

Image Session Scans API

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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 scan ID that already exists in this image session.
removeFiles	Optional query param. Defaults to "FALSE", which will leave files in the file system after deleting the experiment record in Postgres. When this param is set to "TRUE", those files are permanently deleted.

Response Code

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

Response Format: none