

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	/xapi/siteConfig
Preference Service API	/xapi/prefs
Data Type Schema API	/xapi/schemas /xapi/{SCHEMA} /xapi/{NAMESPACE}/ {SCHEMA} /schemas/{SCHEMA}
Legacy XNAT Site Configuration API	/data/config

Tutorials:

- [Enabling Authentication Providers via the SiteConfig API](#)

System Administration

XNAT Archive Catalog API	/xapi/archive
System Notifications API	/xapi/notifications
Node / Task Management API	/xapi/xnatTask
Async Operations Settings API	/xapi/asyncOps
Logging API	/xapi/logs

XNAT Data Management API

Working With Projects

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

Tutorials:

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

Working with Subjects, Image Sessions and other Subject Assessors

Subject API	/data/subjects /data/.../subjects
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User Administration

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

User Authentication Services

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

XNAT Event Service Administration

Event Service API	/xapi/events /xapi/projects/{ID}/events
Event Tracking Data API	/xapi/event_tracking

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
DICOM Inbox Transaction API	/xapi/dicom
Connected Scanners API (Deprecated)	/data/scanners

Experiment API ("Subject Assessors" API)	/data/experiments /data/.../experiments
Experiment Quarantine API	/data/.../experiments/status
Image Session Scans API	/data/.../experiments/{ID}/scans
Image Assessor API	/data/.../experiments/{ID} /assessors
Data Sharing API	/data/projects/{ID}/.../projects
Scan Snapshot Generation API	/xapi/snapshot-generation-api

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
Resource Quarantine API	/data/services/triage

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
Archive Processor API	/xapi/processors
Custom DICOM Mapping API	/xapi/dicom_mappings



Tutorials:

- [How to Set Custom DICOM Routing Rules via the XNAT API](#)

Other Services:

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

XNAT Search API

XNAT Search API	<code>/data/search</code>
Stored Search API	<code>/data/search/stored</code>



Tutorials:

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

XNAT Data Processing

XNAT Pipeline API	<code>/xapi/pipelines</code>
XNAT Project Pipeline API (Deprecated)	<code>/data/projects/{ID}/pipelines</code>
XNAT Workflow API	<code>/data/workflows</code>

Related: [Container Service API](#)

XNAT Automation API

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

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`