

DICOM Worklist SCU

MIELE: Medical Imaging ELEments

version 1.0.2

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1 General

The purpose of this project is to implement a DICOM Worklist client (SCU).

2 Configuration

2.1 WL Server (SCP)

Define the AE Title, IP address and port.

2.2 MPPS Server (SCP)

Define the AE Title, IP address and port. If your server functions as both WL and MPPS SCP repeat the same configuration parameters for both.

2.3 WL Client (SCU)

Define the AE Title

2.4 Preferences

The Preferences panel available through the main menu allows these settings

SOP Instance UID creation

- default
- DCMTK default

3 Operation

3.1 Query

The top and middle table display query results obtained from the WL server. The Query button is used to issue the Query. To restrict the range of results a variety of filters can be applied to the query. These filters will be translated into DICOM tags to affect the way the server (SCP) returns the results.

3.2 MPPS

The bottom table is used to create (Start button) and update (Complete button or Abort button) each SSP.

4 Conformance statement

The miele-wl-scu application supports the following SOP Classes as an SCU:

VerificationSOPClass	1.2.840.10008.1.1
BasicWorklistManagementService	1.2.840.10008.5.1.4.31
ModalityPerformedProcedureStep	1.2.840.10008.3.1.2.3.3
ModalityPerformedProcedureStepRetrieve	1.2.840.10008.3.1.2.3.4

The miele-wl-scu application will propose presentation contexts for all of the above mentioned supported SOP Classes using any of the transfer syntaxes:

LittleEndianImplicitTransferSyntax	1.2.840.10008.1.2
LittleEndianExplicitTransferSyntax	1.2.840.10008.1.2.1
BigEndianExplicitTransferSyntax	1.2.840.10008.1.2.2