or {subject-label}	Required path parameter
{experiment-id} or {experiment-label}	Required path parameter
{scan-id}	Required path parameter. Specify a new scan ID that does not already exist in this image session.

Response Code

200	Scan Deleted
403	Permission Denied (User cannot delete data in this project)

Response Format: none