

Ant Tasks

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JAIN SLEE includes some tasks for Apache Ant, which can be used for common management tasks done through , when the container is running. The tasks come bundled in `$JBOSS_HOME/server/default/deploy/restcomm-slee/lib/ant-tasks.jar`. To use these, the Ant script must include the following code:

```
<property environment="system" />
<property name="node" value="default" />
<property name="jboss.deploy" value="${system.JBOSS_HOME}/server/${node}/deploy" />

<path id="project.classpath">
  <fileset dir="${jboss.deploy}/restcomm-slee/lib">
    <include name="*.jar" />
  </fileset>
  <fileset dir="${system.JBOSS_HOME}/client">
    <include name="*.jar" />
  </fileset>
</path>

<property name="project.classpath" refid="project.classpath" />

<property name="jnpHost" value="127.0.0.1" />
<property name="jnpPort" value="1099" />

<taskdef name="slee-management"
  classname="org.mobicenss.ant.MobicentsManagementAntTask"
  classpath="${project.classpath}" />
```

It is important to understand some properties set by the code above:

node

This property defines the server configuration profile to be used, for further information about those refer to [\[server_profiles\]](#).

jnpHost

The host/ip which Restcomm JAIN SLEE is bound.

jnpPort

The port which the JMX Agent is listening.



The property values can be overridden when invoking the Ant script. To do this, use the parameter `-DpropertyName=propertyValue`. For example, the server profile can be changed from `default` to `all` using `-Dnode=all`.

SLEE Management Task

The `slee-management` task allows a script to manage JAIN SLEE deployable units, services and resource adapters. The operations, or sub-tasks, are done through .

```
<slee-management jnpport="${jnpPort}" host="${jnpHost}">
  <!-- sub-tasks -->
</slee-management>
```

The attributes have the same meaning as the properties listed in the script code to import the tasks here: [\[management_tools_ant_tasks\]](#).

Install Deployable Unit Sub-Task

The `install` sub-task installs JAIN SLEE the deployable unit jar pointed by the value of attribute `url`. Example of usage:

```
<slee-management jnpport="${jnpPort}" host="${jnpHost}">
  <install url="file:///tmp/my-deployable-unit.jar" />
</slee-management>
```

Uninstall Deployable Unit Sub-Task

The `uninstall` sub-task uninstalls JAIN SLEE the deployable unit jar which was installed from the value of attribute `url`. Example of usage:

```
<slee-management jnpport="${jnpPort}" host="${jnpHost}">
  <uninstall url="file:///tmp/my-deployable-unit.jar" />
</slee-management>
```

Activate Service Sub-Task

The `activateservice` sub-task activates an already installed JAIN SLEE service, with the id specified by the value of attribute `componentid`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <activateservice
    componentid="ServiceID[name=FooService,vendor=org.mobicents,version=1.0]" />
</slee-management>
```

Deactivate Service Sub-Task

The `deactivateservice` sub-task deactivates an already installed JAIN SLEE service, with the id specified by the value of attribute `componentid`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <deactivateservice
    componentid="ServiceID[name=FooService,vendor=org.mobicients,version=1.0]" />
</slee-management>
```

Create Resource Adaptor Entity Sub-Task

The `createraentity` sub-task creates the resource adaptor entity with the name specified by the value of attribute `entityname`, for an already installed JAIN SLEE resource adaptor, with the id specified by the value of attribute `componentid`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <createraentity
    componentid="ResourceAdaptorID[name=FooRA,vendor=org.mobicients,version=1.0]"
    entityname="FooRA" />
</slee-management>
```

Remove Resource Adaptor Entity Sub-Task

The `removeraentity` sub-task removes the resource adaptor entity with the name specified by the value of attribute `entityname`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <removeraentity entityname="FooRA" />
</slee-management>
```

Activate Resource Adaptor Entity Sub-Task

The `activateraentity` sub-task activates the resource adaptor entity with the name specified by the value of attribute `entityname`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <activateraentity entityname="FooRA" />
</slee-management>
```

Deactivate Resource Adaptor Entity Sub-Task

The `deactivateraentity` sub-task deactivates the resource adaptor entity with the name specified by the value of attribute `entityname`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <deactivateraentity entityname="FooRA" />
</slee-management>
```

Bind Resource Adaptor Link Sub-Task

The `bindralinkname` sub-task binds the resource adaptor link with the name specified by the value of attribute `linkname`, for an already active JAIN SLEE resource adaptor entity, with the name specified by the value of attribute `entityname`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <bindralinkname entityname="FooRA"
    linkname="FooRA" />
</slee-management>
```

Unbind Resource Adaptor Link Sub-Task

The `unbindralinkname` sub-task unbinds the resource adaptor link with the name specified by the value of attribute `linkname`. Example of usage:

```
<slee-management host="${jnpHost}" jnpport="${jnpPort}">
  <unbindralinkname linkname="FooRA" />
</slee-management>
```