GuideLines EAR Build

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Environment Configuration

Maven

Installation

- **Name:** Apache Maven
- **Version:** 2.2.1
- **References:** http://maven.apache.org/docs/2.2.1/release-notes.html

Configuration

Substitute the default **settings.xml** (http://maven.apache.org/settings.html) with this one:

```
https://svn.bansel.it/h2o/BuildPlatform/continuous-integration-utility/trunk/m
```

New Project configuration

General

Project must have a standard **Apache Maven** and follow the related guidelines

References

- http://maven.apache.org/guides/index.html
- http://maven.apache.org/guides/introduction/introduction-to-the-lifecycle.html
- http://maven.apache.org/guides/introduction/introduction-to-the-pom.html
- http://maven.apache.org/guides/introduction/introduction-to-the-standard-directory-layout.html
- http://maven.apache.org/guides/introduction/introduction-to-dependency-mechanism.html
- http://maven.apache.org/guides/mini/guide-naming-conventions.html

Main POM

Main POM (project root folder pom.xml file) must include specific definition in order to be compatible with centralized environment.

Parent POM inclusion

```
<parent>
    <groupId>it.sella.buildplatform</groupId>
    <artifactId>build-master-parent</artifactId>
    <version>2.0.0</version>
</parent>
```

Application module

This module contains the deployable unit of the project, in the case the EAR.

Weblogic APPC execution

```
<build>
    <plugins>
        <plugin>
            <groupId>org.codehaus.mojo</groupId>
            <artifactId>weblogic-maven-plugin</artifactId>
            <executions>
                <execution>
                    <phase>package</phase>
                    <goals>
                        <goal>appc</goal>
```

```
                        </goals>
                    </execution>
                </executions>
            </plugin>
        </plugins>
    </build>
```

Migrations

From Weblogic 10.3.3.0 to 12.1.2.0.0

Project configuration

Main POM changes

Version of parent inside your pom

Change the version of build-master-parent in your pom.xml from

```
<parent>
    <groupId>it.sella.buildplatform</groupId>
    <artifactId>build-master-parent</artifactId>
    <version>1.0.0</version>
</parent>
```

to

```
<parent>
    <groupId>it.sella.buildplatform</groupId>
    <artifactId>build-master-parent</artifactId>
    <version>2.0.0</version>
</parent>
```

Java Version in maven-compiler-plugin

The Java version configuration for **maven-compiler-plugin** can be removed completely as it is managed by the parent pom of buildplatform. So this:

```
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-compiler-plugin</artifactId>
            <configuration>
                <source>1.6</source>
                <target>1.6</target>
            </configuration>
        </plugin>
```

will become

```
```

Weblogic APPC support

Change your **weblogic-maven-plugin** by removing the plugin entry from your project pom.xml. So this:

```xml
<plugin>
    <groupId>org.codehaus.mojo</groupId>
    <artifactId>weblogic-maven-plugin</artifactId>
    <version>2.9.1-WLS11G</version>
    <dependencies>
        <dependency>
            <groupId>weblogic</groupId>
            <artifactId>weblogic-plugin-dependencies</artifactId>
            <version>10.3.3.0</version>
            <type>pom</type>
        </dependency>
    </dependencies>
</plugin>
```

will become

```
```

Application Module POM changes

Weblogic APPC execution

Change your **weblogic-maven-plugin** entry for execution from:

```xml
<build>
    <plugins>
        <plugin>
            <groupId>org.codehaus.mojo</groupId>
            <artifactId>weblogic-maven-plugin</artifactId>
            <version>2.9.1-WLS11G</version>
            <executions>
                <execution>
                    <phase>package</phase>
                    <goals>
                        <goal>appc</goal>
                    </goals>
                </execution>
            </executions>
        </plugin>
    </plugins>
</build>
```

to:

```xml
<build>
    <plugins>
        <plugin>
            <groupId>org.codehaus.mojo</groupId>
            <artifactId>weblogic-maven-plugin</artifactId>
            <executions>
                <execution>
                    <phase>package</phase>
                    <goals>
                        <goal>appc</goal>
                    </goals>
                </execution>
            </executions>
        </plugin>
    </plugins>
</build>
```

by just removing the <version> tag.

If required, extra configuration can be included. For example:

```xml
<build>
    <plugins>
        <plugin>
            <groupId>org.codehaus.mojo</groupId>
            <artifactId>weblogic-maven-plugin</artifactId>
            <configuration>
                <contextUri>mycontext</contextUri>
                <earName>${pom.artifactId}.ear</earName>
                <verbose>true</verbose>
                <earSourceIncludes>
                    META-INF/application.xml
                    META-INF/weblogic-application.xml
                </earSourceIncludes>
            </configuration>
            <executions>
                <execution>
                    <phase>package</phase>
                    <goals>
                        <goal>appc</goal>
                    </goals>
                </execution>
            </executions>
        </plugin>
    </plugins>
</build>
```

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