

## Checking Changes to the JUNOS Configuration

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The SAE can check the configuration of a JUNOS routing platform under its control to detect whether the configuration has changed by a means other than through the SAE. If the SAE finds a disparity between the router and the SAE configurations, it can take several actions. The SAE checks the configuration installed on the router against the state of the SAE session layer (subscriber, service, and interface sessions). While the check is occurring, the SAE does not handle jobs from the router, and all provisioning activity is blocked, including event notifications.

The SAE can take the following actions if it finds a disparity between the router and SAE configurations:

- The SAE takes the state of the session layer on the router to be correct and updates its local state to be consistent with the router. The SAE then sends stop events for all sessions where the corresponding provisioning in the router has been removed.
- The SAE takes its local state to be the correct state and updates the router to be consistent with its local state.
- The SAE does not solve the state discrepancy. It reports disparities through the SAE device driver event trap called `routerConfOutOfSynch` and through the info log.

Note that it is not possible to check the consistency of individual objects that the SAE provisions. Therefore, modifications to a provisioning object while the SAE is disconnected from the router cannot be detected.

## Setting Up Periodic Configuration Checking

Use the following configuration statements to configure the SAE to periodically check the configuration of the JUNOS routing platform:

```
shared sae configuration driver junos configuration-checking
configuration-checking-schedule configuration-checking-schedule ;
configuration-checking-action (enforce | synchronize | detect);
```

To configure the SAE to periodically check the configuration of the JUNOS routing platform:

1. From configuration mode, access the configuration statement that configures the configuration checking feature.

```
user@host# edit shared sae configuration driver junos configuration-checking
```

2. Specify when the SAE checks the router configuration.

```
[edit shared sae configuration driver junos configuration-checking]
user@host# set configuration-checking-schedule configuration-checking-schedule
```

3. Specify the action that the SAE takes when it detects disparities between the configuration of the SAE and the configuration on the router.

```
[edit shared sae configuration driver junos configuration-checking]
user@host# set configuration-checking-action enforce | synchronize | detect
```

4. (Optional) From operational mode, verify your configuration checking configuration.

```
[edit shared sae configuration driver junos configuration-checking]
user@host# show
configuration-checking-schedule "0 0 * * * * *";
configuration-checking-action synchronize;
```

- Related Topics**
- Configuring the JUNOS Routing Platform to Apply Changes It Receives from the SAE
  - SAE Verification of JUNOS Configuration Changes