

## Welcome to SEA-XNAT

Congratulations! You now work for SEA-XNAT, a deployment of XNAT at Oceanic University, Atlantis. The SEA-XNAT is a brand new vanilla deployment of XNAT's fantastic new 1.6 release. SEA-XNAT includes all the great features you have come to know and love in XNAT plus the additional features from releases 1.5 and 1.6 listed below:

### XNAT 1.5

- **Multiframe DICOM data:** Ability to archive and access in XNAT. We are still fine tuning how some of the specific headers should be persisted, but this will be an ongoing process.
- **Uploader Applet:** Refactored to send DICOM data over HTTP (rather than the DICOM protocol). It uploads data scan by scan as zips to improve reliability.
- **Prearchive:** The Prearchive UI has been completely rewritten to support sorting, filtering and bulk actions. Also, now accessible and manageable via the REST API.
- **Image session merging:** Merge new content into existing sessions. Users should be able to upload additional data to existing sessions, without eliminating pre-existing data. This includes adding new scans to existing sessions, and new files to existing scan id.
- **DICOM server:** Incorporated into XNAT itself. The XNAT server should support the receipt and storage of DICOM data sent via DICOM C-STORE.
- **User cache space:** Add a user cache space for temporary storage of user files (via REST). Users can now upload data into a user specific cache space via REST, for usage later on.
- **New in XNAT 1.5.4:** Secured XNAT against cross-site request forgery (CSRF) attacks.

### XNAT 1.6

- **Modules!** Allows overriding and extending XNAT's functionality through the use of packaged modules. Also, announcing XNAT Marketplace <https://marketplace.xnat.org> where XNAT admins can download XNAT modules and XNAT tools.
- **Multiple DICOM SCP receivers:** Different scanners can send to different DICOM ports.
- **Security and authentication enhancements:** Includes local database and multiple LDAP authentication, password complexity and expiration, and better protections against various security exploits
- **Email support:** Support for SMTP credentials and encrypted transport for mail transfer (including pipelines)
- **Anonymization:** UI support for anonymization scripts
- **Upload Applet:** Streamlined upload applet functionality
- **User session timeout:** A time-out counter and warning
- **Audit trail:** Enhanced data lifecycle tracking/reporting