Code organization

Our subversion repository can be browsed here:

https://open.med.harvard.edu/svn/shrine

SHRINE follows common subversion conventions for directories within our repository. Of note are:

- **trunk** - contains the active development of the different software components.
- **releases** - contains the releases of the software.

Within the trunk, two directories are important:

- **code** - the Shrine source code
- **ontology** - artifacts related to the Shrine ontology

The **code** directory is the root of a Maven module tree. The following submodules/directories are present:

Directory	Description
adapter	The Shrine adapter; it communicates with a local i2b2 instance and exposes web APIs for Shrine and i2b2 use.
adapter-api	Classes and traits for invoking adapter services both locally and remotely.
auth	Classes and traits related to authorization and authentication.
broadcaster-aggregator	Classes and traits used for broadcasting queries and aggregatign results.
broadcaster-service	A rest API for the broadcaster-aggregator, allowing the broadcaster-aggregator to be located seperately from where queries enter a Shrine network.
client	Code for invoking Shrine APIs, both locally and remotely.
commons	Classes and traits representing messages that may be sent between Shrine nodes, plus parsing and marshalling code for Shrine and i2b2 formats.
config	Code to parse Shrine config files. Depends on Typesafe Config.
crypto	Code related to keystore management, signing, and signature verification.
data-commons	Code shared by Shrine components that work with relational DBs.
deploy	Deployment scripts, useful only to core Shrine developers at HMS.
hms-support	Code specific to the HMS deployment of Shrine.
install	Scripts for installing Shrine on i2b2 VMs.
integration	Integration tests.
ont-support	Code to provide Shrine ontology terms and communicate with i2b2 ontology cells.
proxy	The Shrine proxy; necessary to support the legacy web client and comply with architectural mandates.
service	A rest API that forms an entry point into the Shrine network for queries. It exposes an i2b2-flavored API for use by teh web client, and a rest API for use by Shrine components.
shrine-app	Shrine's application wiring and JAX-RS initialization code.
shrine-webclient	The legacy web client.
test-commons	Code shared by various unit tests.
util	Various utility classes and traits, for things like XML manipulation, dates and times, etc.
utilities/batch-querier	A tool for making a predefined set of queries. Designed for internal HMS use.
utilities/monitor	A tool for monitoring the status of Shrine nodes. Specific to teh HMS deployment.
utilities/scanner	A tool for testing ontology mappings. Designed for internal HMS use.
utilities/utility-commons	Classes and traits shared by various utility modules.
war	Packages a Shrine war capable of exposing the adapter, broadcaster-service, shrine-service, and happy APIs.