

Deregister a Node from an ISE Deployment

Contents

Issue

You need to deregister a target node from the Cisco Identity Services Engine (ISE) deployment.

Environment

- Cisco ISE version: version 3.1 and later
- Deployment type: Distributed
- Policy Administration Node (PAN)
- Monitoring Node (MNT)
- Policy Service Node (PSN)
- Network Access Device (NAD), for example, switch or wireless controller

Resolution

Impact Assessment

- If deregistering the Primary PAN, promote a Secondary PAN to Primary first.
 - The Primary PAN cannot be deregistered directly.
- If deregistering a PSN:
 - Confirm a remaining PSN is available.
 - Confirm NADs are configured to direct the RADIUS and TACACS+ authentications to

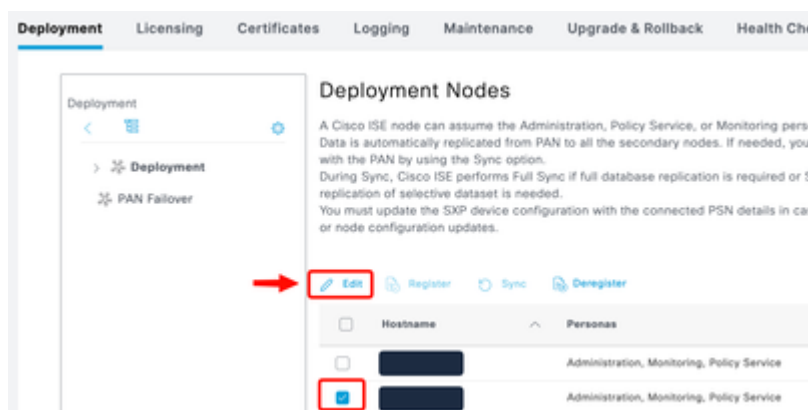
remaining PSNs.

- Test authentication with remaining PSNs.
- If deregistering an MNT
 - Confirm a remaining Monitoring node is available.
- Verify no sync operations are in progress on remaining nodes.

Before Deregistering

If you intend to rebuild and/or reregister the deregistered target node later, you must document the target node configuration before deregistering.

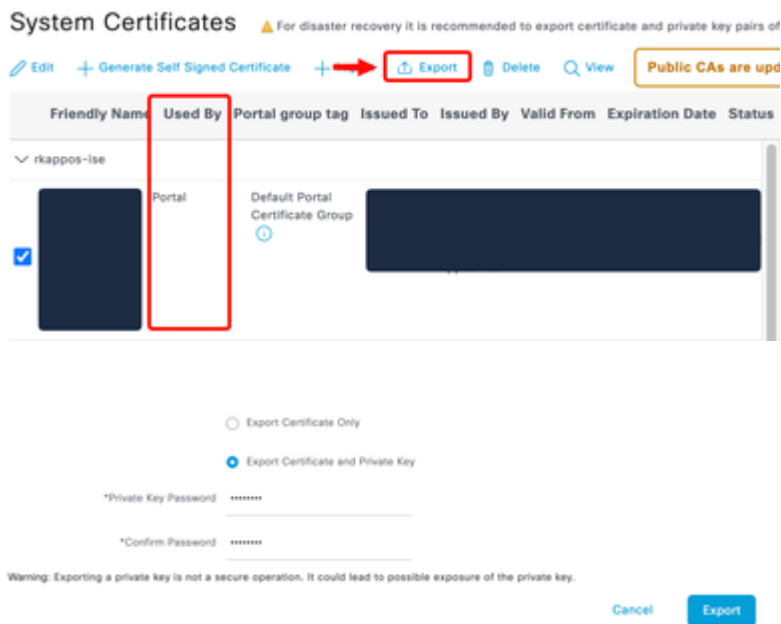
1. Take a full [configuration backup](#) of the deployment.
2. Document the target node ISE deployment settings:
 1. Log in to the Primary PAN GUI.
 2. Navigate to **Administration > System > Deployment**.
 3. Check-mark the target node do be deregistered and select **Edit**.



4. Make notes or take screenshots of the entire configuration in both of the **General Settings** and **Profiling Configuration** tabs.
3. Document the target node system certificates:
 1. Navigate to **Administration > Certificates > System Certificates**.
 2. Expand the target node entry.
 3. Make notes or take screenshots of the entire certificate configuration of the target node.
 4. Select each certificate **Used By** the target node ISE components one at a time, and **Export the certificates and private keys**.

5. Make a note of the passwords you create when exporting each certificate.

- Note that you cannot re-import a certificate and key without the password.



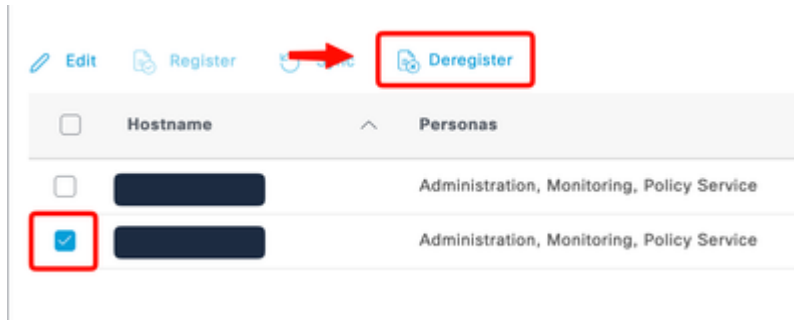
4. Document the target node running system configuration:

1. SSH and log into the target node.
2. Run this command to show the running configuration and **save** the output to a text file.

```
show running-config
```

Deregistration Steps

1. Log in to the Primary PAN GUI.
2. Navigate to **Administration > System > Deployment**.
3. Select the target node to be removed.
4. Click **Deregister**.



5. Confirm the action when prompted.

6. Verify the node no longer appears in **Administration > System > Deployment**.

Cause

This process can be required for:

- Decommissioning or rebuilding ISE nodes.
- Hardware replacement.
- Topology changes.
- Resolving persistent synchronization / replication failures.

Related Content

- [Export Configuration and Operation Data Backup from ISE](#)
- [Understand ISE 3.3 Node Registration Process](#)