

Prerequisites for the “Advanced XDS” training course

The aim of the use of emulation and testing tools during the training course is to support the theoretical presentations and your understanding of the standards used.

You are asked to install the tools listed below prior to attending the training course. You will be asked to work in groups of max. 3 persons, as such it is sufficient if only one group member brings a laptop with these tools.

1. An XML editor. You may use your own editor (e.g. XML Spy, Oxygen) should you already have one.
2. Please install the latest version of SoapUI, see <https://www.soapui.org/>
3. Please install a GUI based DICOM Editor. You may use your own editor should you already have one, we recommend the use of DVTk: Please visit <http://www.dvtk.org/downloads/>, create an account on that website, and download/install (for use in Windows) the “DICOM definition Files” package and the “DICOM Editor” package (in that order).
4. Please install a GUI based DICOM SCU Storage emulator: You may use your own editor should you already have one, we recommend the use of DVTk: Please visit <http://www.dvtk.org/downloads/> and download/install the “Storage SCU Emulator”.
5. Please install a HL7 version 2 editor: You may use your own editor should you already have one, we recommend the use of either 7Edit (Windows; 21 day free trial license, available at <http://www.7edit.com>) , or HAPI Testpanel (Java; available at <http://hl7api.sourceforge.net/hapi-testpanel/install.html>)

The prerequisites for this training course state that the attendees should have basic knowledge of a number of standards prior to attending this training course, the basics of these standards will not be covered during the training course itself.

- Basic knowledge of DICOM – refresher at <https://vimeo.com/120576103>
- Basic knowledge of HL7 version 2 – refresher at <https://vimeo.com/105005011>
- Basic knowledge of SOAP – tutorial at <https://www.tutorialspoint.com/soap/>
- Basic knowledge of the IHE process – refresher at <https://vimeo.com/104693871>
- Basic knowledge of XDS/XDS-I/XCA/XCA-I – refresher at <https://www.youtube.com/watch?v=DSQ7uKVzBac> and <https://www.youtube.com/watch?v=GKk-zWZeNAM>