

# Application Profiling and Testing Tutorial

This is a tutorial explaining how to build an Application Profile and to test conformance using Telcert Tools. This tutorial is based on the Europortfolio Application Profile.



<http://www.opengroup.org/telcert/>

## How to modify

How to modify the base schema using [Schemaprof](#)

<http://iwm.uni-koblenz.de/schemaprof/download.html>] from Koblenz University:

1. [Starting a new AP \[open-new-load-schemaprof.htm\]](#)
2. [Adding a cardinality modification with an annotation \[cardinality-modification-schemaprof.htm\]](#)
3. [Adding a new vocabulary list for an attribute \[vocabulary-modification-schemaprof.htm\]](#)

## How to produce derived schema

How to build the Application Profile using Apple [SchemaTransformTool](#)

<http://iwm.uni-koblenz.de/schemaprof/distributions/plugins/>] plug-in for Schemaprof:

1. [Using the Apple SchemaTransformTool Plugin for Schemaprof \[using-stt-plugin-schemaprof.htm\]](#)

## How to create instances, build content

How to build a new eportfolio instance using this AP with [CRT \[../crt/\]](#) from Bolton University:

1. [Deploying your AP in CRT \[configure-ap-crt.htm\]](#)
2. [Creating a new instance using CRT \[create-instance-crt.htm\]](#)
3. [Setting a Content Package AP in CRT to be able to use the CP edition feature \[configure-ap-cp-crt.htm\]](#)
4. [Using advanced CP edition feature of CRT with ePortfolio \[create-instance-cp-crt.htm\]](#)

## How to test conformance and analyze results

How to test your instance using the Telcert [Test System](#)

<http://testing.opengroup.org:8080/tsTELCERT1.3/>] from The OpenGroup:

1. Uploading your AP [testsystem-loadprofile.htm] (using Test System 1.4)
2. Uploading your instance [testsystem-loadcontent.htm] (using Test System 1.4)
3. Setting a new test session [testsystem-setsession1.htm] (using Test System 1.4)
4. Launching the session and seeing results [testsystem-testrun1.htm] (using Test System 1.4)
5. Full scenario : creating a bad content package with several errors (related to packaging, xml file structure and the application profile itself) and test it with the test system (using Test System 1.3) [testsystem-testrun2.htm] (5,8 Mb flash file, be patient...)

## Annexes

- Demo Application Profile schemaprof file [demoap.xml].
- Base IMS portfolioep schema [imsportfolioep\_v1po.xsd].
- Application Profile Folder [demoap.zip] to use with CRT.
- First well formed ePortfolio content package [demoapinstance.zip].
- Second ePortfolio content package [demoapinstance2.zip] including errors (used in the Full Scenario).