

## Configuring PCMM Record-Keeping Server Plug-Ins (SRC CLI)

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Use the following configuration statements to configure an RKS plug-in.

```
shared sae configuration plug-ins name name pcmm-rks {  
    load-balancing-mode (failover | roundRobin);  
    failback-timer failback-timer;  
    retry-interval retry-interval ;  
    maximum-queue-length maximum-queue-length ;  
    bind-address bind-address ;  
    udp-port udp-port ;  
    feid-mso-data feid-mso-data ;  
    feid-mso-domain-name feid-mso-domain-name ;  
    trusted-element;  
    default-peer default-peer ;  
}
```

To configure an RKS plug-in:

1. From configuration mode, access the configuration statements for RKS plug-ins. In this sample procedure, *west-region* is the name of the SAE group, and *rksPlugin* is the name of the plug-in.

```
user@host# edit shared sae group west-region configuration plug-ins name  
rksPlugin pcmm-rks
```

2. Specify the mode for load-balancing RKSs.

```
[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# set load-balancing-mode (failover | roundRobin)
```

3. Specify if and when the SAE attempts to fail back to the default peer.

```
[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# set failback-timer failback-timer
```

4. Specify the time the SAE waits for a response from an RKS before it resends the packet.

```
[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# set retry-interval retry-interval
```

5. Specify the maximum number of unacknowledged messages that the plug-in receives from the RKS before it discards new messages.

```
[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# set maximum-queue-length maximum-queue-length
```

6. (Optional) Specify the source IP address that the plug-in uses to communicate with the RKS.

```
[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]
```

user@host# **set bind-address** *bind-address*

7. (Optional) Specify the source UDP port or a pool of ports that the plug-in uses to communicate with the RKS.

[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# **set udp-port** *udp-port*

8. (Optional) Specify the multiple service operator (MSO)—defined data in the financial entity ID (FEID) attribute, which is included in event messages.

[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# **set feid-mso-data** *feid-mso-data*

9. (Optional) Specify the MSO domain name in the FEID attribute that uniquely identifies the MSO for billing and settlement purposes.

[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# **set feid-mso-domain-name** *feid-mso-domain-name*

10. (Optional) When the SAE is running as a policy server—which means that the SAE sends event messages directly to the RKS—enable the SAE as a trusted network element.

[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# **set trusted-element**

11. Specify the name of the primary RKS peer to which the SAE sends accounting packets.

See Configuring Record-Keeping Server Peers for Plug-Ins (SRC CLI).

[edit shared sae group west-region configuration plug-ins name rksPlugin pcmm-rks]  
user@host# **set default-peer** *default-peer*

12. (Optional) Verify your RKS plug-in configuration.

```
[edit shared sae group west-region configuration plug-ins name rksPlugin  
pcmm-rks]  
user@host> show  
load-balancing-mode failover;  
failback-timer -1;  
retry-interval 3000;  
maximum-queue-length 10000;  
feid-mso-domain-name abcd.com;  
trusted-element;  
default-peer radius01;
```

13. (Optional) Specify an RKS plug-in for specific CMTS devices.

See Configuring CMTS-Specific RKS Plug-Ins (SRC CLI) .

- Related Topics**
- Using the SAE in a PCMM Environment
  - Overview of a PCMM Environment
  - Configuring PCMM Record-Keeping Server Plug-Ins (C-Web Interface)
  - Initially Configuring the SAE

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