

# XNAT REST XML Path Shortcuts

These keys can be substituted for the full XML Path when referencing variables in PUT or POST procedures. When using the querystring to define your variables, you should include the `?req_format` parameter with a value of "qs" to prevent the body of the message from being parsed.

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## xsiType

All PUT and POST operations allow you to use the querystring parameter 'xsiType' to specify the related data type in your schema. This is only necessary when the level you are referencing could have multiple extensions. For example, `/data/projects/{ID}/subjects/{ID}/experiments/{ID}`. This could be an instance of an `xnat:mrSessionData`, `xnat:petSessionData`, or any other data type which extends `xnat:subjectAssessorData`. So, if you are not including XML to describe your resource, you must use the `xsiType` parameter (before any other parameters) to specify which type of item you are creating. For example:

```
/data/projects/{ID}/subjects/{ID}/experiments/{ID}?xsiType=xnat:mrSessionData
```

## xnat:projectData

The following parameters are available at these URIs:

```
/data/projects  
/data/projects/{ID}
```

Variable Name	XML Path
ID	xnat:projectData/ID
secondary_ID	xnat:projectData/secondary_ID
name	xnat:projectData/name
description	xnat:projectData/description
keywords	xnat:projectData/keywords
alias	xnat:projectData/aliases/alias
pi_firstname	xnat:projectData/PI/firstname
pi_lastname	xnat:projectData/PI/lastname
note	xnat:projectData/fields/fieldname=note/field
last_modified (READ-ONLY)	xnat:projectData/meta/last_modified

insert_date (READ-ONLY)	xnat:projectData/meta/insert_date
insert_user (READ-ONLY)	xnat:projectData/meta/insert_user

## xnat:subjectData

The following parameters are available at these URIs:

```
/data/projects/{ID}/subjects
/data/projects/{ID}/subjects/{ID}
```

Variable Name	XML Path
age	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/age
birth_weight	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/birth_weight
dob	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/dob
education	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/education
educationDesc	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/educationDesc
ethnicity	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/ethnicity
gender	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/gender
gestational_age	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/gestational_age
group	xnat:subjectData/group
handedness	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/handedness
height	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/height
insert_date (READ-ONLY)	xnat:subjectData/meta/insert_date
insert_user (READ-ONLY)	xnat:subjectData/meta/insert_user
last_modified (READ-ONLY)	xnat:subjectData/meta/last_modified
pi_firstname	xnat:subjectData/investigator/firstname
pi_lastname	xnat:subjectData/investigator/lastname
post_menstrual_age	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/post_menstrual_age
race	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/race
ses	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/ses
src	xnat:subjectData/src
weight	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/weight
yob	xnat:subjectData/demographics[@xsi:type=xnat:demographicData]/yob

## xnat:experimentData

These URIs require the use of the **xsiType** parameter if you are using the query string option. The following parameters are available at these URIs:

```
/data/projects/{ID}/subjects/{ID}/experiments
/data/projects/{ID}/subjects/{ID}/experiments/{ID}
```

## Experiment Data Parameters

Variable Name	XML Path
---------------	----------

visit_id	xnat:experimentdata/visit_id
date	xnat:experimentdata/date
ID	xnat:experimentdata/ID
project	xnat:experimentdata/project
label	xnat:experimentdata/label
time	xnat:experimentdata/time
note	xnat:experimentdata/note
pi_firstname	xnat:experimentdata/investigator/firstname
pi_lastname	xnat:experimentdata/investigator/lastname
validation_method	xnat:experimentdata/validation/method
validation_status	xnat:experimentdata/validation/status
validation_date	xnat:experimentdata/validation/date
validation_notes	xnat:experimentdata/validation/notes
last_modified (READ-ONLY)	xnat:experimentdata/meta/last_modified
insert_date (READ-ONLY)	xnat:experimentdata/meta/insert_date
insert_user (READ-ONLY)	xnat:experimentdata/meta/insert_user

## Subject Data Parameters

Variable Name	XML Path
subject_ID	xnat:subjectData/ID
subject_label	xnat:subjectData/label
subject_project	xnat:subjectData/project

## Image Session Data Parameters

Variable Name	XML Path
scanner	xnat:imageSessionData/scanner
operator	xnat:imageSessionData/operator
dcmAccessionNumber	xnat:imageSessionData/dcmAccessionNumber
dcmPatientId	xnat:imageSessionData/dcmPatientId
dcmPatientName	xnat:imageSessionData/dcmPatientName
session_type	xnat:imageSessionData/session_type
modality	xnat:imageSessionData/modality
UID	xnat:imageSessionData/UID

## MR Session Data Parameters

Variable Name	XML Path
coil	xnat:mrSessionData/coil
fieldStrength	xnat:mrSessionData/fieldStrength
marker	xnat:mrSessionData/marker
stabilization	xnat:mrSessionData/stabilization

## PET Session Data Parameters

Variable Name	XML Path
studyType	xnat:petSessionData/studyType
patientID	xnat:petSessionData/patientID
patientName	xnat:petSessionData/patientName
stabilization	xnat:petSessionData/stabilization
scan_start_time	xnat:petSessionData/start_time/scan
injection_start_time	xnat:petSessionData/start_time/injection
tracer_name	xnat:petSessionData/tracer/name
tracer_startTime	xnat:petSessionData/tracer/startTime
tracer_dose	xnat:petSessionData/tracer/dose
tracer_sa	xnat:petSessionData/tracer/specificActivity
tracer_totalmass	xnat:petSessionData/tracer/totalMass
tracer_intermediate	xnat:petSessionData/tracer/intermediate
tracer_isotope	xnat:petSessionData/tracer/isotope
tracer_isotope	xnat:petSessionData/tracer/isotope/half-life
tracer_transmissions	xnat:petSessionData/tracer/transmissions
tracer_transmissions_start	xnat:petSessionData/tracer/transmissions/startTime

## xnat:imageScanData

These URIs require the use of the **xsiType** parameter if you are using the query string option. The following parameters are available at these URIs:

```
/data/projects/{ID}/subjects/{ID}/experiments/{ID}/scans  
/data/projects/{ID}/subjects/{ID}/experiments/{ID}/scans/{ID}
```

## All Image Scan Data Parameters

Variable Name	XML Path
ID	xnat:imageScanData/ID
type	xnat:imageScanData/type
UID	xnat:imageScanData/UID
note	xnat:imageScanData/note
quality	xnat:imageScanData/quality
condition	xnat:imageScanData/condition
series_description	xnat:imageScanData/series_description
documentation	xnat:imageScanData/documentation
scanner	xnat:imageScanData/scanner
modality	xnat:imageScanData/modality
frames	xnat:imageScanData/frames
validation_method	xnat:imageScanData/validation/method
validation_status	xnat:imageScanData/validation/status

validation_date	xnat:imageScanData/validation/date
validation_notes	xnat:imageScanData/validation/notes
last_modified (READ-ONLY)	xnat:imageScanData/meta/last_modified
insert_date (READ-ONLY)	xnat:imageScanData/meta/insert_date
insert_user (READ-ONLY)	xnat:imageScanData/meta/insert_user

## MR Data Scan Parameters

Variable Name	XML Path
coil	xnat:mrScanData/coil
fieldStrength	xnat:mrScanData/fieldStrength
marker	xnat:mrScanData/marker
stabilization	xnat:mrScanData/stabilization

## PET Data Scan Parameters

Variable Name	XML Path
orientation	xnat:petScanData/parameters/orientation
scanTime	xnat:petScanData/parameters/scanTime
originalFileName	xnat:petScanData/parameters/originalFileName
systemType	xnat:petScanData/parameters/systemType
fileType	xnat:petScanData/parameters/fileType
transaxialFOV	xnat:petScanData/parameters/transaxialFOV
acqType	xnat:petScanData/parameters/acqType
facility	xnat:petScanData/parameters/facility
numPlanes	xnat:petScanData/parameters/numPlanes
numFrames	xnat:petScanData/parameters/frames/numFrames
numGates	xnat:petScanData/parameters/numGates
planeSeparation	xnat:petScanData/parameters/planeSeparation
binSize	xnat:petScanData/parameters/binSize
dataType	xnat:petScanData/parameters/dataType

## xnat:reconstructedImageData



Reconstructions are deprecated in XNAT 1.7

The following parameters are available at these URIs:

```
/data/projects/{ID}/subjects/{ID}/experiments/{ID}/reconstructions
/data/projects/{ID}/subjects/{ID}/experiments/{ID}/reconstructions/{ID}
```

VARIABLE NAME	XML PATH
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ID	xnat:reconstructedImageData/ID
type	xnat:reconstructedImageData/type
baseScanType	xnat:reconstructedImageData/baseScanType
last_modified (READ-ONLY)	xnat:reconstructedImageData/meta/last_modified
insert_date (READ-ONLY)	xnat:reconstructedImageData/meta/insert_date
insert_user (READ-ONLY)	xnat:reconstructedImageData/meta/insert_user

## xnat:imageAssessorData

These URIs require the use of the **xsItemType** parameter if you are using the query string option. The following parameters are available at these URIs:

```
/data/projects/{ID}/subjects/{ID}/experiments/{ID}/assessors
/data/projects/{ID}/subjects/{ID}/experiments/{ID}/assessors/{ID}
```

Variable Name	XML Path
visit_id	xnat:experimentdata/visit_id
date	xnat:experimentdata/date
time	xnat:experimentdata/time
note	xnat:experimentdata/note
pi_firstname	xnat:experimentdata/investigator/firstname
pi_lastname	xnat:experimentdata/investigator/lastname
validation_method	xnat:experimentdata/validation/method
validation_status	xnat:experimentdata/validation/status
validation_date	xnat:experimentdata/validation/date
validation_notes	xnat:experimentdata/validation/notes
last_modified (READ-ONLY)	xnat:experimentdata/meta/last_modified
insert_date (READ-ONLY)	xnat:experimentdata/meta/insert_date
insert_user (READ-ONLY)	xnat:experimentdata/meta/insert_user