Batching Actions on Scans with the Selectable Table Plugin

✅ The XNAT Selectable Table has been released as a plugin coinciding with the release of XNAT 1.7.3. In order to use this UI, you will need to download and install this plugin.

The advent of Container Services gave XNAT users the ability to run a processing command on a single scan, but the XNAT UI offered no way to access scan-level controls. The Selectable Table plugin was developed in order to expose those controls to users, but it also offers some basic conveniences for core XNAT uses. This documentation offers a quick run-through of the things you can do from inside this table, both on individual scans and in bulk.

⚠️ Some functionality is only partially-enabled. Future updates are planned to this plugin to enhance functionality. We expect to merge this functionality directly into core XNAT further down the development roadmap.

UI Overview

Actions on Single Scans

When the user hovers over an individual scan row in the selectable table, a set of inline icons appears that allows the user to perform actions immediately on that scan.

Show Scan Details

Scan details used to appear as hidden rows within the table. They have been moved into a popup dialog. These dialogs can be repositioned around the page, and users can open multiple dialogs to compare scans side-by-side.

PROJECT: Nifti_Proc > SUBJECT: GSU001 > GSU001_v

MR Session: GSU001_v00_mr

Details	Projects

Accession #: XNAT_E00014
Date Added: 08/04/2017 18:01:04 (admin)
Date: 03/24/2011
Time: 15:41:36
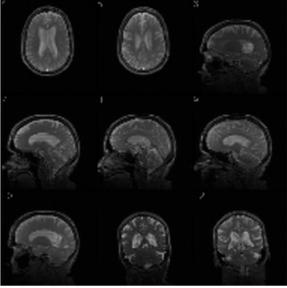**Scanner:** GE MEDICAL SYSTEMS Signa
Acquisition Site: GSU

Scan 1 ✖

Image

Quality	usable
Series Desc	3 Plane Localizer
Frames	15
Image Type	ORIGINAL\\PRIMARY\\OTHER
Coil	8HRBRAIN
Field Strength	3.0
Vox. Res.	1.0156, 1.0156, 5.0
FOV	256 x 256
TR	5.492
TE	1.68
TI	0.0
Flip	30

View DICOM Headers

Click in the header to move this dialog around the page   Cancel   OK

Scans

Bulk Actions: Open In XImg Viewer   Download

	Scan	Type		Note	Run
☐	1	3 Plane Localizer			▸
☐	2	Sag IR-SPGR		es	▸
☐	4	Accelerated SAG IR-SPC		es	▸
☐	5	Axial FLAIR		s	▸
☐	6	Axial T2 Star		s	▸
☐	702	T2-weighted trace		s	▸

Total: 143.9 MB in 560 files

Open Image Viewer

Users may want to directly view a given scan in the image viewer. With the default XImg viewer, this behavior is only partially supported. You can open the viewer from the scan table, but you cannot preload the selected scan. A future update to the viewer would enable this functionality.

Download Scan

Users can go directly from the scan table to the Download Images UI. In XNAT 1.7.3, this behavior is only partially supported – in a near-term release image downloading for specific scans will be streamlined.

Delete Scan

Users with appropriate project permissions will be see the "delete" icon in their inline actions and be able to delete a given scan from a session record, and delete scan files from the file system, directly from the scan table.

Edit Note

Users can create or update a note on a given scan directly from the scan table, instead of having to load the "Edit Scan" UI. The action icon to edit scan notes is located within the note field for each scan in the Scan Table.

Run Container (Requires the Container Services Plugin)

If your XNAT has the **Container Service** plugin installed and a processing command configured to be run on individual scans, users can run that command directly from the scan table. A caret will appear in the right-most "Run" column listing available commands that can be executed.

Bulk Actions on Scans

Using the checkboxes in the left-most column of the Scan Table, users can select one or more scans to perform bulk actions on. As with the **Container Service** plugin, additional functionality may be able to be added here over time by XNAT developers.

Installing and Configuring the XNAT Selectable Table Plugin

Installing the Selectable Table plugin is very easy. All that is required is to download the latest JAR file from the release repository, drop it in your XNAT plugins directory, and restart Tomcat. For reference, see **Deploying Plugins in XNAT 1.7**.

Download the latest Selectable Table Plugin JAR:

In its current release, there is no configuration necessary for the Selectable Table plugin. It is only used in image session report pages. In future releases, it may be usable on experiment listings for the Subject page, in data listings on searches, and nearly anywhere actions can be taken on tabular data.

Compatibility with Visits and Protocols

> ⊘ This plugin is not currently compatible with the Visits and Protocols plugin. This will be addressed in a future release.