



## **XIP Host Reference Implementation v.1.0 Release, January 25th, 2008**

### **XIP Host Installation and User Instructions**

Download and unzip 'xip-reference-impl.zip'.

Following components must be present on your system:

- JDK 1.6
- Ant 1.7

Installation and configuration instructions plus short user manual can be found in `..\xip-referenceimpl\XIP\read.txt` or from the 'Help Contents' when host is running.

Please adjust your display settings accordingly for better UI quality. Preferred color scheme is Windows Classic.

Compliant with "File Access" model of WG23 interfaces (as of September 20<sup>th</sup>, 2007)

#### **New features**

- DICOM query, retrieve, move and insert DICOM
- AIM (annotation objects) query, retrieve, submit
- enable Grid security
- enhanced multi-application management e.g. create new instance of a running application
- enhanced administrative functions e.g. view application's state, input data and produced output

#### **Login**

user name: wustl  
password: 123

#### **Grid**

Release comes with two grid addresses to be used for testing purposes:

DICOM service

`http://crush.bmi.ohio-state.edu:50020/wsrf/services/cagrid/DICOMDataService`

AIM service

`http://crush.bmi.ohio-state.edu:50010/wsrf/services/cagrid/AIMDataService`

#### **WorkList**

XIP Host Reference Implementation comes with a simple worklist functionality. The definition of each worklist entry can be found in:

`..\xip-referenceimpl\XIP\config\test_work_list.xml`

Applications assigned to worklist entries (e.g. RECIST and RECIST\_2) must be first added/registered with XIP Host.

To add 'RECIST' application:

1. Select 'Options / Add application' button from the tool bar
2. Enter application name: RECIST
3. Select path: navigate to `..\xip-reference-impl\XIPApp\bin\RECIST.bat` <OK>
4. Vendor and version are optional

To execute worklist item, click twice worklist entry. Steps that follow:

- DICOM and AIM data is retrieved from caGrid repository to TmpXIP directory
- RECIST application is automatically launched, and dataset displayed.

Note: depending on the quality of the network connection and the volume of the data being retrieved, time to download data, launch RECIST application and display images may take few minutes.

### **SiemensConeDemo example**

Download and unzip 'xip-win32.zip' from

<https://gforge.nci.nih.gov/plugins/scm cvs/cvsweb.php/xip/Developer/Task%202.9%20Prototype%20Code/?cvsroot=xip>

1. Set and modify system variables

- create XIP\_LIB\_PATH variable pointing into `..\xip-win32\bin\release`
- add XIP\_LIB\_PATH to your PATH
- add `..\jre1.6.0_03\bin\client` to your PATH
- add `..\jdk1.6.0_03\jre\bin\server` to your PATH

2. Register SiemensConeDemo application with XIP Host

- Select 'Options / Add application'
- Enter name: e.g. SiemensConeDemo
- Select path: navigate to `..\xip-reference-impl\XIPApp\bin\SiemensConeDemo.bat` <OK>

3. Run SiemensConeDemo:

- use 'C:\' button to find DICOM file(s). Select at least one file.  
Please note SiemensConeDemo does not make a use of selected file(s) and selection is made only to satisfy the condition that dataset must be selected prior to any application launch.
- select 'Launch with' button
- select SiemensConeDemo, right-click then Launch

### **XIPApplication\_WashU\_2 – test application**

XIPApplication\_WashU\_2 is XIP test application. It is used to display messages passed between host and application. It does not have a image rendering capability. It contains buttons panel one could use to trigger events.

### **Contact**

Jaroslav Krych  
Washington University in Saint Louis  
Work: (314) 747-1728