

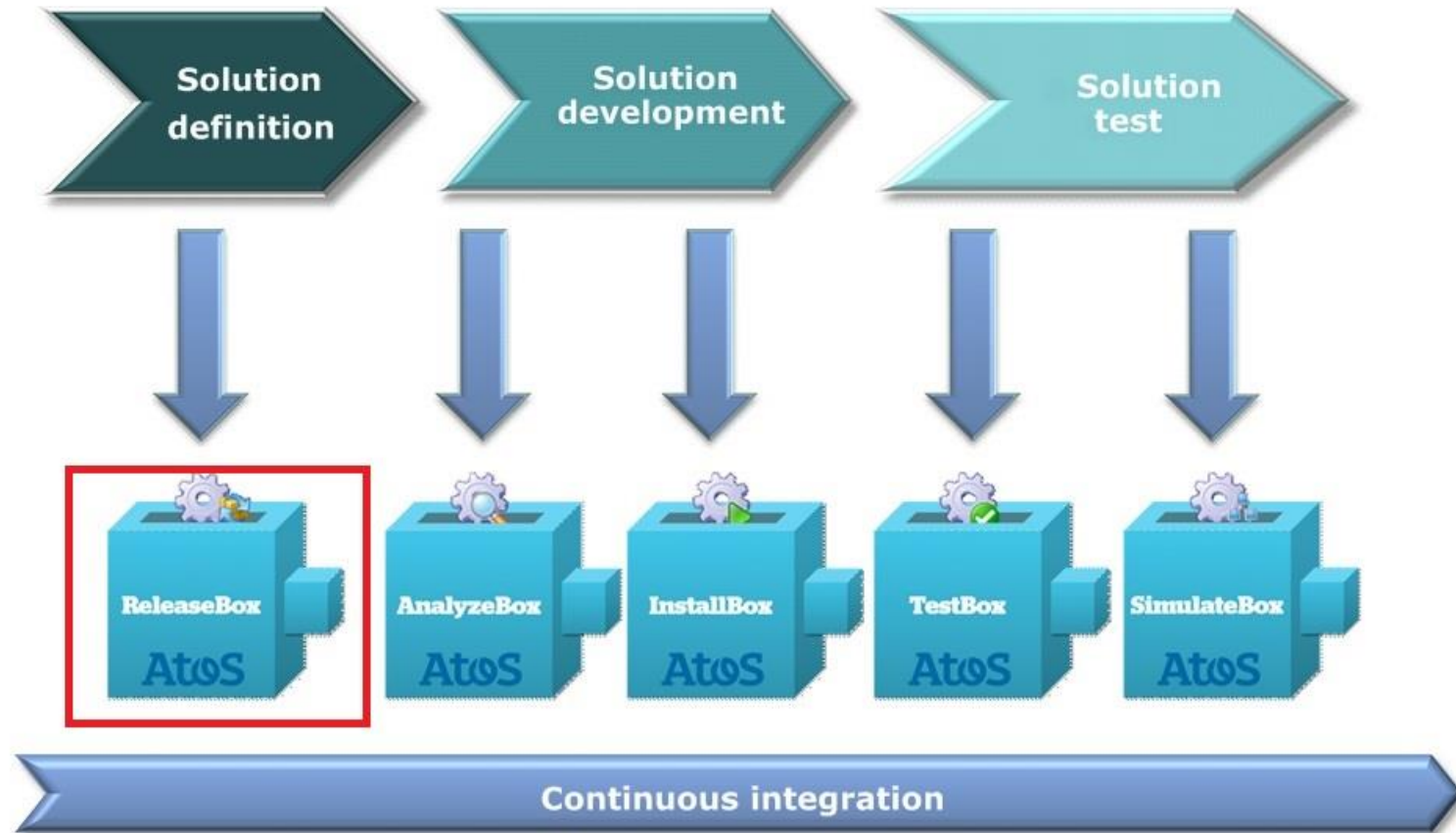


Secure releasing of assets with ReleaseBox

June 2016

An industrial offer

Complete cover of a project lifecycle



ReleaseBox: Secure releasing of assets

Presentation

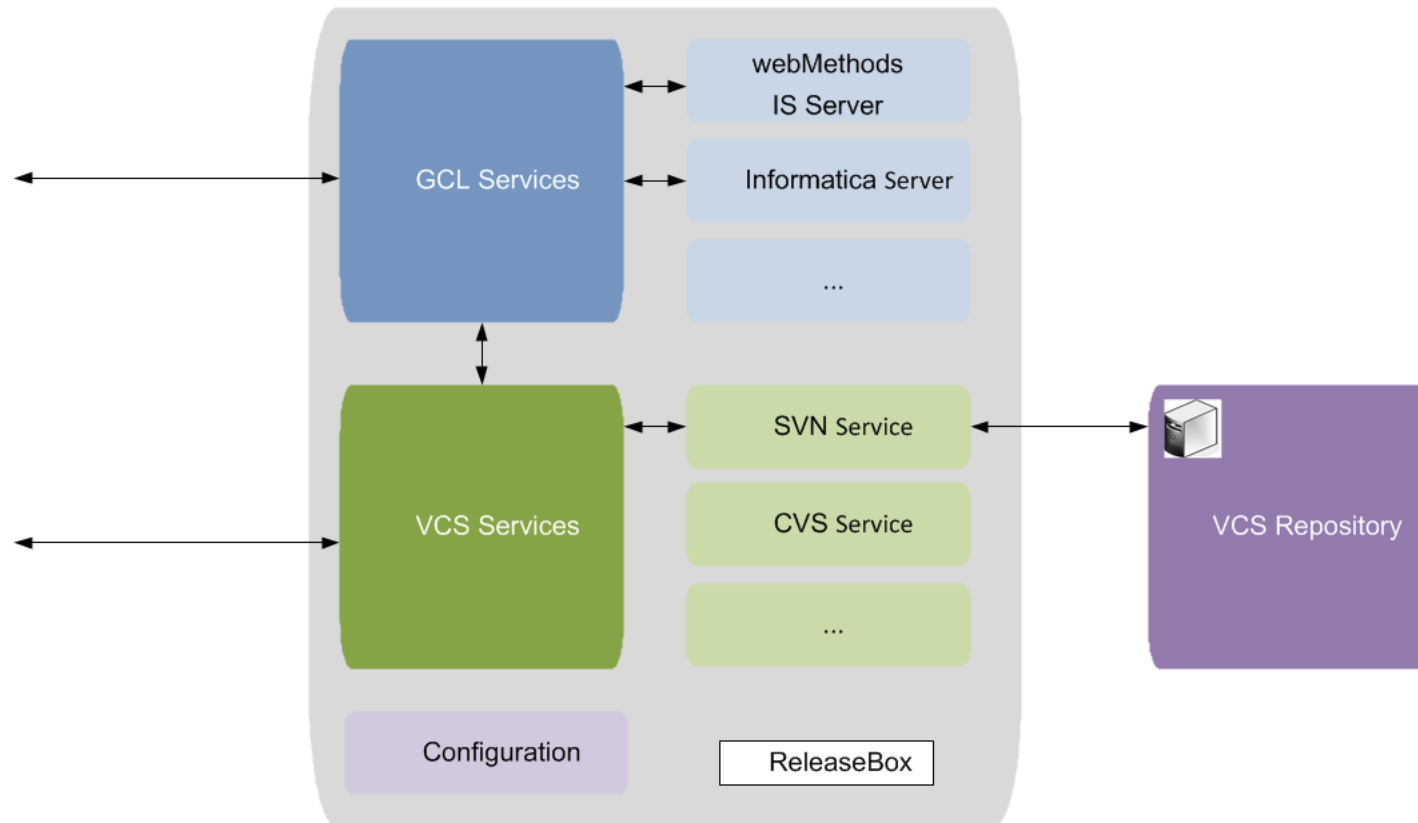


- Provides the configuration management of webMethods or Informatica packages
 - SVN server is used to manage the packages sources
 - Development server is used to develop the packages sources
 - Reference server is used to generate the delivered binary packages
- Written in Java, multi platforms (Windows, Linux, AIX, Solaris, ...)
- Atos product under license



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Architecture

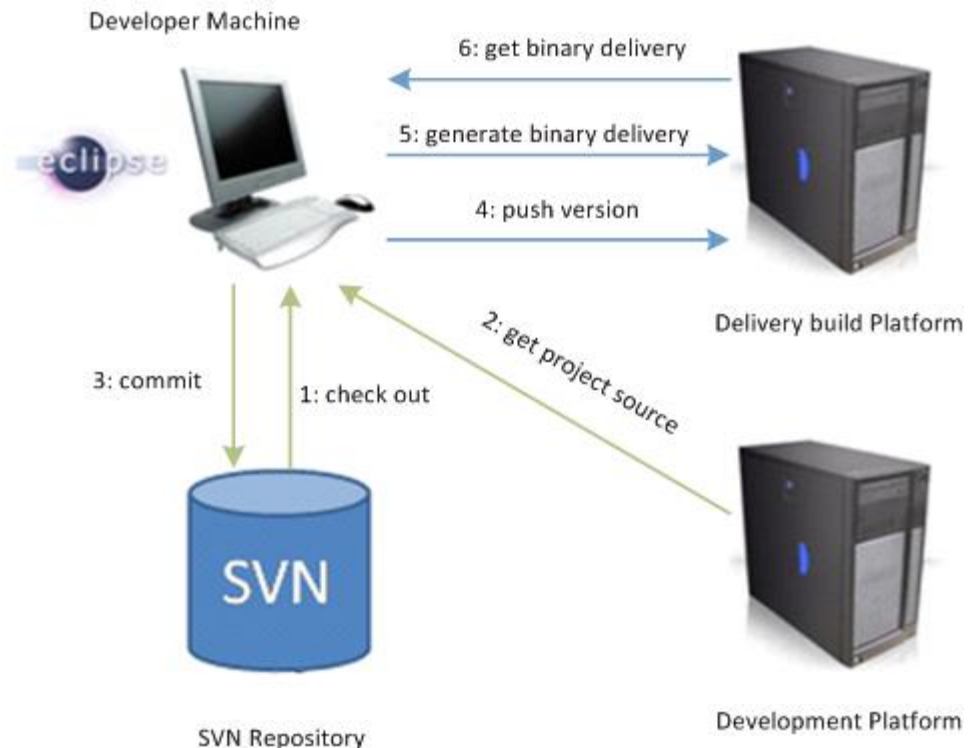


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Operating principle



- Create developer environment from the SVN repository,
- Modify the project source,
- Get project source from the development machine,
- Commit the modification in the SVN repository,
- Push the project source into the reference or delivery machine,
- Generate the binary package on the reference or delivery machine,
- Get the binary package from the reference or delivery machine.



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How to use



- One configuration file to customize : **gclconf.xml**
- Three Ant scripts files to :
 - **Initialize/update the local workspace**: get the **source development files** (webMethods, Informatica) from the **Development machine** to the **local workspace**, in order to initialize/update the **SVN repository**
 - **Initialize/update the Reference machine** : push the **source development files** (webMethods, Informatica) from the **local workspace** to the **Reference machine**
 - **Build and Get the binary package** : push the **source development files** (webMethods, Informatica) from the **SVN repository** to the **Reference machine**, generate the binary packages on the **Reference machine**, and get in the **local workspace** the **binary packages** (webMethods, Informatica) generated on the **Reference machine**

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webMethods configuration



- Definition of the SVN repository parameters

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<properties>
  <gcl>
    <services>
      <vcs class="com.atos.vcs.services.svn.Service" name="svnSvc">
        <!-- Configuration de la connexion au repository -->
        <connexion>
          <baseUrl>http://192.168.4.42/svn/RBusPilote</baseUrl>
          <repositoryPath>trunk</repositoryPath>
          <login>rbusgcl</login>
          <_passwd_>rbusgcl</_passwd_>
        </connexion>
      </vcs>
    </services>
  </gcl>
</properties>
```

- Definition of the FTP parameters of Development and Reference machines

```
<synchro class="com.atos.gcl.services.synchro.ftp.Service" name="synchroFtpSvc">
  <local>
    <baseWorkDir relative="true">.</baseWorkDir>
    <flagDeletedDir status="true"/>
  </local>
  <remote>
    <source>
      <ip>192.168.4.42</ip>
      <port>22</port>
      <user>sagadmin</user>
      <_password_>sagadmin</_password_>
      <sftp>true</sftp>
      <separator>/</separator>
    </source>
    <target>
      <ip>192.168.4.43</ip>
      <port>22</port>
      <user>sagadmin</user>
      <_password_>sagadmin</_password_>
      <sftp>true</sftp>
      <separator>/</separator>
    </target>
  </remote>
</synchro>
```

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webMethods configuration



- Definition of parameters of Development and Reference machines

```
<appserver class="com.atos.gcl.appserver.wm.is.Server" name="isAppServer">
  <source>
    <!-- Configuration environnement de dev pour le retrieve -->
    <ip>192.168.4.42</ip>
    <port>5555</port>
    <user>Administrator</user>
    <__password__>manage</__password__>
    <home>/apps/softwareag/IntegrationServer</home>
  </source>

  <target>
    <!-- Configuration environnement de reference pour le put et les builds -->
    <ip>192.168.4.43</ip>
    <port>5555</port>
    <user>Administrator</user>
    <__password__>manage</__password__>
    <home>/apps/softwareag/IntegrationServer</home>
  </target>
</appserver>
</services>
```


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webMethods configuration



- Definition of the components to manage

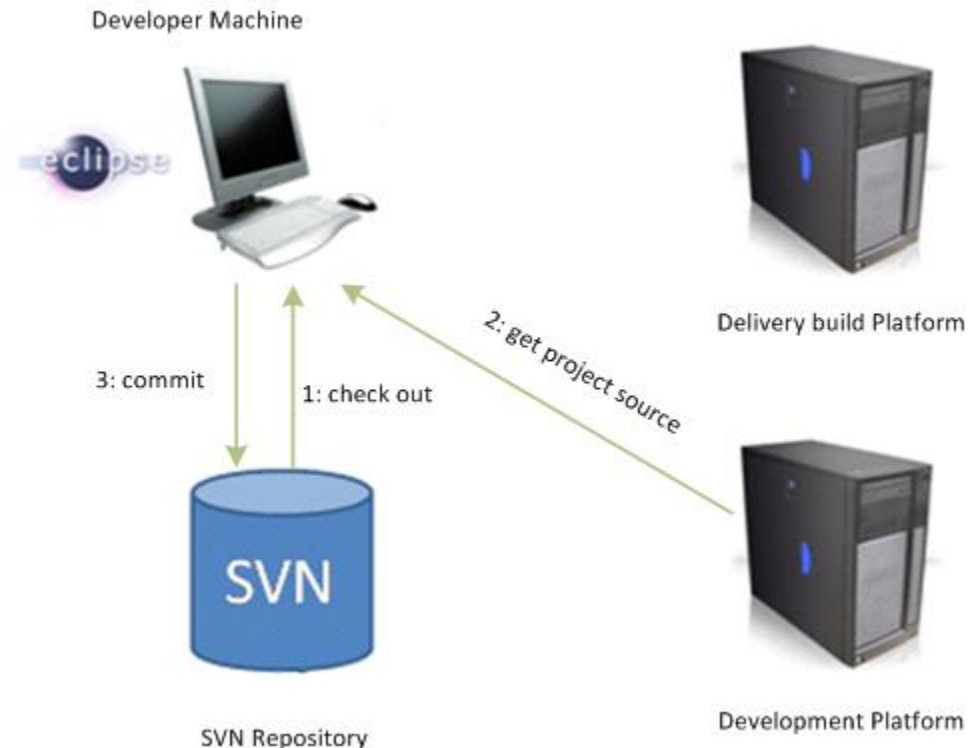
```
<module appserverName="isAppServer" name="is">
  <extendedSettings>
    <extendedSetting name="watt.aa.properties.folder" />
  </extendedSettings>
  <groups>
    <group name="groupPilote" />
  </groups>
  <users>
    <user name="piloteGcl" />
  </users>
  <acls>
    <acl name="aclPilote" />
  </acls>
  <packages>
    <package name="AARCYSY_ServicesPublics"/>
    <package name="AARCYSY_Connection"/>
  </packages>
  <builds>
    <build name="AARCYSY_ISPKG_ESB"
      projectAutomatorFile="templates/livraison/builds/ProjectAutomator_AARCYSY_ISPKG_ESB.xml"
      deliveryPath="is/pkg"
      mapFile="templates/livraison/maps/AARCYSY_ISPKG_ESB.map"
      vsFile="templates/livraison/maps/AARCYSY_ISPKG_ESB.vs"
      buildExtension="" />
  </builds>
  <vcs>
    <repositoryRelatifPath>/src/is/BYPackages</repositoryRelatifPath>
  </vcs>
  <synchro>
    <local>
      <baseWorkRelatifDir>BYPackages</baseWorkRelatifDir>
    </local>
  </synchro>
</module>
```

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Initialize/update the local workspace



- Manually checkout the source files from the **SVN repository** to the **local workspace**,
- Modify the project sources on the **Development machine**,
- Automatically copy the **source files** from the **Development machine** to the **local workspace**,
- Manually Check-in (or Commit) the **source files** from the **local workspace** to the **SVN repository**.

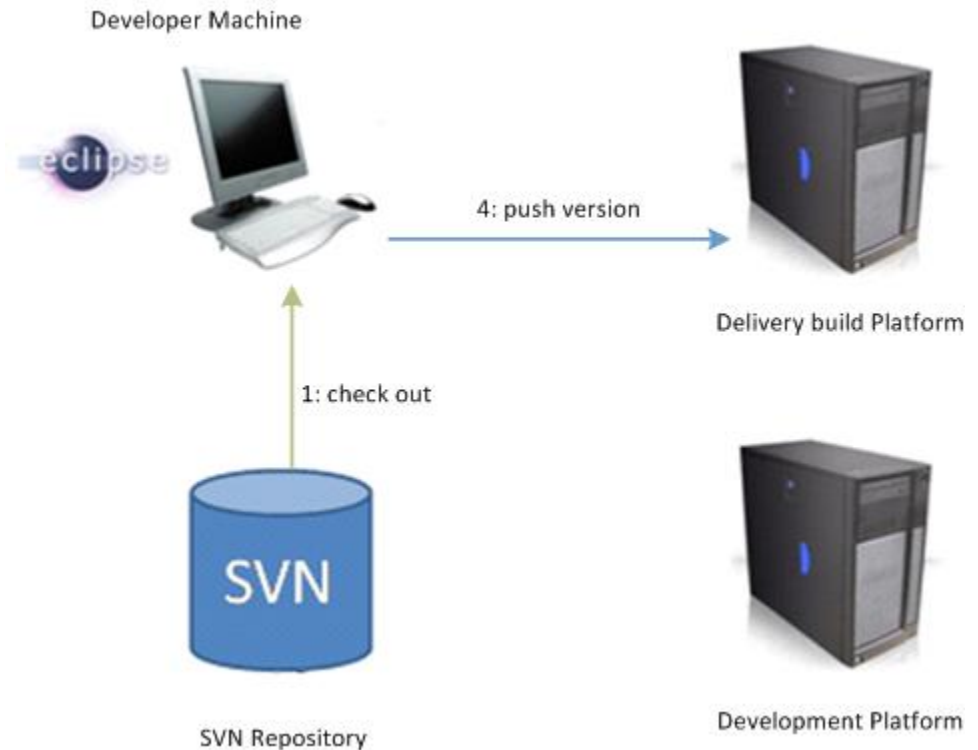


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Initialize the Reference machine



- Manually check-out the **source files** in the **local workspace** from the **SVN repository**,
- Automatically push the **source files** from the **local workspace** to the **Reference machine**.



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webMethods configuration



- Provide **templates** of configuration files to compile different kinds of **sources developments** and generate associated **builds** :
 - **ProjectAutomator_ISCNF** : template of **IS configuration development**
 - **ProjectAutomator_ISPKG** : template of **IS package development**
 - **ProjectAutomator_MWSCAF** : template of **CAF GUI development**
 - **ProjectAutomator_PROCESS** : template of **IS Process development**
- Syntax of **deployment set** is defined in the **ProjectAutomator.xsd** file
- Template should be customized to define **build**, list of **packages** to include in the **build**, and the **alias** of the **Reference machine**

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webMethods configuration



- Customize **ProjectAutomator_ISPKG.xml**

```
<Projects projectPrefix="">
  <Project name="@projectName@" description="Project generated with projectAutomator on myDate" overwrite="true">
    <DeploymentSet name="myDeploymentSet" description="is deployment set" packageRegExp=""
      otherRegExp="" type="IS" mode="Deploy" srcAlias="ISSource" defaultDependencyAction="exists">
      <!-- Liste des packages -->
      <Package name="SupoAnalyse" srcAlias="ISSource"/>
      <Package name="SupoCollecte" srcAlias="ISSource"/>
      <Package name="SupoCommun" srcAlias="ISSource"/>
      <Package name="SupoDBVision" srcAlias="ISSource"/>
      <Package name="SupoIHM" srcAlias="ISSource"/>
    </DeploymentSet>
    <DeploymentBuild name="@buildName@"
      description="build gÃ©nÃ©rÃ© par projectAutomator"/>
    <DeploymentMap name="map" description="map"/>
    <MapSetMapping mapName="map" setName="myDeploymentSet">
      <alias>ISSource</alias>
    </MapSetMapping>
  </Project>
</Projects>
```

- Project@description : **build** description
- Project/DeploymentSet/Package@name : list of **packages** to include in the **build**

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webMethods configuration



- Customize **Developpement.map**

```
<DeploymentSet name="myDeploymentSet" pluginType="IS">
  <targetServers>
    <targetServer alias="$targetAlias"/>
  </targetServers>
</DeploymentSet>
```

- targetServer@alias : alias of the **Reference machine**

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webMethods configuration



- Links inside **gclconf.xml**

```
<project name="BYProject" synchroSvcName="synchroFtpSvc" vcsSvcName="svnSvc">
  <modules>
    <module appserverName="isAppServer" name="is">
      <extendedSettings>
        <extendedSetting name="watt.aa.properties.folder" />
      </extendedSettings>
      <groups>
        <group name="groupPilote" />
      </groups>
      <users>
        <user name="piloteGcl" />
      </users>
      <acls>
        <acl name="aclPilote" />
      </acls>
      <packages>
        <package name="AARCYSY_ServicesPublics"/>
        <package name="AARCYSY_Connection"/>
      </packages>
      <builds>
        <build name="AARCYSY_ISPKG_ESB"
          projectAutomatorFile="templates/livraison/builds/ProjectAutomator_AARCYSY_ISPKG_ESB.xml"
          deliveryPath="is/pkg"
          mapFile="templates/livraison/maps/AARCYSY_ISPKG_ESB.map"
          vsFile="templates/livraison/maps/AARCYSY_ISPKG_ESB.us"
          buildExtension="" />
      </builds>
      <vcs>
        <repositoryRelatifPath>/src/is/BYPackages</repositoryRelatifPath>
      </vcs>
      <synchro>
        <local>
          <baseWorkRelatifDir>BYPackages</baseWorkRelatifDir>
        </local>
      </synchro>
    </module>
  </modules>
</project>
```

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Build and Get the binary package



- Check-out automatically the **source files** in the **local workspace** from the **SVN repository**,
- Push automatically the **source files** from the **local workspace** to the **Reference machine**,
- Build automatically the binary packages on the **Reference machine**,
- Get automatically the binary packages (deliverables) from the **Reference machine**.

