

# XNAT Administration

## What Do XNAT Admins Need to Know?

In each successive release we have worked to add functionality to XNAT, inadvertently making the job of XNAT Administration more complex. In XNAT 1.7, we are hoping to combat that complexity by making XNAT easier to set up, and by bringing more control into the Admin UI.

With that said, however, there are some tasks related to administering your XNAT that still require access to the file system (such as adding pipelines and plugins), and still some reporting (such as complex data freezes) that can only be done with access to the PostgreSQL database.

With that in mind, there are multiple ways you can set up Admin Access in XNAT. You can create a user that has full access to your XNAT and all its data, or you can limit the powers of certain admin users by not granting project data access. **Learn more about Types of Admin User Roles.**

When your task necessitates working with the back end, it is helpful to know how XNAT and its components are organized. **Learn more about the XNAT backend.**

For all other XNAT Admin tasks, please see below.

## XNAT First-time Setup

- [How To Upgrade XNAT](#)
- [Prerequisites for Installing XNAT](#)
- [Running XNAT in a Vagrant Virtual Machine](#)
- [XNAT Installation Guide](#)
- [XNAT Setup - First Time Configuration](#)

## Advanced Setup Options

- [Multiple Web Front Ends to a Single XNAT Database or Archive \(Multi-Node XNAT\)](#)
- [XNAT Setup Options - Auto-populate Data](#)
- [XNAT Setup Options - Custom Configuration Settings](#)
- [Configuring Tomcat To Avoid Errors](#)
- [XNAT File System Settings](#)

## Getting To Know XNAT

- [Understanding the Components of XNAT](#)
- [XNAT Site Settings](#)

## Managing Users and Roles

- [Administering Users](#)
- [Configuring Authentication Providers](#)
- [Setting User Registration Options in XNAT](#)

## Managing Sites and Studies



You can set XNAT Administrator privileges to give admin users access to all studies and study data in your XNAT. For more details, see [Administering Users](#).

- [Supporting Study Types with XNAT Project Structures](#)
- [Notifications and Alerts in XNAT](#)
- [Share Custom Data Tables as Stored Searches for Project Reporting](#)

## Adding Data Types and New Functions to XNAT

- [Managing Data Types in XNAT](#)
- [XNAT Data Type Development](#)
- [Deploying Plugins in XNAT](#)

## Importing Image Data into XNAT

- [Site-wide Session Upload and Anonymization Settings](#)
- [Connecting XNAT to DICOM Scanners and PACS](#)

## Computing in XNAT

### Configuring The Pipeline Engine

Related Topics:

- [Monitoring and Troubleshooting Pipelines](#)
- [Pipeline Processing Settings in XNAT](#)
- [Installing the Pipeline Engine](#)
- [Installing Pipelines in XNAT](#)

## XNAT Security Settings

- [XNAT Security Settings in the Admin UI](#)

## Customizing XNAT

- [Using the XNAT API: How to Configure Scan Quality Labels](#)
- [Share Custom Data Tables as Stored Searches for Project Reporting](#)

## Connecting XNAT to Other Systems

- [Connecting XNAT to Other XNATs](#)
- [Connecting XNAT to DICOM Scanners and PACS](#)

## XNAT System Monitoring and Maintenance



This section is also available in the [XNAT IT Operations](#) documentation.

- [XNAT System Maintenance Tips](#)
- [XNAT Functional Testing with Selenium](#)
- [XNAT System Monitoring](#)