# Admin Track

MONDAY, JUNE 25 - CONNOR AUDITORIUM, FARRELL CENTER

|  |  |
| --- | --- |
| 8:00 | **Breakfast & sign-in.**  Coffee and pastries will be available in the lobby outside Connor Auditorium. Make sure to pick up a packet, name tag, and some schwag. |
| **9:00** | **Workshop Kickoff  Presenter: Dan Marcus** |
|  | Welcome everyone! Dan will talk a bit about how the workshop is organized and give a brief update on recent XNAT developments. |
| **9:30** | [**Project Intake**](https://wiki.xnat.org/display/Workshop2012Pub/XNAT+Workshop+2012+-+Project+Intake) **Presenter: Jenny Gurney** |
|  | We will begin the workshop by role-playing the process of gathering information at the onset of a major project. Workshop attendees will split into groups to meet with "PIs", and interview them for project requirements.  By the end of this session, users should have a good set of requirements for their new site and be able to define:   * The types of projects required * Which data types are needed for the site * Supported imaging modalities * Anonymization and validation requirements * Pipeline processing |
| **12:00** | **Lunch /**[**Virtual Machine Installation and Configuration**](https://wiki.xnat.org/display/Workshop2012Pub/Virtual+Machine+Installation+and+Configuration)**Session Presenter: Rick Herrick** |
|  | If you haven't already installed your XNAT 1.6 VM, this working lunch session is geared toward making sure you have one up and working, in preparation for the rest of the conference.  If you have already got yours installed, we recommend milling about and meeting new people. |
| **1:30** | [**Project Configuration**](https://wiki.xnat.org/display/Workshop2012Pub/XNAT+Workshop+2012+-+Project+Configuration+Resources) **Presenters: Tim Olsen, Mohana Ramaratnam, Jordan Woerndle** |
|  | This is a wide-ranging review of a process that is often iterative and reactive in practice, but we are condensing it down for an idealized project preparation and configuration period to hit on the main points.   * Site and Project Structure (1:40) * Anonymization Scripts (2:20) * [Working with Visits and Protocols](https://wiki.xnat.org/display/Workshop2012Pub/Visits+and+Protocols+-+Jordan+Woerndle). Presented by Jordan Woerndle (3:00) * Image Validation using Schematron. Presented by Mohana Ramaratnam (4:00) |
| 5:00 | Break |
| **6:00 Cocktails 7:00 Dinner** | **Dinner & Drinks at Wildflower Restaurant 4590 Laclede Avenue** |
|  | Drinks will be served (cash bar only, sorry) starting at 6:00. At 7:00, dinner will be served. Shortly thereafter, we will begin our DIY Keynote, featuring "Blitz Talks" given by you, our attendees, about your institutions, your projects, and your experiences (for better or worse) with XNAT. |

TUESDAY, JUNE 26 - CONNOR AUDITORIUM, FARRELL CENTER

|  |  |
| --- | --- |
| 8:00 | Breakfast and milling about |
| **9:00** | [**System Configuration and Customization**](https://wiki.xnat.org/display/Workshop2012Pub/Extending+and+Customizing+XNAT+with+Modules+-+Rick+Herrick) **Presenter: Rick Herrick** |
|  | Using the information we gathered in the **Project Intake** session, we will begin configuring our XNAT to support the BOGUS project. This includes:   * Creating and integrating modules into XNAT * Installing custom data types - one from the XNAT Marketplace, and one provided on disk * Enabling custom functionality and UI components |
| **11:00** | **XNAT Admin Q&A** |
|  | An open forum to answer questions, with a particular focus on what we've heard so far.  Feel free to post questions in advance (example: "Why does my XNAT hate me?") on this page: [Attendee Questions](https://wiki.xnat.org/display/Workshop2012Pub/Attendee+Questions) |
| **12:00** | **Lunch / Presentation: "XNAT deployment strategies, from an IT perspective" Presenters: Chip Schweiss & Matt House** |
|  | A working lunch lecture beginning at 12:30, featuring a discussion of working XNAT instances, including hardware requirements, server configuration, security, automation, etc. |
| **1:30** | [**Data Upload and Entry**](https://wiki.xnat.org/display/Workshop2012Pub/XNAT+Workshop+2012+-+Data+Upload+and+Entry) **Presenter: Kevin Archie** |
|  | BOGUS XNAT is ready to accept data – how will it get there? Topics include:   * The upload applet * zip/tar.gz upload * DICOM C-STORE * Autoarchiving (including troubleshooting) * The prearchive (and more troubleshooting) * How XNAT decides where to put received data (and how to change that) * What XNAT does to DICOM metadata (and how to change that) * DicomEdit: XNAT's language for modifying metadata * Getting data from remote sites, including RSNA CTP * Using the spreadsheet uploader (Tim) |
| 5:00 | Break |
| **6:00** | **Happy Hour at Brennan's.  4659 Maryland Ave** |
|  | Cash bar, light food will be served. Those looking for dinner afterwards will find a variety of excellent restaurants in the immediate vicinity. |

WEDNESDAY, JUNE 27 - CONNOR AUDITORIUM

|  |  |
| --- | --- |
| 8:00 | Breakfast |
| **9:00** | **Working with Pipelines Presenter: Mohana Ramaratnam** |
|  | The Pipeline Engine is one of the most powerful - and mystifying - tools in the XNAT universe. Mohana, the lead architect of the Pipeline Engine, is here to teach us its secrets.   * At the end of this session, attendees should be able to: * Add pipeline to a XNAT site * Setup an available pipeline for a project * Guide XNAT users on launching a pipeline * Create a new pipeline |
| **12:00** | **Lunch / Presentation: "The Future of XNAT" Presenter: Dan Marcus** |
|  | The first 1/2 of lunch will be free, allowing people to get food, eat, talk, etc. From 12:30 to 1:30, Dan leads a talk on XNAT Roadmap, 1.6 and beyond. |
| **1:30** | **Building Reports and Data Visualization Presenter: Will Horton** |
|  | Once you have data to work with, the fun begins - for your end users. This session focuses on enabling smart searches, data mining, and reporting, as well as exploring browser-based data visualization tools.   * Introduction to reports (1:30) * Standard reports & notifications in CNDA, by Jenny Gurney (1:45) * Building a complex report for a PI, by Jenny Gurney (2:00) * Hands-on: Building data tables and stored searches. (2:30) * Examples of visual data in dashboards and reports (3:00) * Hands-on: Building a dynamic Javascript visualization from XNAT data (3:30)   If we have time left over, we may get into turning that report into a module. |
| **5:00** | **End of Administrator Track** |

**Developer Track**

THURSDAY, JUNE 28 - CONNOR AUDITORIUM, FARRELL BREAKOUT ROOMS

|  |  |
| --- | --- |
| 8:30 | Breakfast |
| **9:00** | **Introduction to Developer Days Overview of XNAT Code Base Lead presenter: Tim Olsen** |
|  | Join us in Connor Auditorium for a quick introduction to the developer track followed by a 1-hour developer-focused walk-through of the XNAT Code base, with a focus on new features in XNAT 1.6. |
| **10:00** | **Hackathon projects begin** |
| 12:00 | Lunch |
| **12:30** | **Overview of REST API Lead presenter: Tim Olsen** |
|  | A quick, 1-hour developer-focused walkthrough of the REST API, with a focus on new features in XNAT 1.6. |
| **1:30** | **Hackathon projects continue** |
| **4:00** | **XNAT Developer Q&A** |
|  | An open forum to answer questions, with a particular focus on puzzling aspects of XNAT code or functionality.  Feel free to post questions in advance (example: "Why does my XNAT hate me?") on this page: [Attendee Questions](https://wiki.xnat.org/display/Workshop2012Pub/Attendee+Questions) |
| 5:00 | Break for dinner, possibly held off site. Nominations include [Blueberry Hill](http://www.blueberryhill.com/) on the Delmar Loop. |

FRIDAY, JUNE 29 - CONNOR AUDITORIUM, FARRELL BREAKOUT ROOMS

|  |  |
| --- | --- |
| 8:30 | Breakfast |
| **9:00** | **Presentation of XNAT 2.0 preliminary designs and wireframes Lead presenter: Integrity STL** |
|  | Join us in Connor Auditorium for a presentation on the work we have been doing with Integrity, an experienced UI design company based in St Louis, to imagine the next generation of XNAT user experience. |
| **10:00** | **Hackathon projects continue** |
| 12:00 | Lunch |
| **1:00** | **Hackathon projects continue** |
| **3:00** | **End of Developer Workshop** |