ASPIRE RFID Coding guidelines
Coding guidelines

Guideline summary

Namespaces

Trunk and branches Sources must be prefixed by the following namespaces.

- Java : `org.ow2.aspirerfid`
- Bundles symbolic names : `org.ow2.aspirerfid`
- OSGi service.pid prefix: `org.ow2.aspirerfid`
- JMX ObjectNames for end-to-end management:
  `org.ow2.aspirerfid:type=component,name=concern`
- C# : `Org.Ow2.AspireRfid`
- PHP : TODO
- XML (XML Schema) : TODO
- WebServices (WSDL, ...) : TODO
- ...

Sandboxes

- Java : `org.ow2.aspirerfid.sandbox`
- Bundles symbolic names : `org.ow2.aspirerfid.sandbox`
- C# : `org.ow2.aspirerfid.sandbox`
- PHP : TODO
- XML (XML Schema) : TODO
- WebServices (WSDL, ...) : TODO
- ...

Sub project group and artifact ids

Names and ids must be prefixed by the following namespaces.

- Artifact/bundle names : `OW2 :: AspireRFID ::`
- Artifact ids : `org.ow2.aspirerfid.`

Files

Two mandatory files (NOTICE and LICENSE) must be provided in each project directory

- `NOTICE` contains the description of the dependencies and their licenses.
- `LICENSE` contains the license text.

Those files are automatically added in the artifact after the package phase NOTICE file

`OW2 :: AspireRFID :: Foobar Reader Copyright 2008-2010 OW2 AspireRFID Project`

```
http://wiki.aspire.ow2.org I. Included Software This product includes software developed at The
OW2 Consortium (http://www.ow2.org/). Licensed under the LGPL v2.1. II. Used Software This
product uses software developed at the FooBar project (http://code.foo.org/bar). licensed under
the Apache License 2.0. This product uses software developed at the TicTac project
(http://code.tic.org/tac). licensed under the LGPL v2.1. III. License Summary - LGPL v2.1
```

LICENSE file

Beginning comments

All source files (Java, XML, ...) must begin with the comments shown in the following code sample.

```
/** * Copyright (c) 2008-2010, AspireRFID * * This library is free software; you can
redistribute it and/or * modify it either under the terms of the GNU Lesser General Public *
License version 2.1 as published by the Free Software Foundation * (the "LGPL"). If you do not
alter this * notice, a recipient may use your version of this file under the LGPL. * * You
should have received a copy of the LGPL along with this library * in the file COPYING-LGPL-2.1;
if not, write to the Free Software * Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA
02111-1307 USA * * This software is distributed on an "AS IS" basis, WITHOUT WARRANTY * OF ANY
KIND, either express or implied. See the LGPL for * the specific language governing rights and
limitations. * * Contact: AspireRFID mailto:aspirerfid@ow2.org */
```

Checkstyle

Dependencies license compatibility and tracking

Open Source License Checker (oslc) is a tool for inspection and analysis of licence information from open source packages. It audits a code base and provide licenses conflicts. USE IT !

The dependencies must be listed in the NOTICE file.

References

- Java Code Conventions - Sun Microsystems, Inc. No ref. number, only hyperlink:
  http://java.sun.com/docs/codeconv/
- How to Write Doc Comments for JavaDoc - Sun Microsystems, Inc.
  http://java.sun.com/products/jdk/javadoc/writingdoccomments.html
- JavaDoc homepage - Sun Microsystems, Inc. http://java.sun.com/products/jdk/javadoc

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