

# XNAT Web Services Client Tools

A number of command line tools have been developed to store and retrieve data from XNAT archives.

- **ArcGet**: retrieves image data.
- **ArcRead**: retrieves summary text documents describing imaging data.
- **ArcSim**: retrieves a list of imaging sessions with similar IDs.
- **StoreXML**: writes XML documents to the archive.

Typical usage of the tools looks something like this:

```
ArcGet -host www.xnathost.org -u user -p password -s session1 -s session2
```

This command would retrieve all of the imaging data for two imaging sessions stored in the [www.xnathost.org](http://www.xnathost.org) archive. For detailed usage for each command, type the name of the command followed by '-h'. The command line programs follow the same security policies as the website.

Default login information can be stored in a '.xnatPass' file placed in the user's home directory. The .xnatPass file essentially removes the need to supply the '-u', '-p', and '-host' arguments at the command line. A sample .xnatPass file that connects to the [OASIS project](#) XNAT host is included in the download package. The format for .xnatPass is as follows (where the plus sign indicates the default host):

```
+username@www.xnathost.org=password  
username2@www.xnathost2.org=password2
```

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