

Configuring the SAE to Send Tracking Events to the SRC-VTA

The SRC-VTA communicates with the SAE through the Enterprise JavaBean (EJB) adapter plug-in. This plug-in is an SAE plug-in and performs the following functions:

- Filters SAE plug-in events for the SRC-VTA.
- Adapts internal SAE events to EJB-compatible methods.
- Sends SAE tracking plug-in events to the SRC-VTA.

To configure the EJB adapter plug-in:

1. From configuration mode, access the EJB adapter plug-in configuration. In this sample procedure, the EJB adapter plug-in called QuotaVTA is configured in the nw-area SAE group.

```
user@host# edit shared sae group nw-area configuration plug-ins name QuotaVTA  
ejb-adaptor
```

2. Configure the class name of the J2EE application server's JNDI service provider.

```
[edit shared sae group nw-area configuration plug-ins name QuotaVTA ejb-adaptor]  
user@host# set jndi-service-provider jndi-service-provider
```

3. Configure the URL of J2EE application server that is running JNDI service.

```
[edit shared sae group nw-area configuration plug-ins name QuotaVTA ejb-adaptor]  
user@host# set application-server-url application-server-url
```

4. Configure the JNDI name of the SAEEventListener EJB of the peer VTA.

```
[edit shared sae group nw-area configuration plug-ins name QuotaVTA ejb-adaptor]  
user@host# set jndi-sae-event-listener jndi-sae-event-listener
```

5. (Optional) Configure the LDAP filter that determines the subscriber and service events that the EJB adapter plug-in sends to the VTA. If you specify plug-in attributes in this field, you must include the same attributes in the attributes option.

```
[edit shared sae group nw-area configuration plug-ins name QuotaVTA ejb-adaptor]  
user@host# set event-admitter event-admitter
```

Table 1 on page 1 lists the values that you can use for LDAP filter strings.

Table 1: Settings for Filter Strings

Filter String	Action
()	Matches no objects
(*)	Matches all objects

Table 1: Settings for Filter Strings (continued)

Filter String	Action
List of < attribute > = < value > pairs	<ul style="list-style-type: none"> ■ If < value > is *, checks for any value.
< attribute > —Name of a property or attribute < ldapAttributeName >	<ul style="list-style-type: none"> ■ If < value > is an explicit string, checks whether any value of the property matches the string, regardless of case.
< value > —One of the following: <ul style="list-style-type: none"> ■ * (asterisk) ■ Explicit string ■ String that contains an * Note: To define a special character (* & , ! \) in a string, precede it with the backslash symbol (\).	<ul style="list-style-type: none"> ■ If < value > is a string that contains a *, checks whether any value of the property contains the string, regardless of case.
(& < filter > < filter > ...)	True if all filters match
(< filter > < filter > ...)	True if at least one filter matches
(! < filter >)	True if the filter does not match

The variables in the filter include the names of plug-in attributes and a PluginEventType variable. The value of this variable is the name of the type of event, such as PE_START_SERVICE. For names of plug-in attributes and plug-in event types, see the SAE CORBA plug-in documentation on the Juniper Networks Web site at <http://www.juniper.net/techpubs/software/management/src/api-index.html> or in the SDK+AppSupport+Demos+Samples.tar.gz file on the Juniper Web site at <https://www.juniper.net/support/csc/swdist-erx/src.html>.

6. (Optional) Specifies whether or not the J2EE application server uses load balancing to determine the location that manages requests to the VTA.

```
[edit shared sae group nw-area configuration plug-ins name QuotaVTA ejb-adaptor]
user@host# set use-ejb-cluster
```

7. Configure load-balancing scheme of the J2EE application server that hosts the VTA. See the documentation for the J2EE application server to determine which load-balancing scheme it supports.

```
[edit shared sae group nw-area configuration plug-ins name QuotaVTA ejb-adaptor]
user@host# set ejb-clustering-strategy (EJBOjectClustering | EJBHomeClustering
| JNDIClustering)
```

8. (Optional) Configure the plug-in attributes that the EJB adapter plug-in sends to the VTA listener. If you do not define a list of attributes, the EJB adapter plug-in sends all plug-in attributes to the VTA. Sending unnecessary plug-in attributes can adversely affect the performance of SRC components.

```
[edit shared sae group nw-area configuration plug-ins name QuotaVTA ejb-adaptor]
user@host# set attributes [(host | router-name | interface-name | ...)...]
```

Specify at least the following plug-in attributes: router-name, session-id, login-name, user-ip-address, ssp-host, domain, service-name, event-time, session-time, in-octets, out-octets, in-packets, out-packets, session-timeout, downstream-bandwidth, upstream-bandwidth, service-session-name, subscription-name. You may need to add attributes if you use them for the event admitter.

- Related Topics**
- How the SRC-VTA Works
 - Configuring the SAE Proxy Processor
 - Configuring Actions for the SAE Proxy Processor
 - Configuring the J2EE Application Server
 - Specifying Tracking Plug-Ins for Enterprise Subscribers on JUNOS Routing Platforms

