

Introduction to the sw6.xmlvalidator tool

sw6b, 20-04-2011 – covers sw6.xmlvalidator.1.0

As covered in [sw6.lib.1.0.documentation](#), to insert new settings into the administration module, a **settings.xml** file must be created and placed in the **/assets** folder of an application. The **sw6.xmlvalidator** tool has been developed to help check if the structure and content of the **settings.xml** is valid. In this way, we hope the tool helps each group to save some time wondering why settings do not show up in the administration module.

Getting Started

The tool has been developed using a Java SE library of version 1.6 – so, please ensure that a JRE/JDK of this version is installed.

Linux/Windows:

Download: <http://sw6android.lcdev.dk/sw6b.xmlvalidator/sw6.xmlvalidator.1.0.jar>

```
java -jar sw6.xmlvalidator.1.0.jar settings.xml
```

Windows:

Download: <http://sw6android.lcdev.dk/sw6b.xmlvalidator/sw6.xmlvalidator.1.0.exe>

Drag an xml file on to **sw6.xmlvalidator.1.0.exe** file (the sheep icon). A command prompt should appear, and the tool starts.

Functionality

The tool provides the following functionality:

- Auto-check for new version on startup.
- Checks **settings.xml** against the Document Type Definition (DTD) documented in [sw6.xmllayout.1.0.documentation](#).
- Checks for duplicated pairs of variables with the same name and type. (Yes, we allow multiple variables of the same name as long as the type is different.)
- Checks for different logic, such as if **min** and **max** boundaries are complied with, if different important tags such as **varName** (identifier of a variable) contains more than the empty string, if the correct types are applied, and a lot more of logic rules.
- It is possible to run the tool in silent mode by writing **--silent** as command line argument. This will enforce that only errors and warnings are printed out. The output will be directed to std.err. This makes the tool useful for server side checks of the **settings.xml** file.

Typical Issues

- Working in offline-mode

- It is possible to use this tool in offline-mode. However, to function correctly, the user must remember to change the DTD URL in the header of **settings.xml**. If this is not done an error like:

EXCEPTION: [java.net.UnknownHostException](#): sw6android.lcdev.dk

... will be shown and stop the operation of the tool.

- To work in offline mode, do the following:
 - Get a copy of the recent **settings.dtd**.
 - Edit the header of your **settings.xml** file from:

```
<!DOCTYPE settings PUBLIC "-//SW6B//DTD  
settings.xml//sw6.xmlvalidator"  
"http://sw6android.lcdev.dk/sw6b.xmlvalidator/settings.dtd">
```

to:

```
<!DOCTYPE settings PUBLIC "-//SW6B//DTD  
settings.xml//sw6.xmlvalidator" "/yourLocalPath/settings.dtd">
```
 - Make sure your network cards are turned off as this will make the check for new versions fail within milliseconds, and the tool will continue validating your file.

Bug Report / Feature Request

Please report bugs and feature requests using: <http://code.google.com/p/sw6android/issues/list>