

Understand ISE 3.3 Node Registration Process

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Introduction

This document describes Identity Service Engine (ISE) node registration pre-requisites, step by step process, PCAP analysis, log analysis.

Pre-Requisites

You must have the basic knowledge of the Cisco Identity Service Engine (ISE).

Background Information

- **Standalone Node:** a deployment that has a single Cisco ISE node. This node runs the Administration, Policy Service, and Monitoring personas.
- **Distributed deployment:** a deployment that has more than one Cisco ISE node. To support failover and to improve performance, you can set up a deployment with multiple Cisco ISE nodes in a distributed fashion. In a Cisco ISE distributed deployment, administration and monitoring activities are centralized, and processing is distributed across the Policy Service nodes. Depending on your performance needs, you can scale your deployment.
- An ISE node can be in one of the state primary, secondary or stand alone node.
- An ISE node can assume any of these personas: Administration, Policy Service, and Monitoring.
- You need to perform registration process to add more nodes to a primary node to form a cluster.

Requirements

- After Installing ISE nodes, you must choose one of the nodes and change its state from standalone to primary. Navigate to **Administration > Deployment**, click the ISE node > **Make Primary** .
- You can have a single primary node in a distributed deployment.
- FQDN of the secondary node to be registered must be resolvable from primary node. Forward and reverse DNS lookup must work.
- Version/patch details of both nodes are the same.
- You must have super admin credentials of the secondary node.
- Ensure the admin certificate of both nodes are trusted, If third party CA signed certificate, add the root CA to the trusted certificates store.
- Latency between nodes is less than 300ms.

Components Required

The information in this document is based on these software and hardware versions

- Cisco Identity service Engine 3.3
- ISE VM

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Ports Required

- HTTPS (SOAP): TCP/443
- Data Synchronization/ Replication (JGroups): TCP/12001
- ISE Messaging Service: SSL: TCP/8671
- ISE internal communication: TCP/15672
- Profiler Endpoint ownership Synchronization/ Replication: TCP/6379

Debugs Required

Attributes to be set to debug level:

- Replication-Deployment (replication.log and ise-psc.log)
- Replication-JGroup (replication.log and ise-psc.log)
- Replication Tracker (tracking.log)
- hibernate (hibernate.log)
- JMS (replication.log)
- ca-service (caservice.log)
- admin-ca (ise-psc.log)

Node details

- ise330.tac.local (10.127.197.174) is the PAN node
- ise331.tac.local (10.127.197.175) is the SAN node

Topology



Time Stamps Involved

Node ise331.tac.local is registered on ise330.tac.local

Register Click- 2025-01-31, 16:00:01

Next Click (After filling secondary node FQDN details) -2025-01-31, 16:00:13

Submit Click (After selecting personas)-2025-01-31, 16:00:21

Replication-2025-01-31, 16:02:22

Completed Sync-2025-01-31 16:30:54

Registration Process

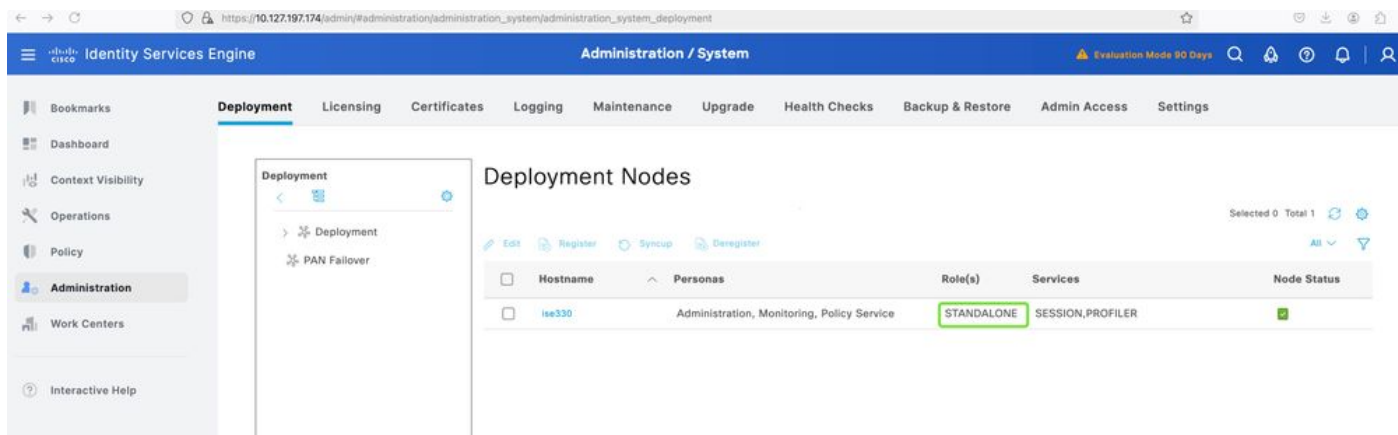
Node registration: a process of authenticated configuration database replication from primary admin node to the secondary node

Step 1: Make the ISE node as primary

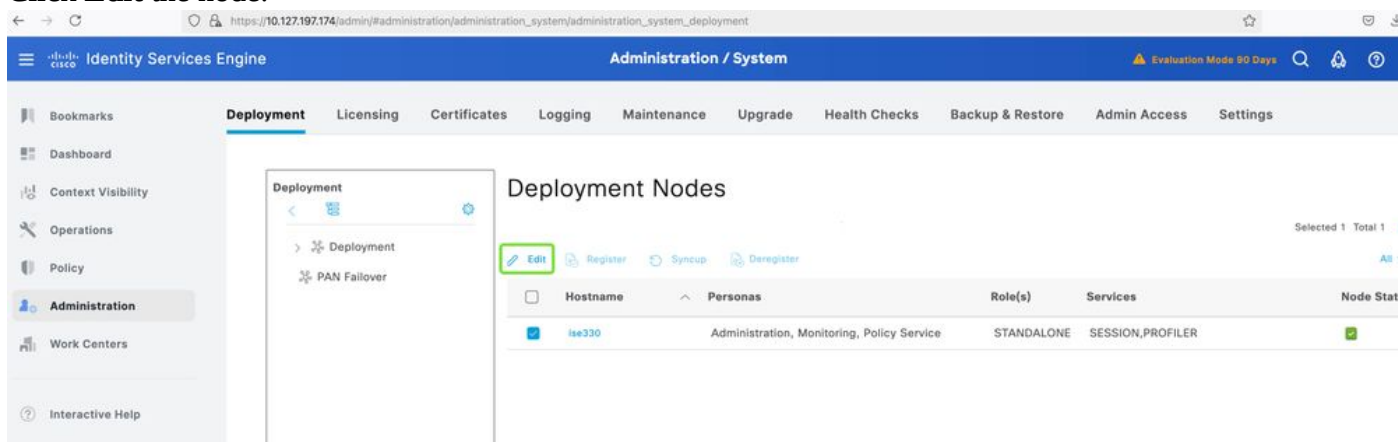
Initially, every node is in standalone mode. To register other nodes, make one of the nodes the primary node.

Navigate to **Administration > Deployment > Click the ISE node/Edit the node .**

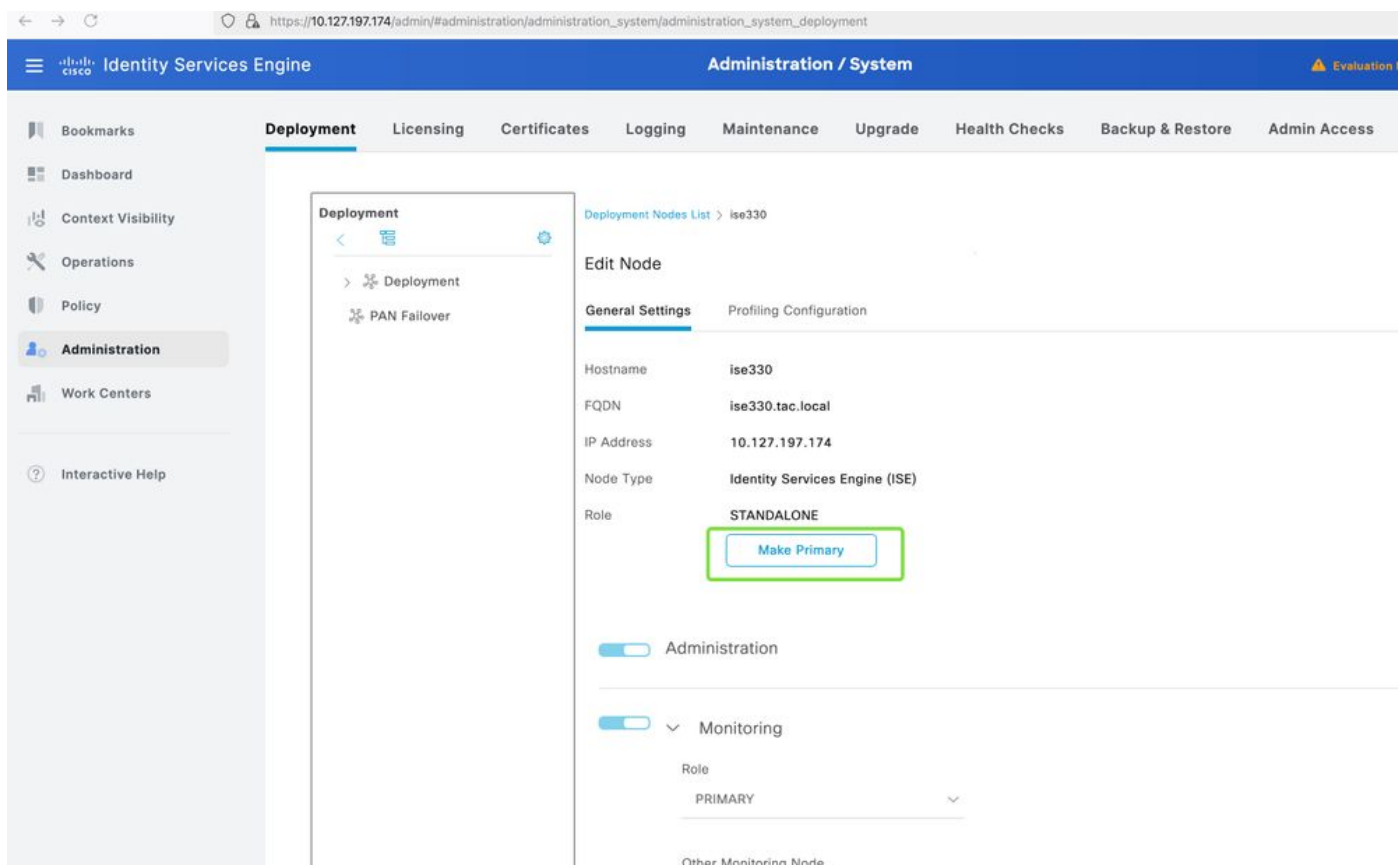
Click **Make Primary.**



Click **Edit** the node.



Click **Make Primary** and **Save** it.



The role now becomes primary.

Identity Services Engine Administration / System

Deployment Licensing Certificates Logging Maintenance Upgrade Health Checks Backup & R

Bookmarks Dashboard Context Visibility Operations Policy Administration Work Centers Interactive Features

Deployment

Deployment Nodes List > ise-02

Edit Node

General Settings

Hostname ise-02

FQDN ise-02.aalab.com

IP Address 10.127.237.82

Node Type Identity Services Engine (ISE)

Role PRIMARY

Make Standalone

Administration

Monitoring

Role PRIMARY

Other Monitoring Node

Dedicated MnT

Policy Service

Step 2: Register the secondary node

The node to be registered must be in standalone mode.

Go to the secondary node and get the FQDN.

Navigate to **Administration > Deployment**. Click on the node name.

Identity Services Engine Administration / System Evaluation Mode 90 Days

Deployment Licensing Certificates Logging Maintenance Upgrade Health Checks Backup & Restore Admin

Bookmarks Dashboard Context Visibility Operations Policy Administration Work Centers Interactive Help

Deployment

Deployment Nodes

Selected 0 Total 1

Edit Register Syncup Deregister

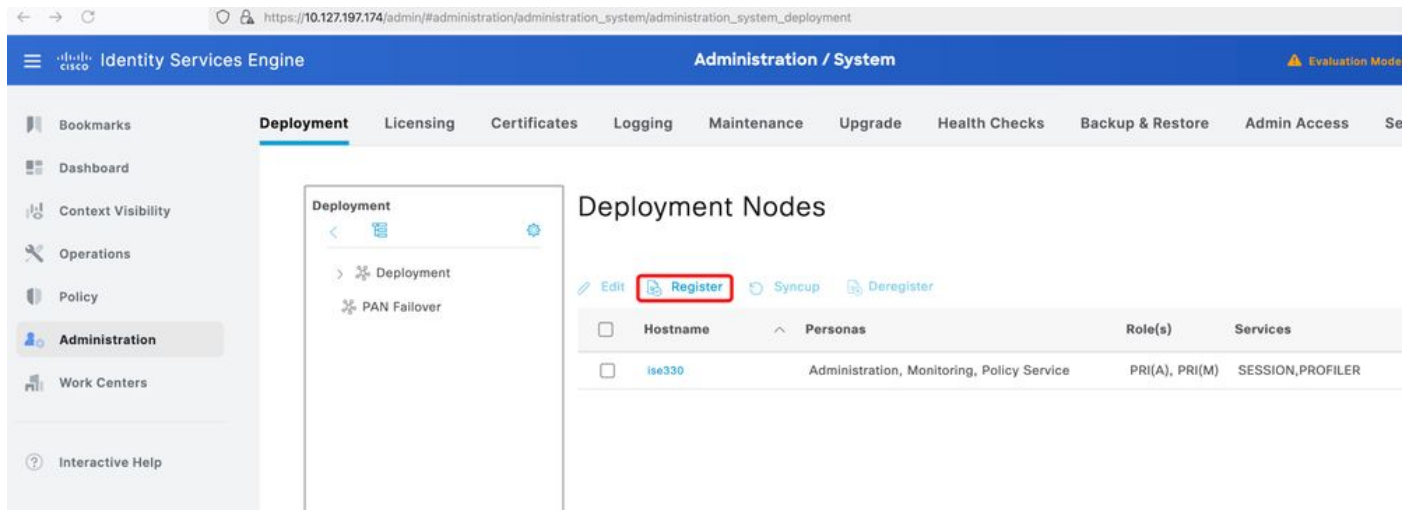
	Hostname	Personas	Role(s)	Services	Node Status
☐	ise331	Administration, Monitoring, Policy Service	STANDALONE	SESSION, PROFILER	☒

Go to the PAN GUI.

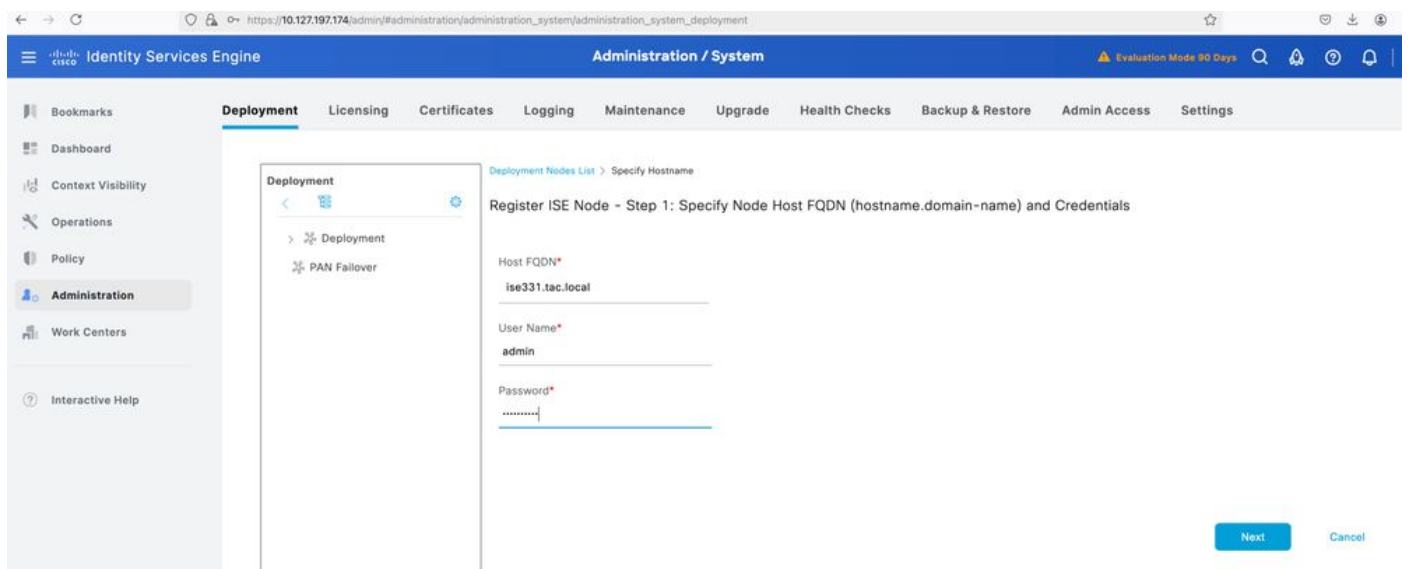
Navigate to **Administration > Deployment**.

Click **Register**.

It asks for the FQDN and credentials of the node to be registered.

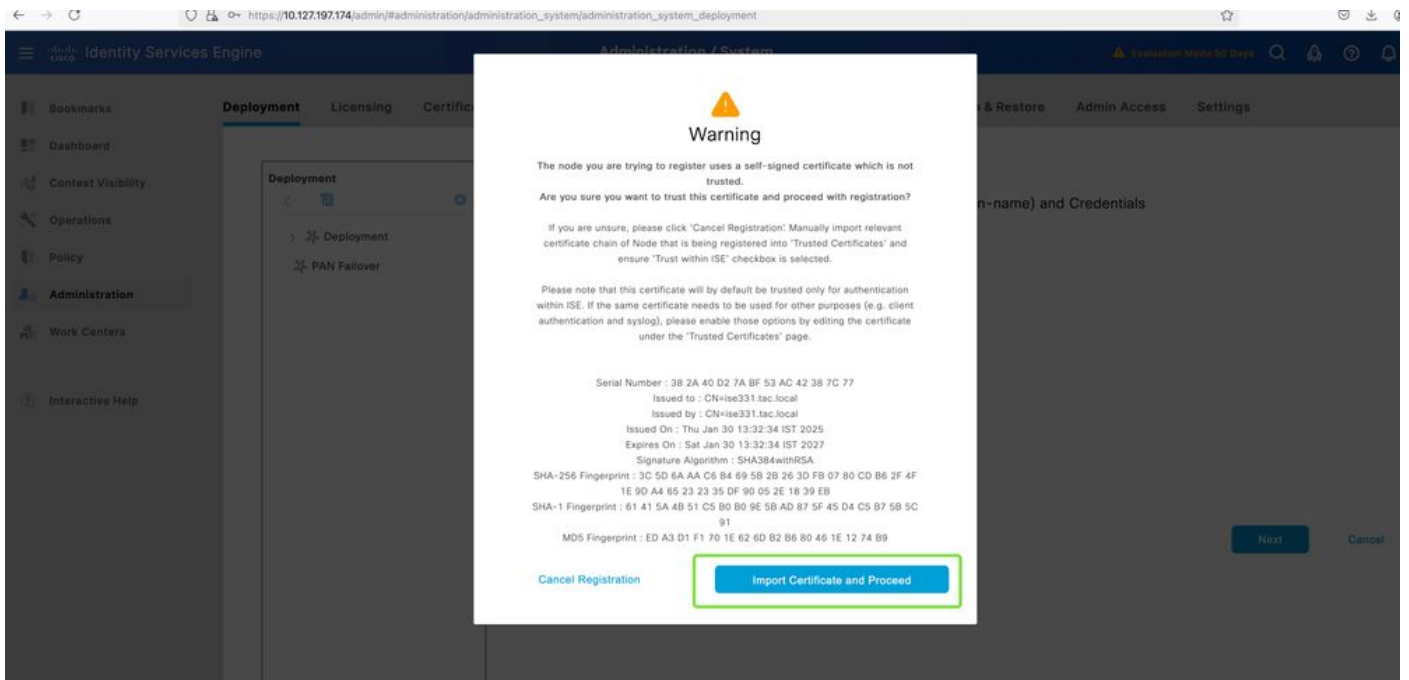


Enter the FQDN and super admin user credentials of the secondary node.

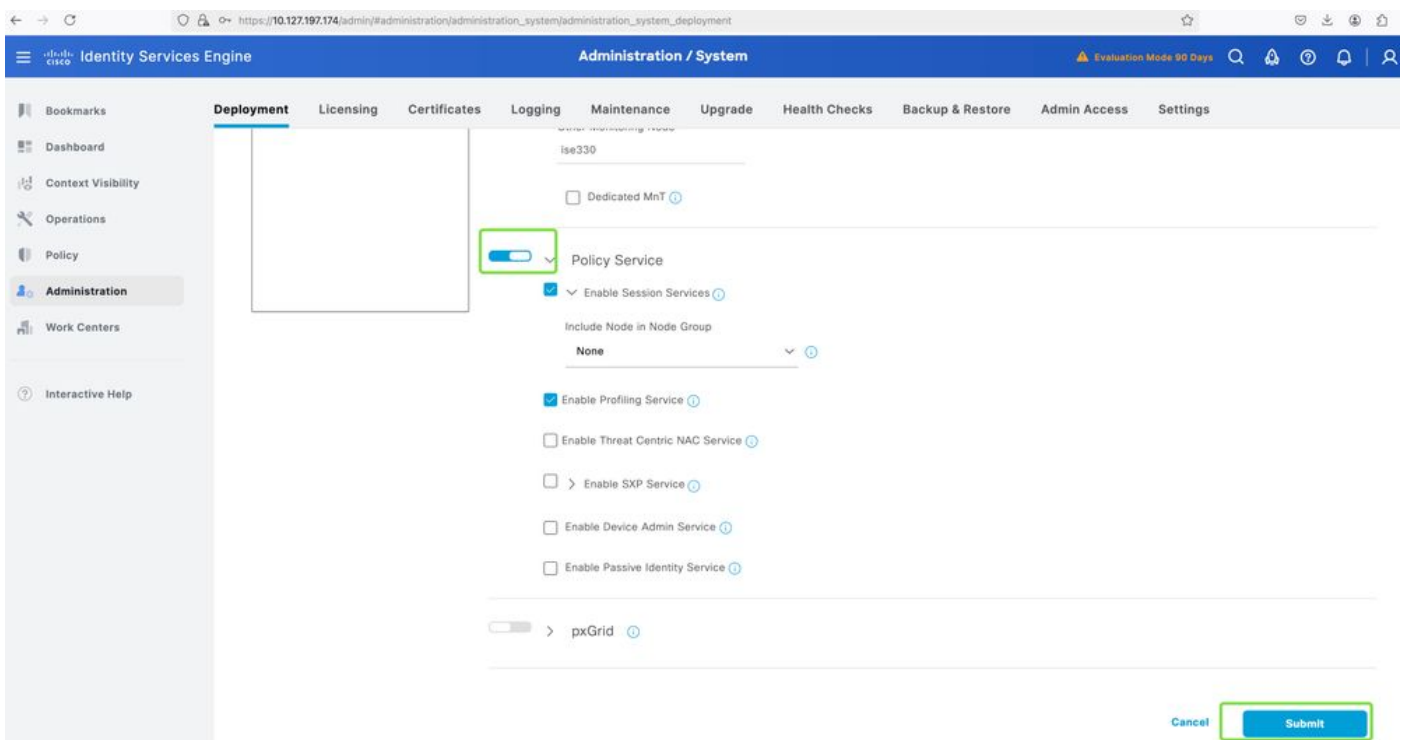


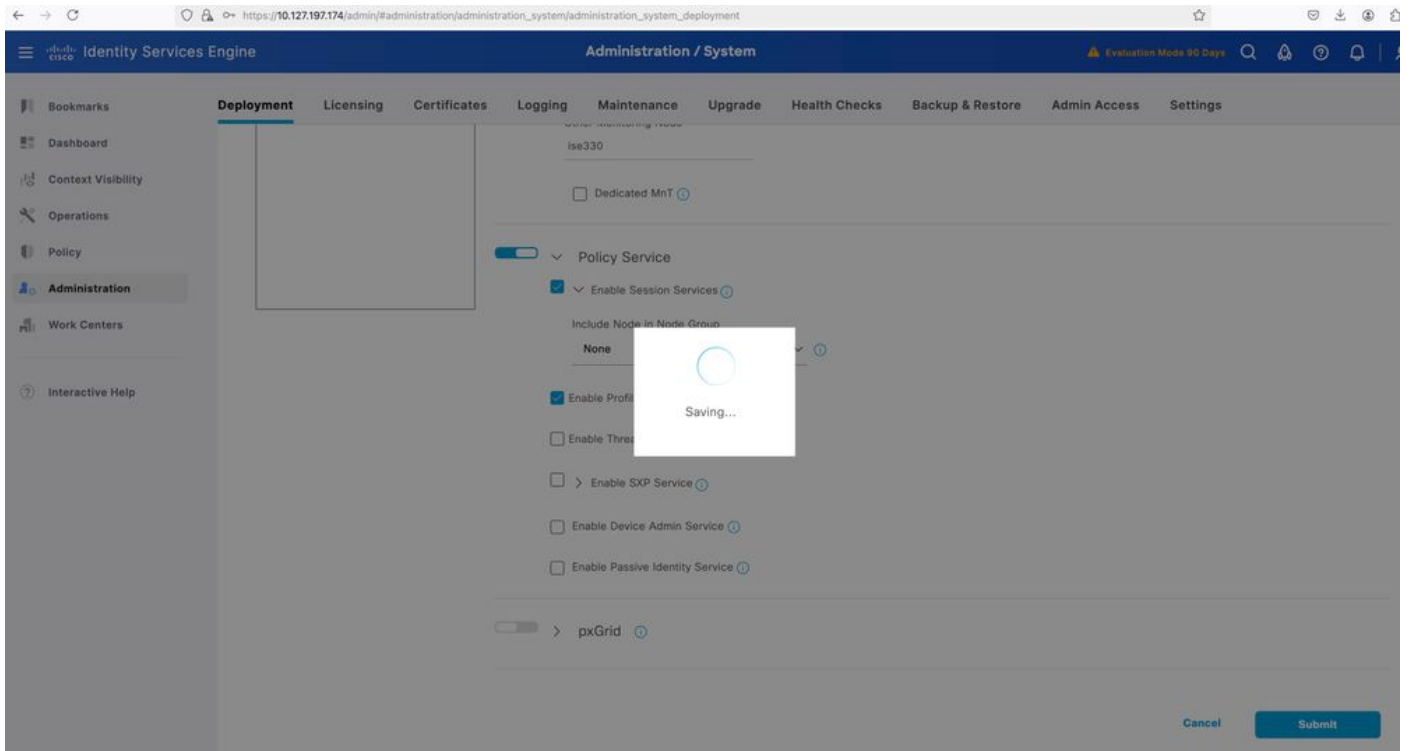
When you click **Next**, it imports the certificate of the secondary node.

Click **Import certificate and proceed**.

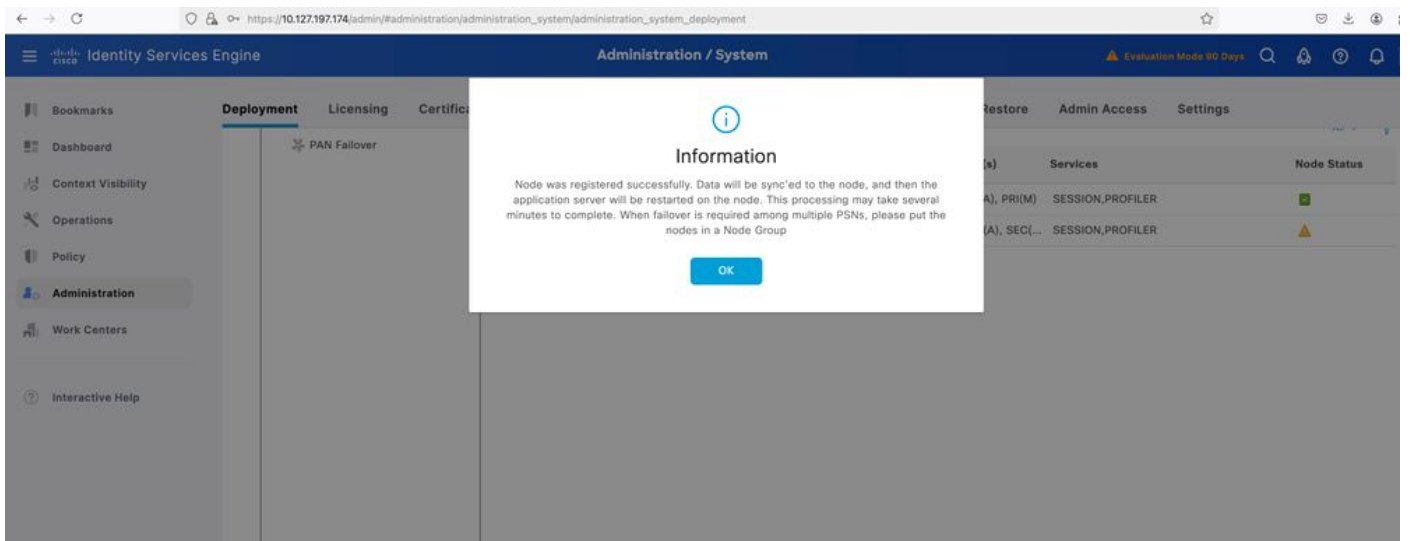


Now select the personas required on the secondary node, click **Submit**.

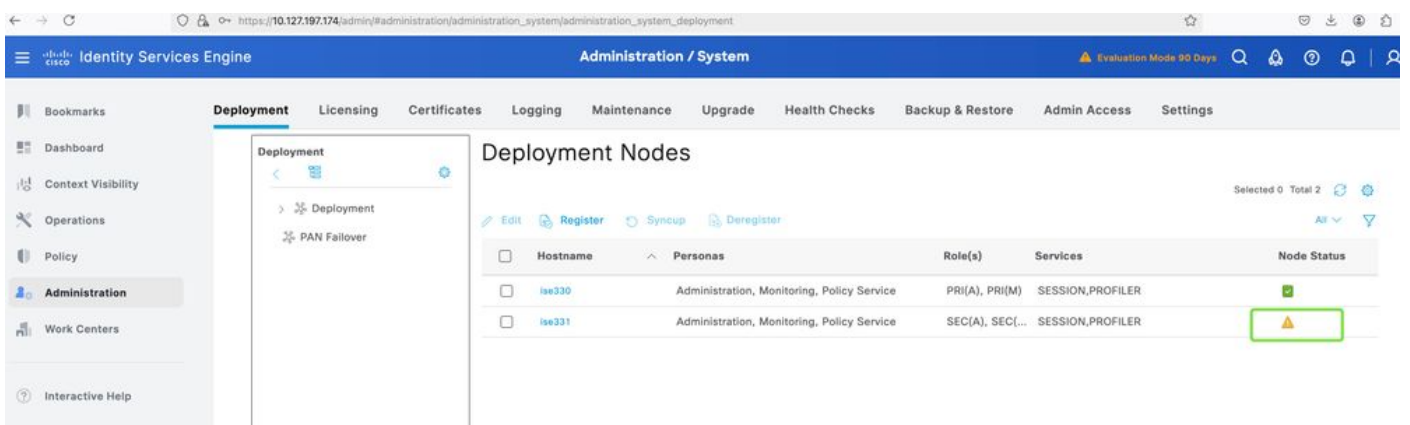




The secondary node is then registered to primary node. Click **OK**.



Verify that the secondary node added to the PAN and amber color indicates that registration/sync is in progress.



Step 4: When you selected secondary admin node (SAN), you need to renew the license. It is not applicable for PSNs.

Navigate to **Administration>Licensing**.
Click **Renew Registration**.

Identity Services Engine

Administration / System

DeploymentLicensingCertificatesLoggingMaintenanceUpgradeHealth ChecksBackup & RestoreAdmin AccessSettings

BookmarksDashboardContext VisibilityOperationsPolicyAdministrationWork CentersInteractive Features

License NotificationsExpand To ShowClear Notifications

Cisco Smart Licensing

Cisco Smart Licensing does not require PAK-based registration. Smart software licenses are easy to register, activate, and use. Visit the Cisco Smart Software Manager portal for a comprehensive view of all your software and solutions.

Renew RegistrationDeregister

UDI Details

PRIMARY PAN

SECONDARY PAN

Product Identifier (PID)ISE-VM-K9Product Identifier (PID)ISE-VM-K9

Version Identifier (VID)V01Version Identifier (VID)V01

Serial Number (SN)86MBMEIDDL6Serial Number (SN)FKEEHJAACBE

License Type

Choose Registration Details to acquire pre-purchased license entitlements. Choose Permanent License Reservation to enable all Cisco ISE licenses. Enter the required details to enable Cisco ISE licenses. When you click Register, you agree to the terms and conditions detailed in Smart Licensing Resources.

Smart Licensing Registration

Permanent License Reservation

Specific License Reservation

Registration Details

Licenses

Select relevant licenses and click Enable to acquire the pre-purchased license's entitlements. Select relevant licenses and click Disable to release unused entitlements. Click Refresh to reauthorize the enabled licenses.

EnableDisableRefresh

Step 5: Registration is successful.

DeploymentLicensingCertificatesLoggingMaintenanceUpgradeHealth ChecksBackup & RestoreAdmin AccessSettings

BookmarksDashboardContext VisibilityOperationsPolicyAdministrationWork CentersInteractive Help

Deployment

Deployment Nodes

Selected 0 Total 2

EditRegisterSyncupDeregister

All

Hostname	Personas	Role(s)	Services	Node Status
ise330	Administration, Monitoring, Policy Service	PRI(A), PRI...	SESSION,PROFILER	
ise331	Administration, Monitoring, Policy Service	SEC(A), S...	SESSION,PROFILER	

PCAP Analysis

In PCAP, you see DNS, certificate exchanges over 443.

ip.addr==10.127.197.175									
Time	Delta	Source	Destination	Protocol	Info	Handshake Type	Len		
3162 2025-01-31 16:00:57.939155	0.059990	10.127.197.174	10.127.197.175	TCP	49428 → 443 [SYN] Seq=0 Win=29200 Len=0 MSS...				
3166 2025-01-31 16:00:58.096303	0.157148	10.127.197.175	10.127.197.174	TCP	443 → 49428 [SYN, ACK] Seq=0 Ack=1 Win=2896...				
3167 2025-01-31 16:00:58.096355	0.000052	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=1 Ack=1 Win=29312 Len...				
3169 2025-01-31 16:00:58.096688	0.000333	10.127.197.174	10.127.197.175	TLSv1.2	Client Hello	Client Hello			
3170 2025-01-31 16:00:58.097053	0.000305	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=1 Ack=252 Win=30000 L...				
3177 2025-01-31 16:00:58.325901	0.228848	10.127.197.175	10.127.197.174	TLSv1.2	Server Hello, Certificate, Server Key Excha...	Server Hello, Certificate, Server K...			
3178 2025-01-31 16:00:58.325931	0.000030	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=252 Ack=2053 Win=3340...				
3183 2025-01-31 16:00:58.327555	0.001624	10.127.197.174	10.127.197.175	TLSv1.2	Client Key Exchange	Client Key Exchange			
3184 2025-01-31 16:00:58.327947	0.000392	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=327 Win=3008...				
3185 2025-01-31 16:00:58.329019	0.001072	10.127.197.174	10.127.197.175	TLSv1.2	Change Cipher Spec				
3186 2025-01-31 16:00:58.329090	0.000071	10.127.197.174	10.127.197.175	TLSv1.2	Encrypted Handshake Message				
3187 2025-01-31 16:00:58.329438	0.000348	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=333 Win=3008...				
[Next Sequence Number: 252 (relative sequence number)] Acknowledgment Number: 1 (relative ack number) Acknowledgment number (raw): 3489632365 1000 ... = Header Length: 32 bytes (8) > Flags: 0x018 (PSH, ACK) Window: 229 [Calculated window size: 29312] [Window size scaling factor: 128] Checksum: 0xa17d [unverified] [Checksum Status: Unverified] Urgent Pointer: 0 > Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), Timestamps > [Timestamps] > [SEQ/ACK analysis] TCP payload (251 bytes)									
Transport Layer Security > TLSv1.2 Record Layer: Handshake Protocol: Client Hello Content Type: Handshake (22) Version: TLS 1.2 (0x0303) Length: 246 > Handshake Protocol: Client Hello Handshake Type: Client Hello (1) Length: 242 Version: TLS 1.2 (0x0303) > Random: 0c36061ace9a650bce51fef5eba0fc7a4e91f3abf1c53fe279404ea0794e60ea Session ID Length: 0 > Cipher Suites Length: 36 > Cipher Suites (18 suites) > Compression Methods Length: 1 > Compression Methods (1 method) > Extensions Length: 165 > Extension: server_name (len=21) > Extension: supported_groups (len=18) > Extension: ec_point_formats (len=2) > Extension: signature_algorithms (len=42) > Extension: signature_algorithms_cert (len=42) > Extension: extended_master_secret (len=0) > Extension: supported_versions (len=7) > Extension: renegotiation_info (len=1) [JAB3 Fullstring: 771,49199-49200-49171-49172-49195-49196-49187-49161-49188-49162-103-107-51-57-60-61-47-53,0-10-11-13-50-23-43-65281,23-24-25-256-257-258-259-260,0] [JAB3: 06ee41ca81c0aae6c3d50b0dfe941996]									

Server Hello, Certificate, Server Key Exchange, Server Hello

We can see ise331.tac.local shares it certificate to PAN node.

Time	Delta	Source	Destination	Protocol	Info	Handshake Type
3162 2025-01-31 16:00:57.939155	0.059990	10.127.197.174	10.127.197.175	TCP	49428 → 443 [SYN] Seq=0 Win=29200 Len=0 MSS...	
3166 2025-01-31 16:00:58.096303	0.157148	10.127.197.175	10.127.197.174	TCP	443 → 49428 [SYN, ACK] Seq=0 Ack=1 Win=2896...	
3167 2025-01-31 16:00:58.096355	0.000052	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=1 Ack=1 Win=29312 Len...	
3169 2025-01-31 16:00:58.096688	0.000333	10.127.197.174	10.127.197.175	TLSv1.2	Client Hello	Client Hello
3170 2025-01-31 16:00:58.097053	0.000365	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=1 Ack=252 Win=30080 L...	
3177 2025-01-31 16:00:58.325981	0.228848	10.127.197.175	10.127.197.174	TLSv1.2	Server Hello, Certificate, Server Key Excha...	Server Hello, Certificate, Server K...
3178 2025-01-31 16:00:58.325931	0.000030	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=252 Ack=2053 Win=3340...	
3183 2025-01-31 16:00:58.327555	0.001624	10.127.197.174	10.127.197.175	TLSv1.2	Client Key Exchange	Client Key Exchange
3184 2025-01-31 16:00:58.327947	0.000392	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=327 Win=3008...	
3185 2025-01-31 16:00:58.329019	0.001072	10.127.197.174	10.127.197.175	TLSv1.2	Change Cipher Spec	
3186 2025-01-31 16:00:58.329090	0.000071	10.127.197.174	10.127.197.175	TLSv1.2	Encrypted Handshake Message	
3187 2025-01-31 16:00:58.329438	0.000348	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=333 Win=3008...	

Session ID Length: 32
 Session ID: ee8ae1606327f6c8022d9dd4a0eebe38215e4d3e57d4fff79a9f09c18d4e57db
 Cipher Suite: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 (0xc02f)
 Compression Method: null (0)
 Extensions Length: 17
 > Extension: renegotiation_info (len=1)
 > Extension: ec_point_formats (len=4)
 > Extension: extended_master_secret (len=0)
 [JA3S Fullstring: 771,49199,65281-11-23]
 [JA3S: 76c691f46143bf86e2d1bb73c6187767]
 TLSv1.2 Record Layer: Handshake Protocol: Certificate
 Content Type: Handshake (22)
 Version: TLS 1.2 (0x0303)
 Length: 1346
 Handshake Protocol: Certificate
 Handshake Type: Certificate (11)
 Length: 1342
 Certificates Length: 1339
 Certificates (1339 bytes)
 Certificate Length: 1336
 Certificate: 308205343082031ca00302010206c382a40d27abf53ac42387c7730060692a864886f... (id-at-commonName=ise331.tac.local)
 > signedCertificate
 > algorithmIdentifier (sha384withRSAEncryption)
 Algorithm ID: 1.2.840.113549.1.1.12 (sha384withRSAEncryption)
 Padding: 0
 encrypted: a3e9c9eb84a2f8a27a5517d3f7ace78a6bb666ad0fa4b5982f438f7a5cd5c1b7ed76ba...
 TLSv1.2 Record Layer: Handshake Protocol: Server Key Exchange
 Content Type: Handshake (22)
 Version: TLS 1.2 (0x0303)
 Length: 589
 Handshake Protocol: Server Key Exchange
 Handshake Type: Server Key Exchange (12)
 Length: 585
 > EC Diffie-Hellman Server Params
 TLSv1.2 Record Layer: Handshake Protocol: Server Hello Done
 Content Type: Handshake (22)
 Version: TLS 1.2 (0x0303)
 Length: 4
 Handshake Protocol: Server Hello Done
 Handshake Type: Server Hello Done (14)
 Length: 0

Time	Delta	Source	Destination	Protocol	Info	Handshake Type
3162 2025-01-31 16:00:57.939155	0.059990	10.127.197.174	10.127.197.175	TCP	49428 → 443 [SYN] Seq=0 Win=29200 Len=0 MSS...	
3166 2025-01-31 16:00:58.096303	0.157148	10.127.197.175	10.127.197.174	TCP	443 → 49428 [SYN, ACK] Seq=0 Ack=1 Win=2896...	
3167 2025-01-31 16:00:58.096355	0.000052	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=1 Ack=1 Win=29312 Len...	
3169 2025-01-31 16:00:58.096688	0.000333	10.127.197.174	10.127.197.175	TLSv1.2	Client Hello	Client Hello
3170 2025-01-31 16:00:58.097053	0.000365	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=1 Ack=252 Win=30080 L...	
3177 2025-01-31 16:00:58.325981	0.228848	10.127.197.175	10.127.197.174	TLSv1.2	Server Hello, Certificate, Server Key Excha...	Server Hello, Certificate, Server K...
3178 2025-01-31 16:00:58.325931	0.000030	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=252 Ack=2053 Win=3340...	
3183 2025-01-31 16:00:58.327555	0.001624	10.127.197.174	10.127.197.175	TLSv1.2	Client Key Exchange	Client Key Exchange
3184 2025-01-31 16:00:58.327947	0.000392	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=327 Win=3008...	
3185 2025-01-31 16:00:58.329019	0.001072	10.127.197.174	10.127.197.175	TLSv1.2	Change Cipher Spec	
3186 2025-01-31 16:00:58.329090	0.000071	10.127.197.174	10.127.197.175	TLSv1.2	Encrypted Handshake Message	
3187 2025-01-31 16:00:58.329438	0.000348	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=333 Win=3008...	

Frame 3183: 141 bytes on wire (1128 bits), 141 bytes captured (1128 bits)
 Ethernet II, Src: VMware_08:00:56:00:11:21, Dst: VMware_08:00:2b:2c:2e:2e
 Internet Protocol Version 4, Src: 10.127.197.174, Dst: 10.127.197.175
 Transmission Control Protocol, Src Port: 49428, Dst Port: 443, Seq: 252, Ack: 2053, Len: 75
 Source Port: 49428
 Destination Port: 443
 [Stream index: 51]
 [Conversation completeness: Complete, WITH_DATA (31)]
 [TCP Segment Len: 75]
 Sequence Number: 252 (relative sequence number)
 Sequence Number (raw): 30577469
 [Next Sequence Number: 327 (relative sequence number)]
 Acknowledgment Number: 2053 (relative ack number)
 Acknowledgment Number (raw): 348963437
 1000 = Header Length: 32 bytes (8)
 Flags: 0x010 (PSH, ACK)
 Window: 261
 [Calculated window size: 33408]
 Window size scaling factor: 128
 Checksum: 0x00cd [unverified]
 [Checksum Status: Unverified]
 Urgent Pointer: 0
 Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), Timestamps
 > [Timestamps]
 > [SEQ/ACK analysis]
 TCP payload (75 bytes)
 Transport Layer Security
 TLSv1.2 Record Layer: Handshake Protocol: Client Key Exchange
 Content Type: Handshake (22)
 Version: TLS 1.2 (0x0303)
 Length: 70
 Handshake Protocol: Client Key Exchange
 Handshake Type: Client Key Exchange (16)
 Length: 66
 EC Diffie-Hellman Client Params
 Pubkey Length: 65
 Pubkey: 04ce82e5cf3abda1e429d5d0e5487ce0c156182aa3711d12642f428c204262286a6...

Client Key Exchange has the public key.

Both nodes fix on the the cipher suites and create the encrypted tunnel to share the details.

ip.addr==10.127.197.175									
	Time	Delta	Source	Destination	Protocol	Info	Handshake Type	Len	
3162	2025-01-31 16:00:57.939155	0.059990	10.127.197.174	10.127.197.175	TCP	49428 → 443 [SYN] Seq=0 Win=29200 Len=0 MSS...			
3166	2025-01-31 16:00:58.096303	0.157148	10.127.197.175	10.127.197.174	TCP	443 → 49428 [SYN, ACK] Seq=0 Ack=1 Win=2896...			
3167	2025-01-31 16:00:58.096355	0.000052	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=1 Ack=1 Win=29312 Len...			
3169	2025-01-31 16:00:58.096688	0.000333	10.127.197.174	10.127.197.175	TLSv1.2	Client Hello	Client Hello		
3170	2025-01-31 16:00:58.097053	0.000365	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=1 Ack=252 Win=30080 L...			
3177	2025-01-31 16:00:58.325901	0.228848	10.127.197.175	10.127.197.174	TLSv1.2	Server Hello, Certificate, Server Key Excha...	Server Hello, Certificate, Server K...		
3178	2025-01-31 16:00:58.325931	0.000030	10.127.197.174	10.127.197.175	TCP	49428 → 443 [ACK] Seq=252 Ack=2053 Win=3340...			
3183	2025-01-31 16:00:58.327555	0.001624	10.127.197.174	10.127.197.175	TLSv1.2	Client Key Exchange	Client Key Exchange		
3184	2025-01-31 16:00:58.327947	0.000392	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=327 Win=3008...			
3185	2025-01-31 16:00:58.329819	0.001072	10.127.197.174	10.127.197.175	TLSv1.2	Change Cipher Spec			
3186	2025-01-31 16:00:58.329890	0.000071	10.127.197.174	10.127.197.175	TLSv1.2	Encrypted Handshake Message			
3187	2025-01-31 16:00:58.329438	0.000348	10.127.197.175	10.127.197.174	TCP	443 → 49428 [ACK] Seq=2053 Ack=333 Win=3008...			
Frame 3185: 72 bytes on wire (576 bits), 72 bytes captured (576 bits)									
Ethernet II, Src: VMware_8b:b1:21 (00:50:56:8b:b1:21), Dst: VMware_8b:23:2e (00:50:56:8b:23:2e)									
Internet Protocol Version 4, Src: 10.127.197.174, Dst: 10.127.197.175									
Transmission Control Protocol, Src Port: 49428, Dst Port: 443, Seq: 327, Ack: 2053, Len: 6									
Source Port: 49428									
Destination Port: 443									
[Stream index: 51]									
[Conversation completeness: Complete, WITH_DATA (31)]									
[TCP Segment Len: 6]									
Sequence Number: 327 (relative sequence number)									
Sequence Number (raw): 18577544									
[Next Sequence Number: 333 (relative sequence number)]									
Acknowledgment Number: 2053 (relative ack number)									
Acknowledgment number (raw): 3489634417									
1000 = Header Length: 32 bytes (8)									
Flags: 0x018 (PSH, ACK)									
Window: 261									
[Calculated window size: 33408]									
[Window size scaling factor: 128]									
Checksum: 0xa088 [unverified]									
[Checksum Status: Unverified]									
Urgent Pointer: 0									
Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), Timestamps									
[Timestamps]									
[SEQ/ACK analysis]									
TCP payload (6 bytes)									
Transport Layer Security									
TLSv1.2 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec									
Content Type: Change Cipher Spec (20)									
Version: TLS 1.2 (0x0303)									
Length: 1									
Change Cipher Spec Message									

CLI Utilities

- ise-psc.log- DNS query / cert validation / cert replication / sync status control

Path from root: /opt/CSCOCpm/logs/ise-psc.log

From CLI,

#show logg application ise-psc.log tail

- ADE.log- DB import/export, service start/stop

Path From root: /var/log/ade/ADE.log

From CLI,

#show logg system ade/ADE.log tail

- Replication.log- Logs for issue after DB import or DMP file transfer

Path from root: /opt/CSCOCpm/logs/replication.log

From CLI,

#show application replication.log tail

- Deployment.log- Logs related to certs, response pages

Path From root: /opt/CSCOCpm/logs/deployment.log

From CLI,

#show logging application deployment.log

Log Analysis

Step 1: Click on **Register ISE Node**

ise330-ise-psc.log:

```
2025-01-31 16:00:01,992 INFO [admin-http-pool2][[]] cpm.admin.infra.spring.ISEAdminControllerUtils -  
::admin::- mapping path found in action-forwards,forwarding to:  
/pages/modules/infra/deployment/deploymentRegister.jsp
```

Step 2: Fill the details of secondary node.

ise330-deployment.log:

```
2025-01-31 16:00:11,313 INFO [admin-http-pool5][[]]  
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331.tac.local:registerNode:-  
Calling register for host FQDNise331.tac.local
```

```
2025-01-31 16:00:11,371 DEBUG [admin-http-pool5][[]]  
deployment.client.cert.validator.HttpsCertPathValidatorImpl -::admin:ise331.tac.local:registerNode:-Is cert  
path valid?true
```

ise331-deployment.log

```
2025-01-31 16:00:11,708 INFO [admin-http-pool14][[]]  
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::--Received request for doPost  
/register
```

```
2025-01-31 16:00:11,710 INFO [admin-http-pool14][[]]  
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::--Received request for  
doGet/register
```

```
2025-01-31 16:00:11,716 INFO [admin-http-pool14][[]]  
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::--Primary hostname retrieved is  
ise330.tac.local
```

Step 3: DNS Resolution

ise330- ise-psc.log:

```
2025-01-31 16:00:13,208 INFO [admin-http-pool5][[]] cpm.admin.infra.action.DeploymentEditAction -  
::admin:ise331.tac.local:registerNode:-Node being registered has FQDN 'ise331.tac.local'.This name  
resolves to IP address10.127.197.175
```

```
2025-01-31 16:00:20,638 INFO [admin-http-pool3][[]] cpm.admin.infra.action.DeploymentEditAction  
-::admin::- Node being added is Secondary PAP :ise331
```

ise331-ise-psc.log

```
2025-01-31 16:00:11,716 INFO [admin-http-pool14][[]] epm.pap.api.handler.CommonUtil -:::--Checking  
if the host ise330.tac.local is dns resolvable
```

```
2025-01-31 16:00:11,721 INFO [admin-http-pool14][[]] epm.pap.api.handler.CommonUtil -:::--Host  
ise330.tac.local is dns resolvable within 5 ms
```

Step 4:Certificates

ise330-ise.psc.log

```
2025-01-31 16:00:20,887 INFO [admin-http-pool5][[]] cpm.admin.infra.action.DeploymentEditAction -
```

::admin:ise331:registerNode:-**preparing to call getServCert**

ise330-deployment.log

2025-01-31 16:00:20,888 DEBUG [admin-http-pool5][[]]

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-

hostAlias ::ise331.tac.local ipAddrString :: 10.127.197.175 urlStr

::<https://ise331.tac.local/admin/API/mnt/api/ServCert>

2025-01-31 16:00:21,419 DEBUG [admin-http-pool5][[]]

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:- GET:

request to<https://ise331.tac.local/admin/API/mnt/api/ServCert> **completed.**

Step 5: Adding secondary node with personas submitted

ise330-ise-psc.log

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]

cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode:- Received NG event:**Add**

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]

cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode:-**Current : Node masterStatus: STANDBY**

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]

cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode:-**Current : NodeRoleStatus: SECONDARY**

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]

cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode:- Current : HostConfig event hostAlias: ise331.tac.local

Node details created and save successfully

ise330-deployment.log

2025-01-31 16:01:22,247 DEBUG [admin-http-pool5][[]]

cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode:- **HostConfig 'ise331' was created successfully**

2025-01-31 16:01:22,251 DEBUG [admin-http-pool5][[]]

cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode:- Retrieved HostConfig [hostName=ise331, displayName=**ise331**, hostId=5ff70820-dfbe-11ef-bb78-12467b70bb3d, gateWay=10.127.197.1,**masterStatus=STANDBY**, nodeRoleStatus=**SECONDARY**, nodeTypes=**PAP+MNT+PDP**, nodeServiceType=SESSION,PROFILER, userName=null, smtpPort=null, smtpHost=null, hostAlias=ise331.tac.local, udiPid=ISE-VM-K9, udiVid=V01, udiSN=S7LEAGKMIHM, udiPT=VM, installType=null, vmInfo=16179780|12|LARGE||2025-01-30 21:44:33 IST|0 MB|0 MHz|4294967295 MB|5000 MHz, isApiNode=false] DBInterface [id=5ff70823-dfbe-11ef-bb78-12467b70bb3d, userName=<not shown>, passWd=<not shown>, portNum=1521, sId=cpm10] MasterInterface [id=5ff70822-dfbe-11ef-bb78-12467b70bb3d, userName=<not shown>, passWd=<not shown>, portNum=80, domainName=Default Domain, contextRoot=admin, serviceType=WEBSERVICE, isSSLEnable=false] NICInterface [id=5ff70821-dfbe-11ef-bb78-12467b70bb3d, ipAddress=**10.127.197.175**, subNetMask=255.255.255.0, macAddress=00-50-56-8b-23-2e, nicCards=eth0]

Step 6: Certificates

ise330-ise-psc.log

2025-01-31 16:01:22,251 INFO [admin-http-pool5][[]] cpm.admin.infra.action.DeploymentEditAction -

::admin:ise331:registerNode:- HostConfig hostId of registering node ise331 at time of local cert save:

5ff70820-dfbe-11ef-bb78-12467b70bb3d. All local certs and CSRs reference the HostConfig using this hostId.

ise330-deployment.log
2025-01-31 16:01:22,841 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
Importing deployment shared certificates
2025-01-31 16:01:22,841 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
Preparing connection

2025-01-31 16:01:23,804 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
connected to registering node
2025-01-31 16:01:23,804 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-**Sending
import CertParams to registering node**
2025-01-31 16:01:23,822 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
Importing CertParams sent to registering node
2025-01-31 16:01:23,823 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
Receiveing imported certs ids

2025-01-31 16:01:24,147 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
Imported certs ids received:
2025-01-31 16:01:24,148 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
Importing deployment shared certificates - done
2025-01-31 16:01:24,382 DEBUG [admin-http-pool5][[]]
cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode:- Inside
getHostConfigForLocalNode to fetch localhostconfig
2025-01-31 16:01:24,382 DEBUG [admin-http-pool5][[]]
cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode:- hostName =
ise330
2025-01-31 16:01:24,385 DEBUG [admin-http-pool5][[]]
cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode:- Retrieved
HostConfig [hostName=ise330, displayName=ise330, hostId=50451540-dee0-11ef-90b1-0050568bb121,
gateWay=10.127.197.1, masterStatus=ACTIVE, nodeRoleStatus=PRIMARY,
nodeTypes=PAP+MNT+PDP, nodeServiceType=SESSION,PROFILER, userName=null, smtpPort=null,
smtpHost=null, hostAlias=ise330.tac.local, udiPid=ISE-VM-K9, udiVid=V01, udiSN=IRJN9DCFIG9,
udiPT=VM, installType=null, vmInfo=16179788|12|LARGE|300 GiB|2025-01-31 01:44:51 IST|0 MB|0
MHz|4294967295 MB|5000 MHz, isApiNode=false] DBInterface [id=50451543-dee0-11ef-90b1-
0050568bb121, userName=<not shown>, passWd=<not shown>, portNum=1521, sId=cpm10]
MasterInterface [id=50451542-dee0-11ef-90b1-0050568bb121, userName=<not shown>, passWd=<not
shown>, portNum=80, domainName=Default Domain, contextRoot=admin, serviceType=WEBSERVICE,
isSSLEnable=true] NICInterface [id=50451541-dee0-11ef-90b1-0050568bb121,
ipAddress=10.127.197.174, subNetMask=255.255.255.0, macAddress=00-50-56-8b-b1-21, nicCards=eth0]

Wildcard check

ise-psc.log <==
2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -::admin:ise331:registerNode:-
Received ISE Local Cert notification.
2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -::admin:ise331:registerNode:-
Local Cert is an EAP cert. Updating KeyAndCertStoreUtil
2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.util.KeyAndCertStoreUtil -::admin:ise331:registerNode:- Received
notification to update this node's EAP cert chain.
2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -::admin:ise331:registerNode:-
Sent update requests.
2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode:- Received ISE Local Cert notification.
2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode:- Checking certificate type
2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode:- Default self-signed server certificate is a wildcard cert: false
2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode:- Checking for SAML, APNS, CMCS or ProfileSigning certificate
2025-01-31 16:01:25,306 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode:- Default self-signed server certificate is it SAML Cert: false
2025-01-31 16:01:25,306 INFO [admin-http-pool5][[]] cisco.cpm.provisioning.cert.CertProvisioningFactory
-::admin:ise331:registerNode:- CertChangeHandler.handle(): building EAP Cert chain on insert event of
Local Certificate and Trust Certificate

ise330-ise-psc.log

2025-01-31 16:01:25,830 INFO [admin-http-pool5][[]] cpm.admin.infra.action.DeploymentEditAction -
::admin:ise331:registerNode:- Saved LocalCertificate: LocalCertificate
[basicCertificateFields=X509BasicCertificateFields[version=0,serialNumber=17382241548535177602714336375,issu
Jan 30 13:32:34 IST 2025,notAfter=Sat Jan 30 13:32:34 IST
2027,subject=CN=ise331.tac.local,issuedTo=ise331.tac.local,issuedBy=ise331.tac.local,certificateFilename=<null>,
id=f0463881-4c64-4ff5-96a2-4f0089f50459,
name=ise331_tac_local#382a40d27abf53ac42387c77#PID\$_ISE-VM-
K9\$_VID\$_V01\$_SN\$_S7LEAGKMIHM, friendlyName=Default self-signed server certificate,
x509Certificate=null, iseRoles=[EAP, Admin, Portal, DTLS], hostConfigId=7ec82060-dee0-11ef-898d-
0050568b232e, hostUDI=PID: ISE-VM-K9, VID: V01, SN: S7LEAGKMIHM, keySize=0,
fipsCompliant=false, privateKeyGuid=[-2, -92, -78, 78, 73, -87, 65, 60, -71, 0, 7, -127, -104, -124, 56, -83],
description=null]
2025-01-31 16:01:25,830 INFO [admin-http-pool5][[]] cpm.admin.infra.action.DeploymentEditAction -
::admin:ise331:registerNode:- Preparing to save LocalCertificate: LocalCertificate
[basicCertificateFields=X509BasicCertificateFields[version=0,serialNumber=17382241611749295087684098633,issu
Jan 30 13:32:41 IST 2025,notAfter=Tue Jan 29 13:32:41 IST
2030,subject=CN=SAML_ise331.tac.local,issuedTo=SAML_ise331.tac.local,issuedBy=SAML_ise331.tac.local,cer
id=26fd28f0-6346-4fd5-8699-312dfd97a8e,
name=SAML_ise331_tac_local#382a40d5e804fc9a4ba71a49#PID\$_ISE-VM-
K9\$_VID\$_V01\$_SN\$_S7LEAGKMIHM, friendlyName=Default self-signed saml server certificate -
CN=SAML_ise331.tac.local, x509Certificate=null, iseRoles=[NO_SSOCert], hostConfigId=7ec82060-
dee0-11ef-898d-0050568b232e, hostUDI=PID: ISE-VM-K9, VID: V01, SN: S7LEAGKMIHM, keySize=0,
fipsCompliant=false, privateKeyGuid=[-18, 47, -17, -88, 79, -30, 69, -12, -73, 120, -111, -36, 40, 27, 43,
68], description=null] Host Name: ise331 Host ConfigId: 5ff70820-df8e-11ef-bb78-12467b70bb3d

ise330-replication.log

2025-01-31 16:01:34,051 DEBUG [admin-http-pool5][[]] cisco.cpm.deployment.replication.PublisherImpl -
::admin:ise331:registerNode:- Add to publish queue Id: 8afb25b0-dfbe-11ef-bb78-12467b70bb3d, seqNo: 0,
data: 3058 bytes

ise330-replication.log

2025-01-31 16:02:14,488 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode:- Tracking
RegistrationAndSync Entering addNodeToDistributionSetup for host: ise331.tac.local
2025-01-31 16:02:14,488 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode:- Tracking
RegistrationAndSync - entering addNodeToDistributionSetupUsingJgroups
2025-01-31 16:02:14,501 INFO [admin-http-pool5][[]]
api.services.persistence.dao.ReplicationStatusDAOImpl -::admin:ise331:registerNode:- Host Name: ise331,
DB 'SEC_REPLICATIONSTATUS' = IN PROGRESS, Node Persona: SECONDARY, ReplicationStatus
obj status: SYNC_INPROGRESS
2025-01-31 16:02:14,502 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode:- Tracking
RegistrationAndSync - exiting addNodeToDistributionSetupUsingJgroups
2025-01-31 16:02:14,502 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode:- Tracking
RegistrationAndSync Done addNodeToDistributionSetup for host: ise331.tac.local

2025-01-31 16:02:14,508 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode:- Tracking
RegistrationAndSync - entering offerSyncRequestToQueue
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]] class com.cisco.epm.fullsync.FullSyncInfoHelper -
::admin:ise331:registerNode:- Created FullSyncInfo[a31cab00-dfbe-11ef-bb78-12467b70bb3d]
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode:- Tracking
RegistrationAndSync The sync request is hostFQDN[ise331.tac.local] exportFilePath[null]
syncRequestIdentifier[null] syncRequestTime[null] syncStatus[SYNC_INPROGRESS]
transientSyncStatus[null] syncRequestType[REGISTER]
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode:- Tracking
RegistrationAndSync - exiting offerSyncRequestToQueue

Step 7: Registering the node in the cluster

ise330-ise-psc.log

2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]] api.services.server.distribution.DistributionImpl -
::admin:ise331:registerNode:- Tracking RegistrationAndSync -**New Reg Code completed for node ise331**
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]] cpm.admin.infra.action.DeploymentEditAction -
::admin:ise331:registerNode:- **Node ise331 was registered successfully with persona(s)Administration,
Monitoring, Policy Service**

Step 8: Firewall Rules

ise330-ise-psc.log

2025-01-31 16:00:39,945 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.FwUtil-
::admin:ise331:registerNode:- **Deployment Hosts IPs: [10.127.197.174, 10.127.197.175]iptables Hosts :
[10.127.197.174]**

2025-01-31 16:00:43,526 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.FwUtil-
::admin:ise331:registerNode:- **syncUpfwList : DB access allowed for ips: [10.127.197.175]**

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.FwUtil-
::admin:ise331:registerNode:- syncUpfwList : DB access disallowed for ips: []

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.JGroupsFWUtil-
::admin:ise331:registerNode:-**Applying Firewall rules for jGroup**

2025-01-31 16:00:53,678 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.JGroupsFWUtil-
::admin:ise331:registerNode:-**Applied Firewall rules for jGroup.**

2025-01-31 16:14:32,420 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- Deployment Hosts IPs: [10.127.197.174, 10.127.197.175]iptables
Hosts : [10.127.197.175, 10.127.197.174]

2025-01-31 16:14:33,605 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access allowed for ips: []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access disallowed for ips: []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::- Applying Firewall rules for jGroup

2025-01-31 16:14:36,173 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::- Applied Firewall rules for jGroup.

2025-01-31 16:14:36,184 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::- Applying Firewall rules for node group.

2025-01-31 16:14:38,964 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::- Applied Firewall rules for node group.

2025-01-31 16:29:33,320 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- Deployment Hosts IPs: [10.127.197.174, 10.127.197.175]iptables
Hosts : [10.127.197.175, 10.127.197.174]

2025-01-31 16:29:35,505 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access allowed for ips: []

2025-01-31 16:29:37,792 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access disallowed for ips: []

2025-01-31 16:29:37,793 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::-**Applying Firewall rules for jGroup**

2025-01-31 16:29:40,551 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::-**Applied Firewall rules for jGroup.**

2025-01-31 16:29:40,558 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::-**Applying Firewall rules for node group.**

2025-01-31 16:29:45,254 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::-**Applied Firewall rules for node group.**

ise331-ise-psc.lohg

2025-01-31 16:00:39,945 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.FwUtil-

::admin:ise331:registerNode:- **Deployment Hosts IPs: [10.127.197.174, 10.127.197.175]iptables Hosts : [10.127.197.174]**

2025-01-31 16:00:43,526 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.FwUtil-
::admin:ise331:registerNode:- syncUpfwList :**DB access allowed for ips: [10.127.197.175]**

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.FwUtil-
::admin:ise331:registerNode:- syncUpfwList : DB access disallowed for ips: []

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.JGroupsFWUtil-
::admin:ise331:registerNode:-**Applying Firewall rules for jGroup**

2025-01-31 16:00:53,678 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.JGroupsFWUtil-
::admin:ise331:registerNode:-**Applied Firewall rules for jGroup.**

2025-01-31 16:14:32,420 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- Deployment Hosts IPs: [10.127.197.174, 10.127.197.175]iptables
Hosts : [10.127.197.175, 10.127.197.174]

2025-01-31 16:14:33,605 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access allowed for ips: []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access disallowed for ips: []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::- Applying Firewall rules for jGroup

2025-01-31 16:14:36,173 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::- Applied Firewall rules for jGroup.

2025-01-31 16:14:36,184 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::- Applying Firewall rules for node group.

2025-01-31 16:14:38,964 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::- Applied Firewall rules for node group.

2025-01-31 16:29:33,320 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- Deployment Hosts IPs: [10.127.197.174, 10.127.197.175]iptables
Hosts : [10.127.197.175, 10.127.197.174]

2025-01-31 16:29:35,505 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access allowed for ips: []

2025-01-31 16:29:37,792 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList : DB access disallowed for ips: []

2025-01-31 16:29:37,793 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::-**Applying Firewall rules for jGroup**

2025-01-31 16:29:40,551 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::-**Applied Firewall rules for jGroup.**

2025-01-31 16:29:40,558 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::-**Applying Firewall rules for node group.**

2025-01-31 16:29:45,254 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-:::-**Applied Firewall rules for node group.**

Step 9: Datadump export until the current system change number (SCN) and transferring files to ise331

ise330-ade.log

2025-01-31T16:02:41.682824+05:30 ise330 root: info:[sync_export.sh]**Starting the datadump export for sync identifier b33db240-dfbe-11ef-bb78-12467b70bb3d...**

2025-01-31T16:02:43.545110+05:30 ise330 root: info:[sync_export.sh] SCN retrieved for sync identifier b33db240-dfbe-11ef-bb78-12467b70bb3d... now starting export for CSCN 6022419 and host ise330025-01-31T16:09:35.095186+05:30 ise330 root: info:[sync_export.sh]**Export success for sync identifier b33db240-dfbe-11ef-bb78-12467b70bb3d...**

ise330-replication.log

2025-01-31 16:02:41,563 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -:::FullSync:-**Processing Sync Requests**
2025-01-31 16:02:41,563 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.FullSyncInfoHelper -:::FullSync:- updateFullSyncStatus:a31cab00-dfbe-11ef-bb78-12467b70bb3d,null

2025-01-31 16:02:41,572 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -:::FullSync:-**Found 1 sync requests.**

2025-01-31 16:02:41,572 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.FullSyncInfoHelper -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
updateFullSyncStatus:a31cab00-dfbe-11ef-bb78-12467b70bb3d,b33db240-dfbe-11ef-bb78-12467b70bb3d
2025-01-31 16:02:41,584 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.ExportImportExecutor -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
Tracking RegistrationAndSync - export script started for identifier [b33db240-dfbe-11ef-bb78-12467b70bb3d]

2025-01-31 16:02:41,586 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.ExportImportExecutor -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-

2025-01-31 16:09:40,602 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.ExportImportExecutor -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
Tracking RegistrationAndSync -export script finished for identifier [b33db240-dfbe-11ef-bb78-12467b70bb3d] returnVal + 0

2025-01-31 16:09:40,602 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
DB Export Completed: returnValue : 0

2025-01-31 16:09:40,603 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
Exported the DB Dump:/opt/oracle/base/admin/cpm10/dpdump/cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp Size(bytes): 131614567

2025-01-31 16:09:40,606 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.FileUtil -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Tracking
RegistrationAndSync -**Creating file /opt/oracle/base/admin/cpm10/dpdump/config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties**

2025-01-31 16:09:40,606 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.FileUtil -:::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Tracking
RegistrationAndSync -**Created file /opt/oracle/base/admin/cpm10/dpdump/config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties**

2025-01-31 16:09:40,606 INFO [Deployment-Sync-Manager-Thread-0][[]]

cisco.epm.fullsync.primary.PrimarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
Created properties file
2025-01-31 16:09:40,606 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Creating file
/opt/oracle/base/admin/cpm10/dpdump/primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks
2025-01-31 16:09:40,688 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Created file
/opt/oracle/base/admin/cpm10/dpdump/primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks
2025-01-31 16:09:40,688 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
Created cert
2025-01-31 16:09:40,688 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.FullSyncInfoHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
updateFullSyncStatus:a31cab00-dfbe-11ef-bb78-12467b70bb3d,b33db240-dfbe-11ef-bb78-12467b70bb3d
2025-01-31 16:09:40,696 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
Sync request hostFQDN[ise331.tac.local]
exportFilePath[/opt/oracle/base/admin/cpm10/dpdump/cpmsync_b33db240-dfbe-11ef-bb78-
12467b70bb3d.dmp] syncRequestIdentifier[b33db240-dfbe-11ef-bb78-12467b70bb3d]
syncRequestTime[Fri Jan 31 16:14:40 IST 2025] syncStatus[SYNC_INPROGRESS]
transientSyncStatus[DBEXPORT_SUCCEEDED] syncRequestType[REGISTER]
2025-01-31 16:09:40,697 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
Added future object to the Map with key :ise331b33db240-dfbe-11ef-bb78-12467b70bb3d, the
syncThreadsFutureMap: {ise331b33db240-dfbe-11ef-bb78-
12467b70bb3d=java.util.concurrent.FutureTask@25d5b491}
2025-01-31 16:09:40,697 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
the timeout set for the Executor thread pool is :300 (minutes)
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.AbstractSyncRequest -:::- Sync thread Deployment-SyncRequest-Thread-0
execution started for the host :ise331, sync identifier :b33db240-dfbe-11ef-bb78-12467b70bb3d
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.AbstractSyncRequest -:::- overriding the sync start time from Fri Jan 31 16:14:40
IST 2025 to Fri Jan 31 16:09:40 IST 2025

Transferring Sync files

2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.AbstractSyncRequest -:::-**Transferring sync files...**
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.FullSyncInfoHelper -:::- updateFullSyncStatus:a31cab00-dfbe-11ef-bb78-
12467b70bb3d,b33db240-dfbe-11ef-bb78-12467b70bb3d
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync - File Name : [
cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp], Size in bytes : [131614567]
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync - File Name : [
primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks], Size in bytes : [25683]
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync - File Name : [
config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties], Size in bytes : [263]
2025-01-31 16:09:40,706 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync - File Name : [

repo_random.key], Size in bytes : [24]
2025-01-31 16:09:41,920 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::::- Creating http connection manager
2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::::- Setting credentials on http client
2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::::- Tracking RegistrationAndSync -**Starting transferring the file to the secondary node ise331.tac.local**
2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::::- Tracking RegistrationAndSync -**the secondary url is <https://ise331.tac.local/deployment-rpc/uploadSyncFiles>**

2025-01-31 16:09:52,567 WARN [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::::-**Successfully Transferd the file to the secondary node ise331.tac.local**
2025-01-31 16:09:52,568 WARN [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::::- Upload complete, response=
2025-01-31 16:09:52,568 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.FullSyncInfoHelper -:::::- updateFullSyncStatus:a31cab00-dfbe-11ef-bb78-12467b70bb3d,b33db240-dfbe-11ef-bb78-12467b70bb3d
2025-01-31 16:09:52,570 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.AbstractSyncRequest -:::::-**Sync files transferred. Now starting the sync process on secondary node...**

Step 10: Receiving files from ise330

ise331-replication.log

2025-01-31 16:09:45,814 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::-**Tracking RegistrationAndSync - starting receiveSyncFiles PAP:**

2025-01-31 16:09:45,819 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Tracking RegistrationAndSync -
Inside downloadSyncFilesAndVerify : Request org.apache.catalina.connector.RequestFacade@524def8e
Response :org.apache.catalina.connector.ResponseFacade@51b18399

2025-01-31 16:09:45,821 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- The max upload file count for
sync set to : 6

2025-01-31 16:09:48,164 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Number of items downloaded : 6

2025-01-31 16:09:48,190 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- FileItem name :
cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp

2025-01-31 16:09:49,228 WARN[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- secondaryChecksum
[9d2a72222b701adc69f8f70a85e83eca3bbbeead3fe025fbac94e9d77fc8fb269]

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Field Name =
cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp,File Name = null,Content type = null,File Size =

131614567

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saving file : cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saved file : cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- FileItem name :
primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Field Name =
primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks,File Name = null,Content type = null,File Size =
25683

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saving file :
primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saved file :
primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- FileItem name :
config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Field Name = config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties,File Name = null,Content type = null,File Size = 263

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saving file : config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saved file : config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- FileItem name : repo_random.key

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Field Name =
repo_random.key,File Name = null,Content type = null,File Size = 24

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saving file : repo_random.key

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::::- Saved file : repo_random.key

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- FileItem name : checksum

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- FileItem name :
syncRequestIdentifier

2025-01-31 16:09:49,229 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::-**Tracking RegistrationAndSync -
about to validateAndPrepareForSync**

2025-01-31 16:09:49,243 INFO[admin-http-pool14][[]] cisco.epm.fullsync.secondary.SecondarySyncHelper
-::::-files downloaded)cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmpconfig_b33db240-dfbe-
11ef-bb78-12467b70bb3d.propertiesprimaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:50,294 INFO[admin-http-pool14][[]] cisco.epm.fullsync.secondary.SecondarySyncHelper
-::::- secondaryChecksum [9d2a72222b701adc69f8f70a85e83eca3bbeead3fe025fbac94e9d77fc8fb269]
primaryChecksum [9d2a72222b701adc69f8f70a85e83eca3bbeead3fe025fbac94e9d77fc8fb269]

2025-01-31 16:09:52,544 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Tracking RegistrationAndSync -
completed receiveSyncFilesTracking RegistrationAndSync -

2025-01-31 16:09:52,901 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Tracking RegistrationAndSync -
about to startSync

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Received syncRequestIdentifier
from PAP: b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Received secondaryHostName
from PAP: ise331.tac.local

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Received primUserDbPwd from
PAP

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Received dataDirectDbPwd from
PAP

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Received nodeExporterPwd from
PAP

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Received piProfilerMetricPwd
from PAP

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::- Received primKekKey from PAP

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::-**Received papAdminPwd from PAP**

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::-**Received syncRequestType from PAP: REGISTER**

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::-**About to invoke startImportSyncPollerScript**

2025-01-31 16:09:52,902 INFO[admin-http-pool14][[]]

cisco.epm.fullsync.secondary.SecondarySyncManager -::::- **Invoke sync poller to wait for sync completion ise331.tac.local b33db240-dfbe-11ef-bb78-12467b70bb3d [PrimaryDBPSWD] REGISTER**

2025-01-31 16:09:53,082 INFO[admin-http-pool14][[]]

cisco.epm.fullsync.secondary.SecondarySyncManager -::::- returning sync poller to wait for sync completion

2025-01-31 16:09:53,083 INFO[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::-invoked startImportSyncPollerScript

2025-01-31 16:10:16,217 DEBUG[main][[]] cisco.cpm.cluster.impl.BaseServiceInvoker -::::-**Registering NodeInfoService**

2025-01-31 16:11:29,181 INFO[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Sending Transient Sync status:DBIMPORT_INITIATED, Node Sync Status:**SYNC_INPROGRESS to PAP**. Sync req id : b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:11:29,199 INFO[main][[]] class com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Reading primary node info from : /opt/oracle/base/admin/cpm10/dpdump/config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:11:29,199 INFO[main][[]] class com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- syncRequestIdentifier..local value : b33db240-dfbe-11ef-bb78-12467b70bb3d & syncRequestIdentifier in config file : b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:11:29,199 INFO[main][[]] class com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Sending sync status to [<https://ise330.tac.local/deployment-rpc/updateSyncStatus>] for syncRequestIdentifier b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:11:29,199 INFO[main][[]] class com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Creating http connection manager

2025-01-31 16:11:29,212 DEBUG[main][[]] class com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- syncRequestIdentifier ---> b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:12:27,369 INFO[main][[]] class com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:- Setting credentials on http client

2025-01-31 16:12:27,744 INFO[main][[]] class com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:- Successfully updated primary with the sync status

Step 11: DB import on ise331

ise331-replication.log

```
2025-01-31 16:12:27,746 INFO[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:-Starting DB import..
```

```
2025-01-31 16:12:27,746 INFO[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:- Script to run [ /usr/bin/sudo /opt/CSCOcpm/bin/sync_import.sh  
ise331.tac.local b33db240-dfbe-11ef-bb78-12467b70bb3d REGISTER ]
```

```
2025-01-31 16:16:20,351 INFO[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:-DB import completed.
```

```
2025-01-31 16:16:20,351 INFO[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:- Script to run [ /usr/bin/sudo /opt/CSCOcpm/bin/setdbpw.sh  
primaryUserDbPWD ]
```

```
2025-01-31 16:18:32,753 INFO[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:- DB password is reset.
```

```
2025-01-31 16:18:32,754 INFO[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -  
::b33db240-dfbe-11ef-bb78-12467b70bb3d:- Sending Transient Sync  
status:SECONDARY_SYNC_COMPLETED, Node Sync Status: SYNC_COMPLETED to PAP
```

ise331-ade.log

```
2025-01-31T16:12:30.546657+05:30 ise331 root: info:[sync_import.sh] b33db240-dfbe-11ef-bb78-  
12467b70bb3d:Starting the datadump import ...
```

```
2025-01-31T16:16:19.734878+05:30 ise331 root: info:[application:operation:sync_import.sh] b33db240-  
dfbe-11ef-bb78-12467b70bb3d:DB Sync Import successfully completed
```

Deleting DB after import is completed

```
2025-01-31T16:16:19.895863+05:30 ise331 root: info:[application:operation:sync_import.sh]Deleting  
provisioning resources from DB after sync completed ...
```

```
2025-01-31T16:16:20.341542+05:30 ise331 root: info:[application:operation:sync_import.sh] b33db240-  
dfbe-11ef-bb78-12467b70bb3d:Released the DATABASE_SYNCIMPORT Lock
```

```
2025-01-31T16:16:20.345768+05:30 ise331 root: info:[application:operation:sync_import.sh] b33db240-  
dfbe-11ef-bb78-12467b70bb3d:Datadump import process completed
```

```
2025-01-31T16:16:20.738342+05:30 ise331 root: info:[application:operation:setdbpw.sh]Resetting  
internal DB user password to match that of ISE Primary
```

Step 12: Updating sync completion status to ise330

ise331-replication.log

```
2025-01-31 16:18:32,754 INFO[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -  
::b33db240-dfbe-11ef-bb78-12467b70bb3d:- Sending Transient Sync  
status:SECONDARY_SYNC_COMPLETED,Node Sync Status: SYNC_COMPLETED to PAP. Sync req  
id : b33db240-dfbe-11ef-bb78-12467b70bb3d
```

2025-01-31 16:29:59,419 INFO[Psc-SyncStatusUpdaterJob-Thread][[]] Replication-Deployment.PrimaryNodeProxy -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Sending ise331's sync status**SYNC_COMPLETED**after full sync to Primary, objId: a31cab00-dfbe-11ef-bb78-12467b70bb3d, syncReqId: b33db240-dfbe-11ef-bb78-12467b70bb3d, hostConfigMdDate: 2025-01-31 16:16:19.880098

ise330-replication.log

2025-01-31 16:29:59,429 INFO[OOB-8,ISERepCluster-F3ixn,ise330-46234][[]] cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-**Recieved status:SYNC COMPLETED**,objid:a31cab00-dfbe-11ef-bb78-12467b70bb3d,syncReqId:b33db240-dfbe-11ef-bb78-12467b70bb3d,hostconfigModDt:2025-01-31 16:16:19.880098 from ise331

2025-01-31 16:29:59,480 INFO[OOB-8,ISERepCluster-F3ixn,ise330-46234][[]] cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-**The update is for the latest full sync information found in the database.**

2025-01-31 16:29:59,480 INFO[OOB-8,ISERepCluster-F3ixn,ise330-46234][[]] cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- Updating ise331's status from**IN PROGRESS to SYNC COMPLETED**

Alarms related to node sync issues

- Slow replication Info
- Slow replication warning
- Slow replication Error
- Replication failed
- Replication Stopped
- Node out of sync

Known Defects

Bug ID	Description
CSCwj67089	Cisco ISE app server crashes while importing large files to secondary node through local disk management.
CSCwi78722	Azure VM: Not able to register node to deployment.
CSCwh70275	While registering node with left over certificates from deregistration, the certificates that are currently in use get deleted.
CSCwh08408	Cisco ISE Release 3.3 cannot register new nodes to the deployment post upgrade due to the node exporter password not being found.