

XNAT API Documentation

This Confluence wiki space exists to display XNAT API and API for XNAT plugins in an interactive way. It also contains simple tutorials on using the XNAT API to communicate with your XNAT and perform many operations.

XNAT REST API Directory

This table contains a directory of API that can be found in Core XNAT.

/xapi vs /data vs /data/archive vs /REST

In legacy XNAT REST APIs, the following prefixes can be used interchangeably:

- /REST
- /data
- /data/archive

These prefixes are **not** interchangeable with Swagger-enabled XAPI rest paths. These can only use:

- /xapi

XNAT Administration

Site Administration

Site-wide Configuration API	<code>/xapi/siteConfig</code>
Preference Service API	<code>/xapi/prefs</code>
Data Type Schema API	<code>/xapi/schemas</code>
Legacy XNAT Site Configuration API	<code>/data/config</code>

System Administration

XNAT Archive API	<code>/xapi/archive</code>
System Notifications API	<code>/xapi/notifications</code>
Node / Task Management API	<code>/xapi/xnatTask</code>

User Administration

User Management API	<code>/xapi/users</code>
User Management API (Deprecated)	<code>/data/users</code>
User Resources API	<code>/data/user/cache/resources</code>
Project User Access API	<code>/data/projects/ID/users</code>
Project Access Request API	<code>/data/pars</code> <code>/data/projects/ID/pars</code>

User Authentication Services

XNAT Data Management API

Working With Projects

Project API	<code>/data/projects</code>
Project Attributes API	<code>/data/projects/{ID}/accessibility</code> <code>/data/projects/{ID}/current_arc</code> <code>/data/projects/{ID}/prearchive_code</code> <code>/data/projects/{ID}/quarantine_code</code> <code>/data/projects/{ID}/scan_types</code>
Project Investigators API	<code>/xapi/investigators</code>
Project User Access API	<code>/data/projects/{ID}/users</code>
Project Access Request API	<code>/data/pars</code> <code>/data/projects/{ID}/pars</code>
Project Configuration API	<code>/data/projects/{ID}/config</code>
Project Pipeline Management API	<code>/data/projects/{ID}/pipelines</code>

Tutorials:



- [Using the XNAT API: How to Configure Scan Quality Labels](#)

Working with Subjects, Image Sessions and other Subject Assessors

Subject API	<code>/data/subjects</code> <code>/data/.../subjects</code>
Experiment API ("Subject Assessors" API)	<code>/data/experiments</code> <code>/data/.../experiments</code>
Experiment Quarantine API	<code>/data/.../experiments/status</code>
Image Session Scans API	<code>/data/.../experiments/{ID}/scans</code>

User Session Management API	/data/JSESSION
User Auth Service API	/data/services/auth
User Alias Token API	/data/services/tokens

XNAT Plugin Administration

Plugin API	/xapi/plugins
Plugin Open URL Authorization API	/xapi/pluginOpenUrls

UI configuration:

UI Element Spawner API	/xapi/spawner
UI Theme API (beta)	/xapi/theme

DICOM Connections:

DICOM SCP API	/xapi/dicomscp
DICOM SCP API (Deprecated)	/data/services/dicomscp
DICOM Anonymization Settings API	/xapi/anonymize
Connected Scanners API (Deprecated)	/data/scanners

Other Services:

File Mover Service API	/data/services/move-files
Mail Send API	/data/services/mail/send
Audit Service API	/data/services/audit
Catalog Refresh API	/data/services/refresh/catalog
Email Verification API	/data/services/sendEmailVerification
Features API (Deprecated)	/data/services/features

Image Assessor API	/data/.../experiments/{ID}/assessors
Data Sharing API	/data/projects/{ID}/.../projects

Tutorials:



- [How to Create Subjects with the XNAT REST API](#)
- [How To Download Files via the XNAT REST API](#)
- [XNAT REST XML Path Shortcuts](#)

Storing And Retrieving Resource Files

Project Resources and Files API	/data/projects/{ID}/resources /data/projects/{ID}/files
Subject Resource API	/data/.../subjects/{ID}/resources /data/.../subjects/{ID}/files
Experiment Resource API	/data/.../experiments/{ID}/resources
Image Scan Resource API	/data/.../experiments/{ID}/scans/{ID}/resources
Image Assessor Resource API	/data/.../assessors/{ID}/{IN OUT}/resources

Tutorials:



- [How to Upload Image Session Files with the REST API](#)

Using and Managing the Archive & Prearchive

Image Session Import Service API	/data/services/import
Image Session Archive Service API	/data/services/archive
Prearchive API	/data/services/prearchive
Image Session Upload Status API	/data/status
DICOM Dump Service API	/data/services/dicomdump

XNAT Search API

XNAT Search API	/data/search
Stored Search API	/data/search/stored

Tutorials:



- [How to Query the XNAT Search Engine with REST API](#)

XNAT Data Processing

XNAT Pipeline API	/data/projects/{ID}/pipelines
XNAT Workflow API	/data/workflows

Related: [Container Service API](#)

XNAT Automation API

Event Handler API (beta)	/xapi/eventHandler
XNAT Automation Service API (beta)	/xapi/automation

Deprecated API

These API are from legacy XNAT versions and have been replaced.

Site Administration

- XNAT Site Configuration API - /REST/config
- XNAT Site Settings API - /REST/services/settings
- XNAT Log Reporting API - /REST/services/logging
- XNAT Version - /REST/version

Search

- Search Fields - /REST/search/fields