

## Ant Tasks

# Table of Contents

SLEE Management Task .....	2
Install Deployable Unit Sub-Task .....	2
Uninstall Deployable Unit Sub-Task .....	2
Activate Service Sub-Task .....	2
Deactivate Service Sub-Task .....	3
Create Resource Adaptor Entity Sub-Task .....	3
Remove Resource Adaptor Entity Sub-Task .....	3
Activate Resource Adaptor Entity Sub-Task .....	3
Deactivate Resource Adaptor Entity Sub-Task .....	4
Bind Resource Adaptor Link Sub-Task .....	4
Unbind Resource Adaptor Link Sub-Task .....	4

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.mobicents.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>
```