

Setting Up SAE Communities

Tasks to configure SAE communities are:

- If there is a firewall in the network, configuring the firewall to allow SAE messages through.
- 1. Configuring the SAE Community Manager on page 1
- 2. Specifying the Community Manager in the SAE Device Driver on page 2

Configuring the SAE Community Manager

Use the following configuration statements to configure the SAE community manager that manages third-party network device communities:

```
shared sae configuration external-interface-features name CommunityManager {  
    keepalive-interval keepalive-interval ;  
    threads threads ;  
    acquire-timeout acquire-timeout ;  
    blackout-time blackout-time ;  
}
```

To configure the community manager:

1. From configuration mode, access the configuration statements for the community manager. In this sample procedure, *sae_mgr* is the name of the community manager.

```
user@host# edit shared sae configuration external-interface-features sae_mgr  
CommunityManager
```

2. Specify the interval between keepalive messages sent from the active SAE to the passive members of the community.

```
[edit shared sae configuration external-interface-features sae_mgr  
CommunityManager]  
user@host# set keepalive-interval keepalive-interval
```

3. Specify the number of threads that are allocated to manage the community. You generally do not need to change this value.

```
[edit shared sae configuration external-interface-features sae_mgr  
CommunityManager]  
user@host# set threads threads
```

4. Specify the amount of time an SAE waits for a remote member of the community when it is acquiring a distributed lock. You generally do not need to change this value.

```
[edit shared sae configuration external-interface-features sae_mgr  
CommunityManager]  
user@host# set acquire-timeout acquire-timeout
```

5. Specify the amount of time that an active SAE must wait after it shuts down before it can try to become the active SAE of the community again.

```
[edit shared sae configuration external-interface-features sae_mgr
CommunityManager]
user@host# set blackout-time blackout-time
```

6. (Optional) Verify the configuration of the SAE community manager.

```
[edit shared sae configuration external-interface-features sae_mgr
CommunityManager]
user@host# show
CommunityManager {
  keepalive-interval 30;
  threads 5;
  acquire-timeout 15;
  blackout-time 30;
}
```

Specifying the Community Manager in the SAE Device Driver

Use the following configuration statements to specify the community manager in the SAE device driver.

```
shared sae configuration driver third-party {
  sae-community-manager sae-community-manager ;
}
```

To specify the community manager:

1. From configuration mode, access the configuration statements for the third-party device driver.

```
user@host# edit shared sae configuration driver third-party
```

2. Specify the name of the community manager.

```
[edit shared sae configuration driver third-party]
user@host# set sae-community-manager sae-community-manager
```

3. (Optional) Verify the configuration of the third-party device driver.

```
[edit shared sae configuration driver third-party]
user@host# show
sae-community-manager sae_mgr;
```

- Related Topics**
- Setting Up SAE Communities (C-Web Interface)
 - Configuration Tasks for Integrating Third-Party Network Devices
 - Configuring the SAE Community Manager

- Overview of Integrating Network Devices into the SRC Network
- Logging In Subscribers and Creating Sessions

Published: 2009-09-15