

# Downloading Image Sessions

There are two ways you can download image sessions from XNAT using the XNAT Desktop Client.

[Direct Downloads from your XNAT Webapp \(requires XNAT 1.7.5\)](#) | [Start a Download from an XML Catalog File \(works with XNAT 1.7.4.1\)](#)

## Direct Downloads from your XNAT Webapp (requires XNAT 1.7.5)

XNAT 1.7.5 and later supports the "xnat(s)://" protocol, which the web application uses to pass a download request to the desktop application. In the new Download Images configuration page, you will see that a new download option is now available.

### Imaging Data Download

#### 1: Select Sessions

Sessions

All Filter

- Subj1\_MR\_1
- Subj1\_RTSTRUCT\_1

#### 2: Select Image Data

Scan Formats

All Filter

- DICOM
- NRRD
- secondary

Scan Types

All Filter

- Axial-T1 (locator) (1)
- Breast Tissue Segmentation (1)
- PE Segmentation thresh=70 (1)
- PJN (4)
- RTDose (1)
- RTLABREPORT (1)
- RTPlan (1)
- RTStruct (1)
- Sagittal-2DFSE with fat/supp. (2)
- Sagittal-IR\_3DFGRE (1)
- Sagittal-IR\_3DFGRE: PE1 (1)
- Sagittal-IR\_3DFGRE: SER (1)
- TRAN 3D T1 GRE 2.5MM (1)
- VOI Breast Tissue Segmentation (1)
- VOI PE Segmentation thresh=70 (1)

#### 3: Download Data

Options

- Option 1: Download via Desktop Client**  
An XML download manifest will be sent to the XNAT Desktop Client, which works behind the scenes to download your files.  
[Download the XNAT Desktop Client here: download.xnat.org.](#)
- Option 2: ZIP download**  
Your selected session data will be downloaded as a single compressed zip file.
- Option 3: Catalog XML**  
Download an xml representation of the files. This xml can then be used by specific applications to download the data at the user's command.

Include project in file paths

Include subject in file paths

Simplify downloaded archive structure

**Submit Data Request**

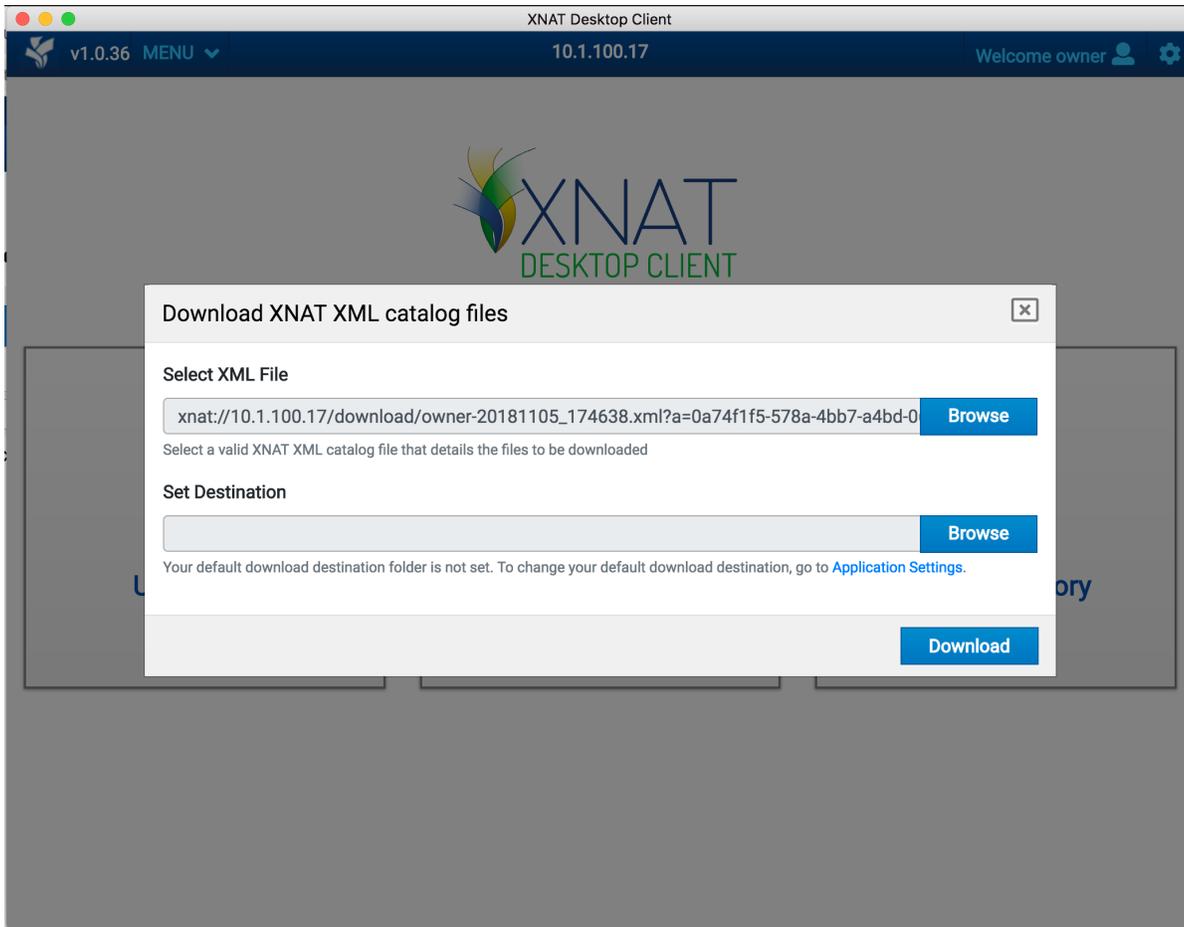
Upon page submission, the pertinent files will be reviewed and organized for download. Depending on the number of files, this may take several minutes to process.

As long as you have the XNAT Desktop Client installed, the XNAT webapp will open automatically and log itself in using an authentication token passed from your XNAT webapp session to the desktop client.



If your XNAT Desktop Client is already open **and logged in to a different XNAT**, or logged in with credentials other than the ones you're using in your XNAT webapp, starting a new download may conflict with that existing session, and may interrupt any existing transfers you have going on.

Once your Desktop Client is open and logged in, you will be presented with a confirmation screen that shows the **xnat://** formatted path to the catalog file that you're about to download from. You will also be prompted to set a download location. You can set a default download location in [Application Settings](#).



It's important to note that this request with its bundled authentication token is handled as an application URL, and is not directly downloaded to your desktop. This is a security measure, so you don't have to worry about another user finding that file and opening it, thus getting access to an XNAT session on your credentials through the desktop client.

Once you click "Download", you will be taken to the [Transfer Monitor](#) screen and you can see the progress of your download as it is processed.

### Start a Download from an XML Catalog File (works with XNAT 1.7.4.1)

The XNAT Desktop Client also allows you to manually initiate a download using any valid XNAT catalog file. In order to generate this catalog file, open your XNAT and select a series of images to download. In the "Imaging Data Download" configuration screen, select **Option 2, Catalog XML (.xcat)** as your download format.

## Imaging Data Download

### 1: Select Sessions

**Sessions**

All

148579

### 2: Select Image Data

**Scan Formats**

All

DICOM

secondary

**Scan Types**

All

Axial-T1 (locator) (1)

Breast Tissue Segmentation (1)

PE Segmentation thresh=70 (1)

PJN (4)

Sagittal-2DFSE with fat/supp. (1)

Sagittal-IR\_3DFGRE (1)

Sagittal-IR\_3DFGRE: PE1 (1)

Sagittal-IR\_3DFGRE: SER (1)

VOI Breast Tissue Segmentation (1)

VOI PE Segmentation thresh=70 (1)

**Additional Resources**

All

DEBUG\_OUTPUT

### 3: Download Data

**Options**

**Option 1: Download via Desktop Client**  
An XML download manifest will be sent to the XNAT Desktop Client, which works behind the scenes to download your files.

[Download the XNAT Desktop Client here: download.xnat.org.](https://download.xnat.org)

**Option 2: ZIP download**  
Your selected session data will be downloaded as a single compressed zip file.

**Option 3: Catalog XML**  
Download an xml representation of the files. This xml can then be used by specific applications to download the data at the user's command.

Include project in file paths

Include subject in file paths

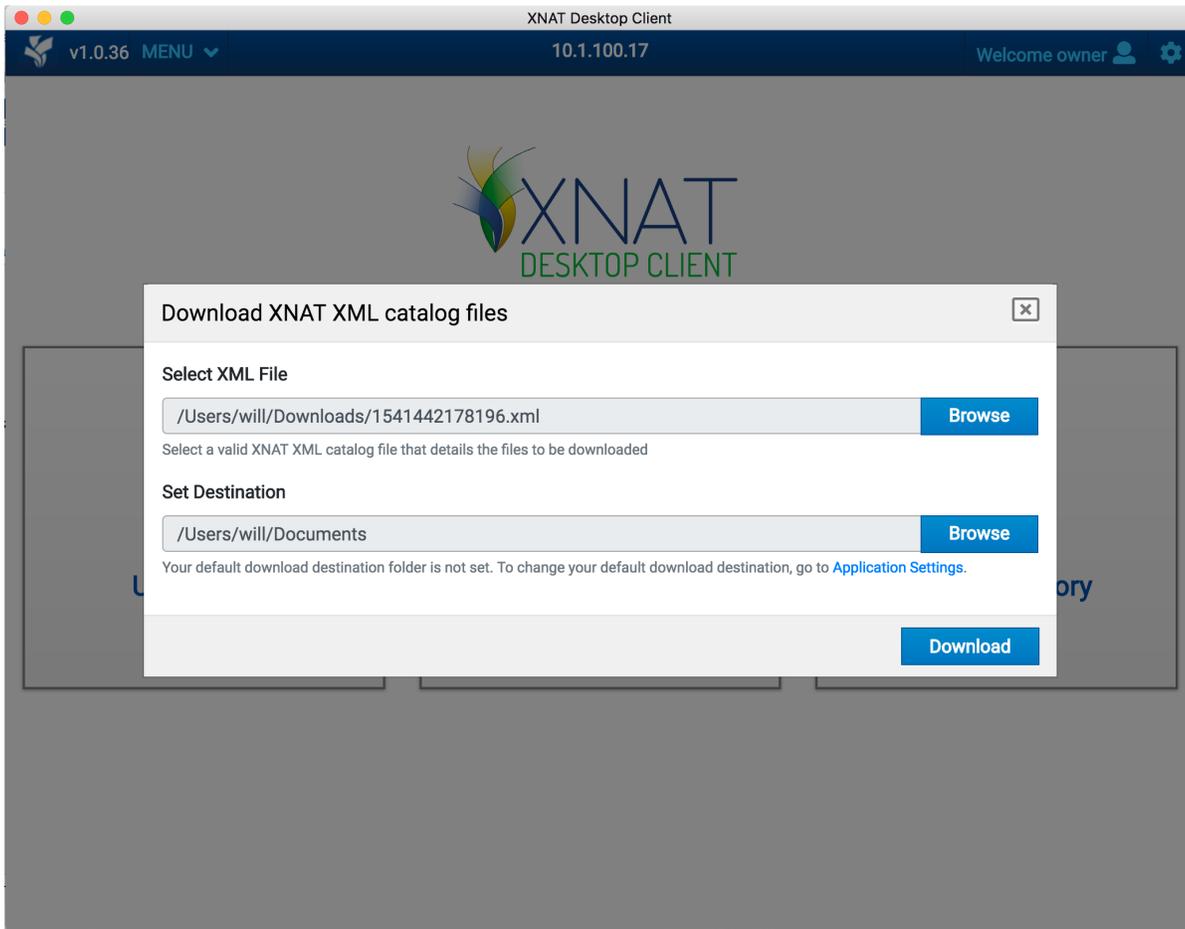
Simplify downloaded archive structure

**Submit Data Request**

Upon page submission, the pertinent files will be reviewed and organized for download. Depending on the number of files, this may take several minutes to process.

This option will download a Catalog XML file to your computer. (Depending on your browser file-handling settings, the XML file may be displayed in a new tab. If so, save the XML file from the browser to a location of your choice before proceeding.)

Once your Desktop Client is open and logged in, select "Download Files" from the main menu screen. You will be presented with a confirmation screen that prompts you to select a catalog file that you're about to download from. You will also be prompted to set a download location. (You can set a default download location in [Application Settings](#).)



It's important to note that this request with its bundled authentication token is handled as an application URL, and is not directly downloaded to your desktop. This is a security measure, so you don't have to worry about another user finding that file and opening it, thus getting access to an XNAT session on your credentials through the desktop client.

Once you click "Download", you will be taken to the [Transfer Monitor](#) screen and you can see the progress of your download as it is processed.

## Download File Structure & Folder Location

Files will download to a new folder in your specified download location, where the folder name is the name (or IP address) of the XNAT you have logged into. All downloaded files will be placed within this folder. The organization of those files will depend on how you configured your download settings (i.e. whether you selected "Simplify download archive structure" or not).