

了解ISE 3.3节点注册流程

目录

[简介](#)

[前提条件](#)

[背景信息](#)

[要求](#)

[所需组件](#)

[所需端口](#)

[需要调试](#)

[节点详细信息](#)

[拓扑](#)

[涉及的时间戳](#)

[注册流程](#)

[PCAP分析](#)

[CLI实用程序](#)

[日志分析](#)

[与节点同步问题相关的警报](#)

[已知缺陷](#)

简介

本文档介绍身份服务引擎(ISE)节点注册前提条件、逐步流程、PCAP分析、日志分析。

前提条件

您必须具备思科身份服务引擎(ISE)的基本知识。

背景信息

- 独立节点：具有单个Cisco ISE节点的部署。此节点运行管理、策略服务和监控角色。
- 分布式部署：具有多个Cisco ISE节点的部署。为了支持故障转移和提高性能，您可以设置一个部署以分布式方式部署多个思科ISE节点。在Cisco ISE分布式部署中，管理和监控活动是集中式，并且处理在策略服务节点之间分布。根据您的性能需求，您可以扩展部署。
- ISE节点可以处于某个状态的主节点、辅助节点或独立节点。
- ISE节点可以承担以下任何角色：管理、策略服务和监控。
- 您需要执行注册过程，将更多节点添加到主节点以形成集群。

要求

- 安装ISE节点后，您必须选择一个节点并将其状态从独立更改为主要。导航到Administration > Deployment，点击ISE节点> Make Primary。
- 您可以在分布式部署中拥有一个主节点。
- 要注册的辅助节点的FQDN必须从主节点解析。必须执行正向和反向DNS查找。
- 两个节点版本/修补程序详细信息是相同的。
- 您必须具有辅助节点的超级管理员凭据。
- 确保两个节点的管理员证书都是受信任的，如果第三方CA签名证书，请将根CA添加到受信任证书存储中。
- 节点之间的延迟小于300毫秒。

所需组件

本文档中的信息基于以下软件和硬件版本

- 思科身份服务引擎3.3
- ISE VM

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

所需端口

- HTTPS(SOAP):TCP/443
- 数据同步/复制(JGroups):TCP/12001
- ISE消息服务：SSL:TCP/8671
- ISE内部通信：TCP/15672
- 分析器终端所有权同步/复制：TCP/6379

需要调试

要设置为调试级别的属性：

- 复制部署 (replication.log和ise-psc.log)
- Replication-JGroup (replication.log和ise-psc.log)
- 复制跟踪器(tracking.log)
- hibernate(hibernate.log)
- JMS(replication.log)
- ca-service(caservice.log)
- admin-ca(ise-psc.log)

节点详细信息

- ise330.tac.local(10.127.197.174)是PAN节点
- ise331.tac.local(10.127.197.175)是SAN节点

拓扑



涉及的时间戳

节点ise331.tac.local在ise330.tac.local上注册

注册单击 — 2025-01-31, 16:00:01

下一次点击 (填写辅助节点FQDN详细信息后) -2025-01-31,16:00:13

提交单击 (选择角色后) -2025-01-31,16:00:21

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

已完成同步-2025-01-31 16:30:54

注册流程

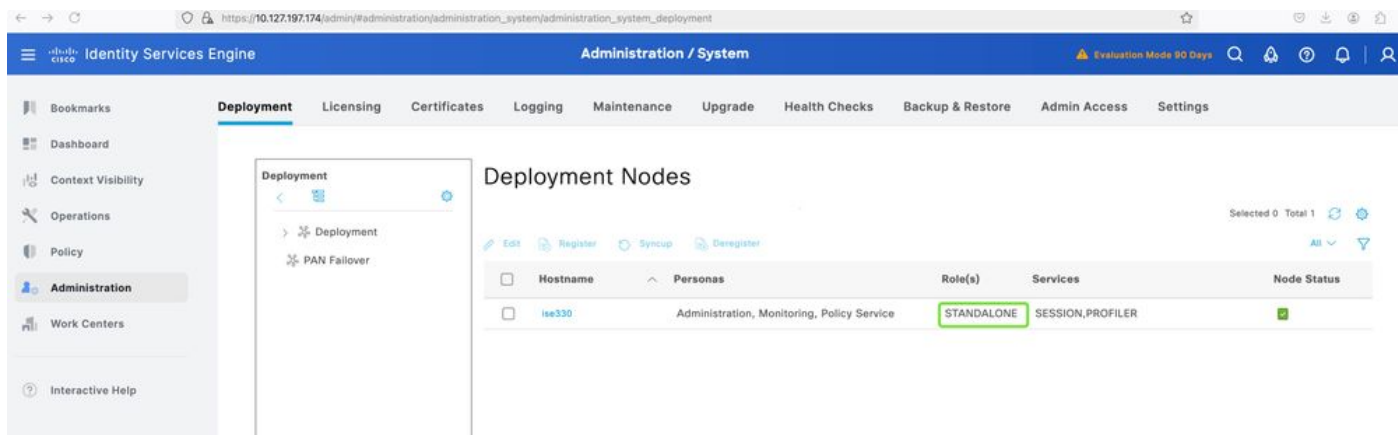
节点注册：从主管理节点到辅助节点的经过身份验证的配置数据库复制过程

步骤 1：将ISE节点作为主节点

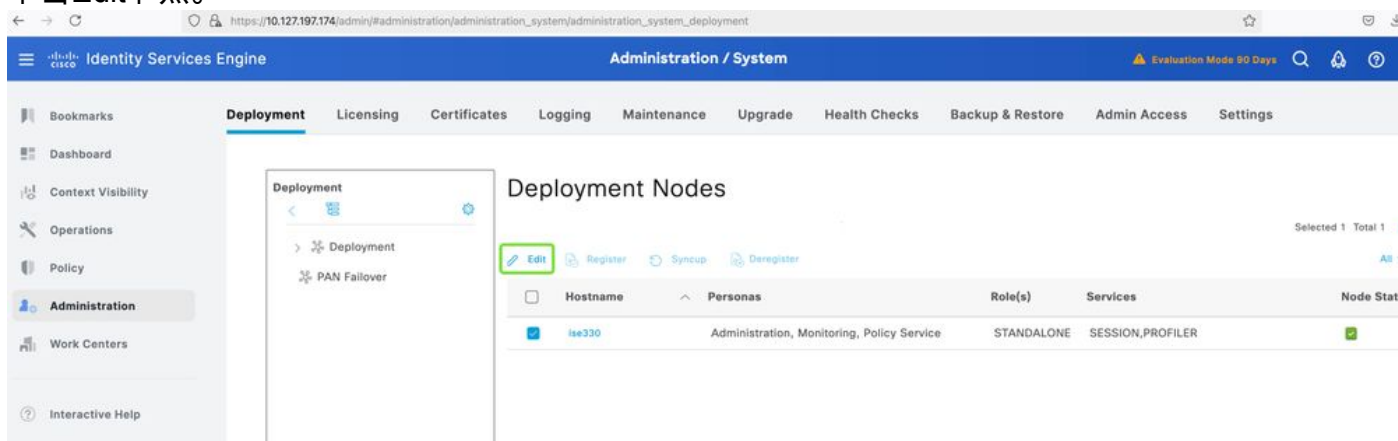
最初，每个节点都处于独立模式。要注册其他节点，请将其中一个节点设置为主节点。

导航到Administration > Deployment > 点击ISE节点/编辑节点。

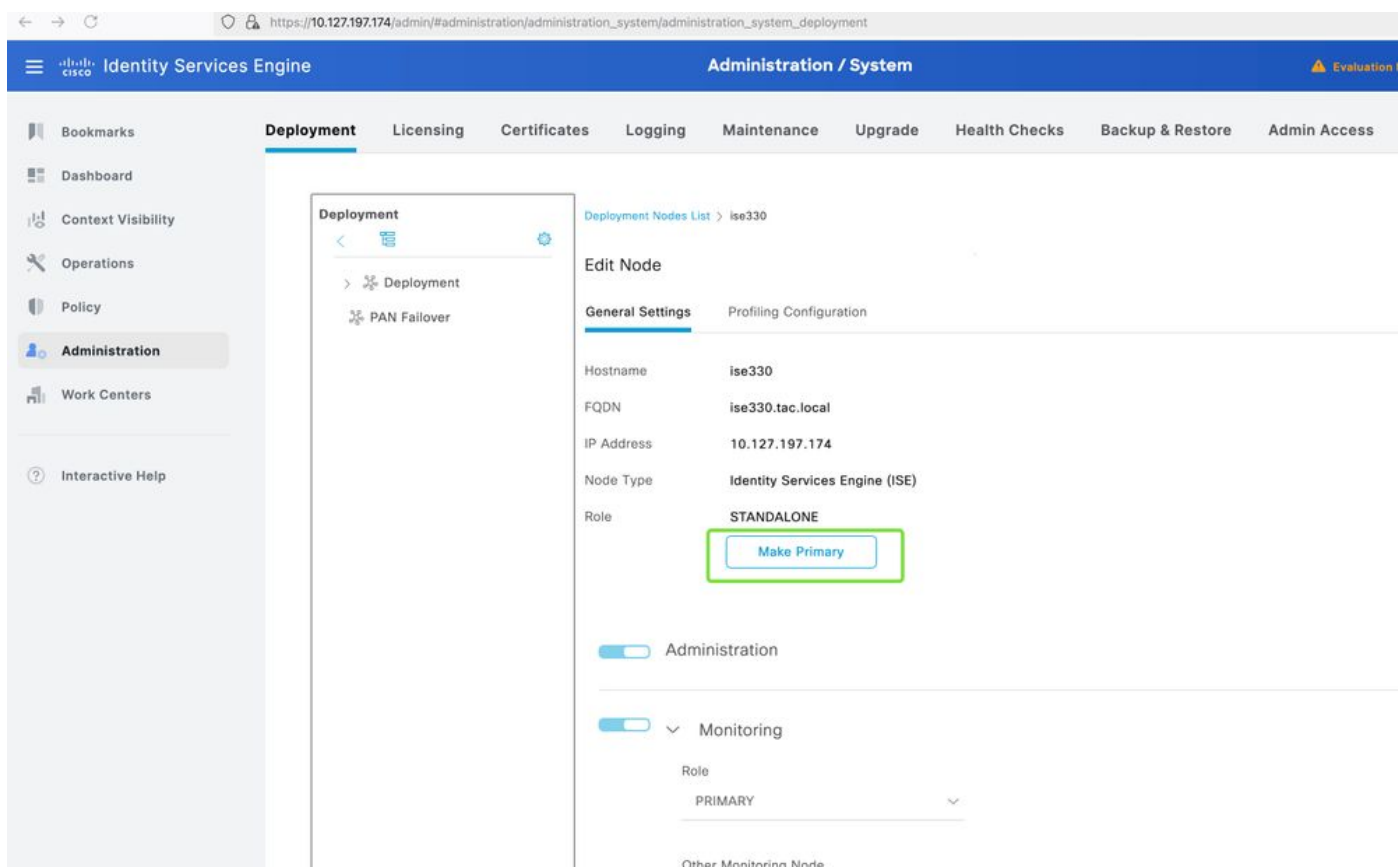
单击Make Primary。



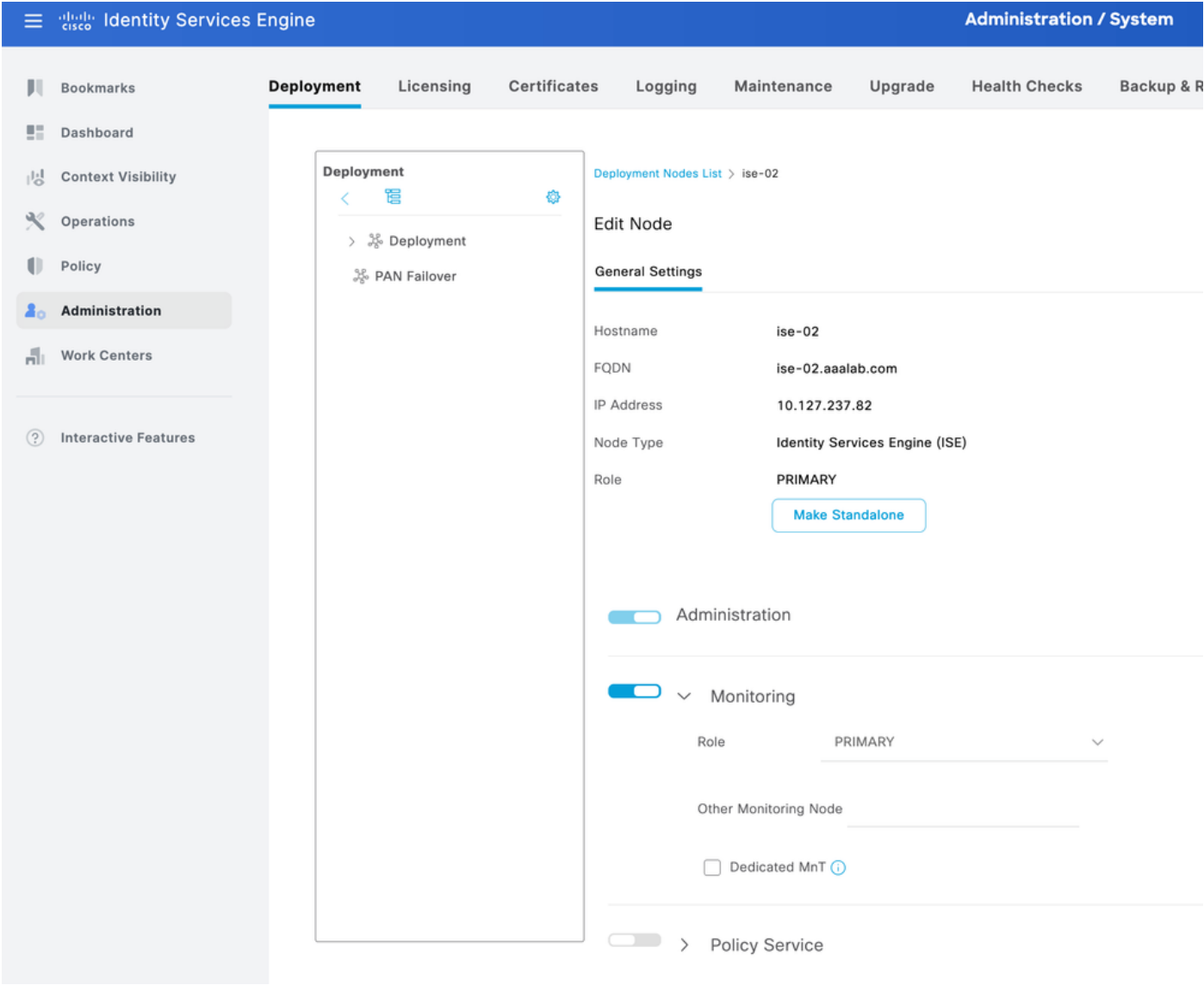
单击Edit节点。



单击Make Primary并Save。



该角色现在成为主角色。

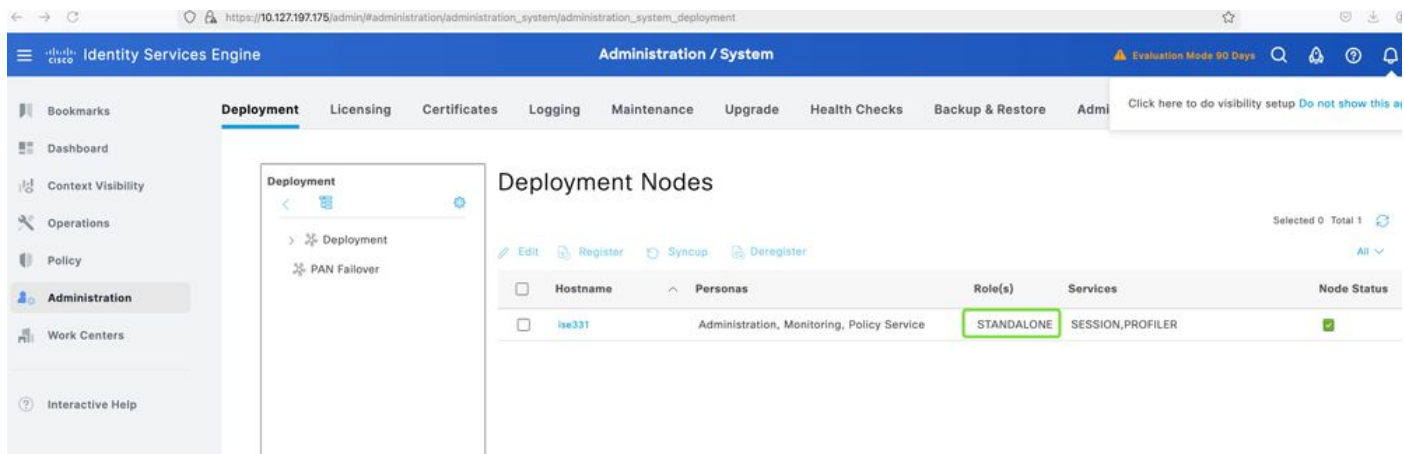


步骤 2：注册辅助节点

要注册的节点必须处于独立模式。

转到辅助节点并获取FQDN。

导航到管理>部署。单击节点名称。

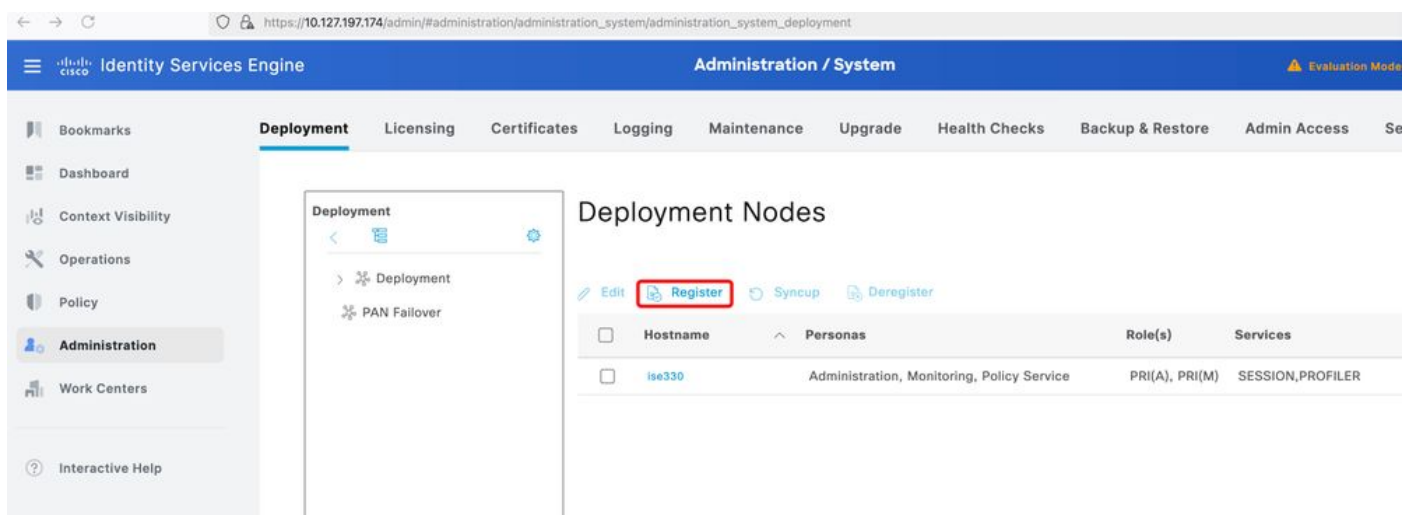


转到PAN GUI。

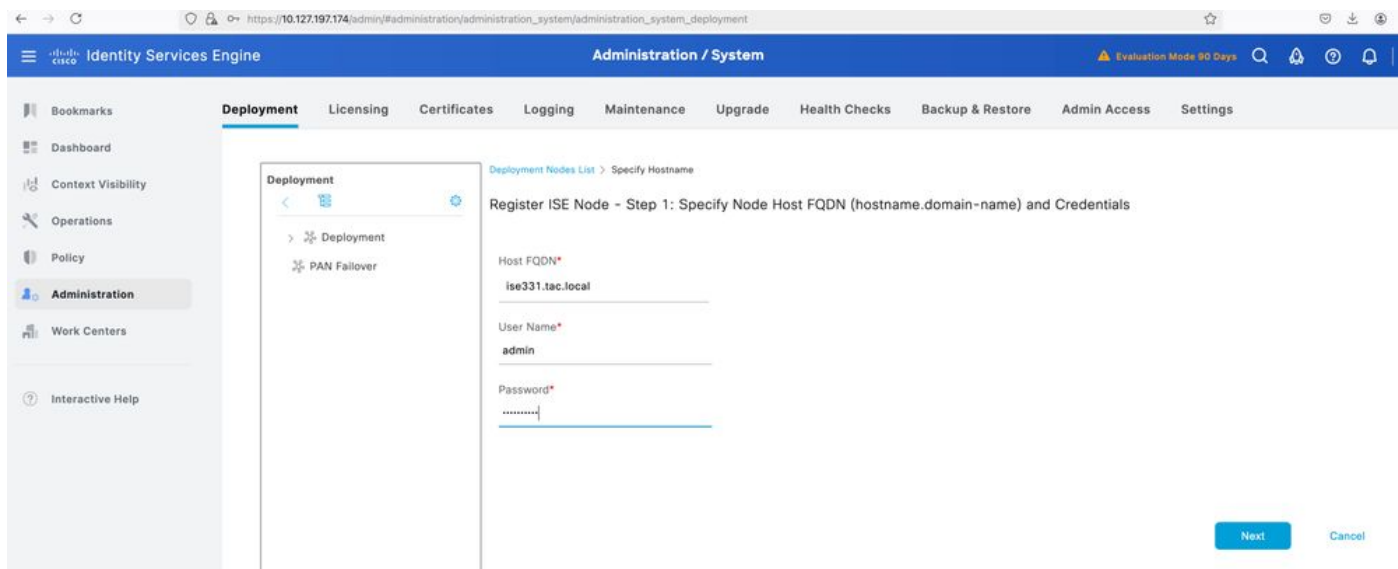
导航到管理>部署。

单击Register。

它要求注册节点的FQDN和凭证。

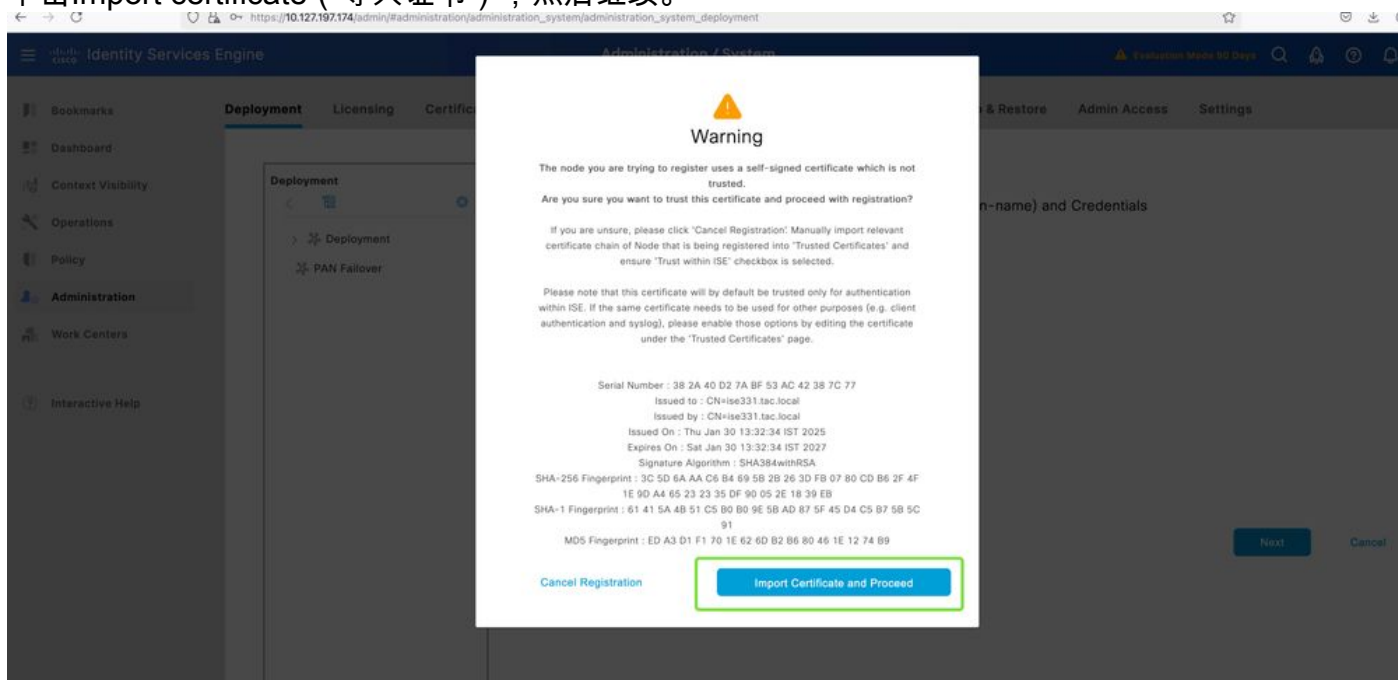


输入辅助节点的FQDN和超级管理员用户凭证。

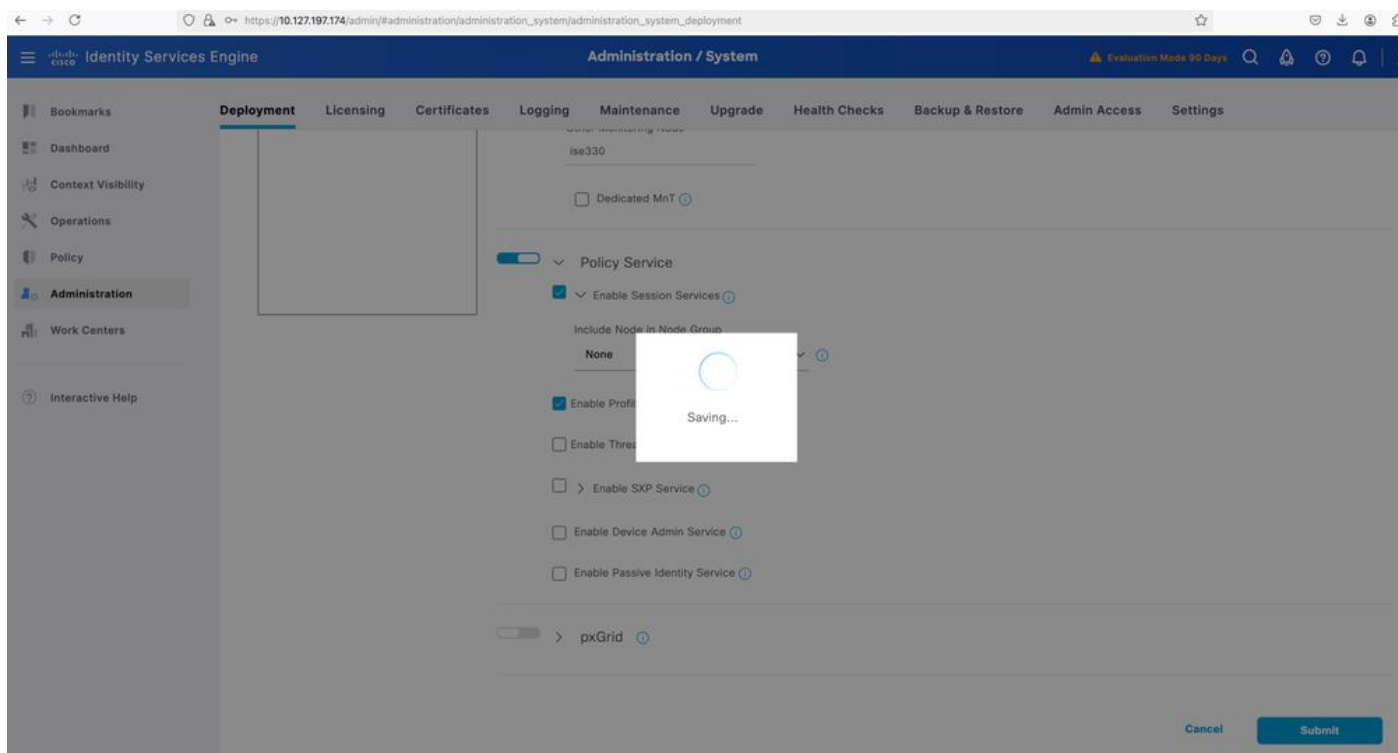
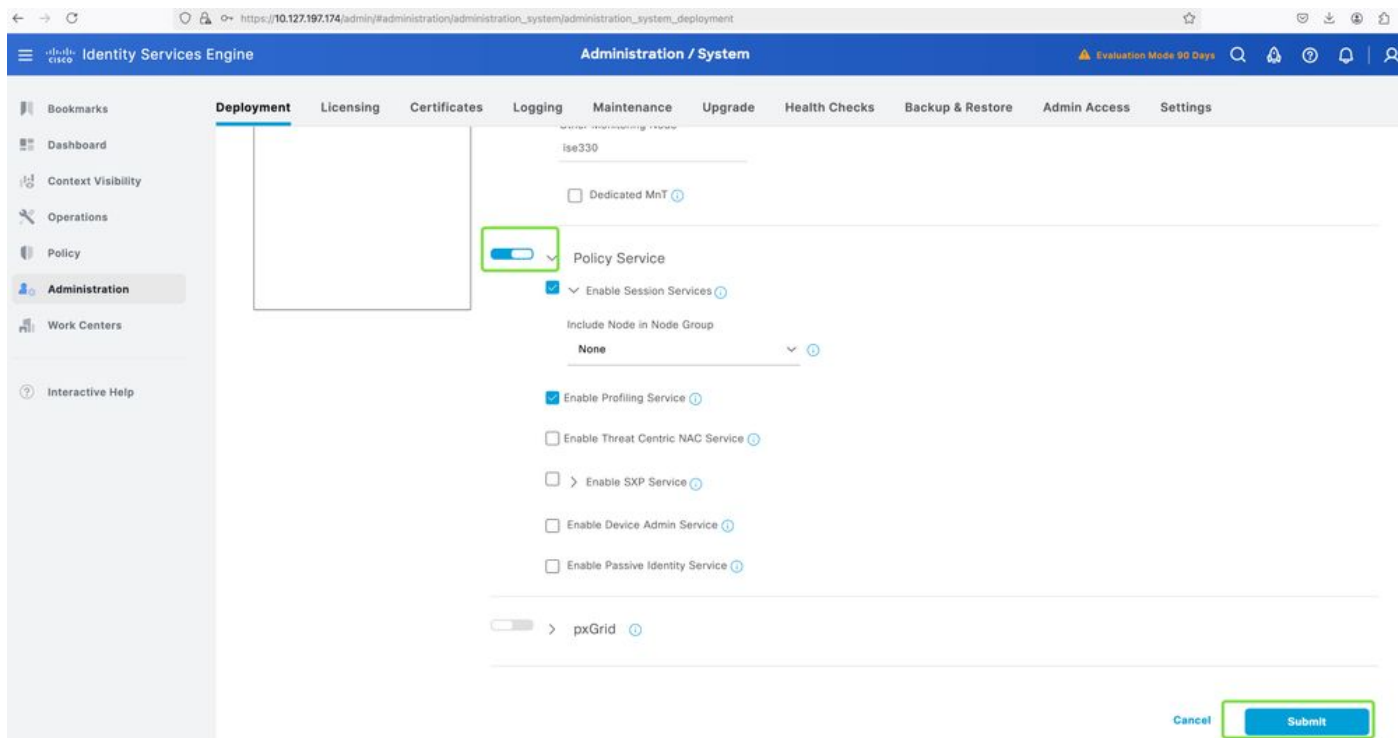


单击Next时，它会导入辅助节点的证书。

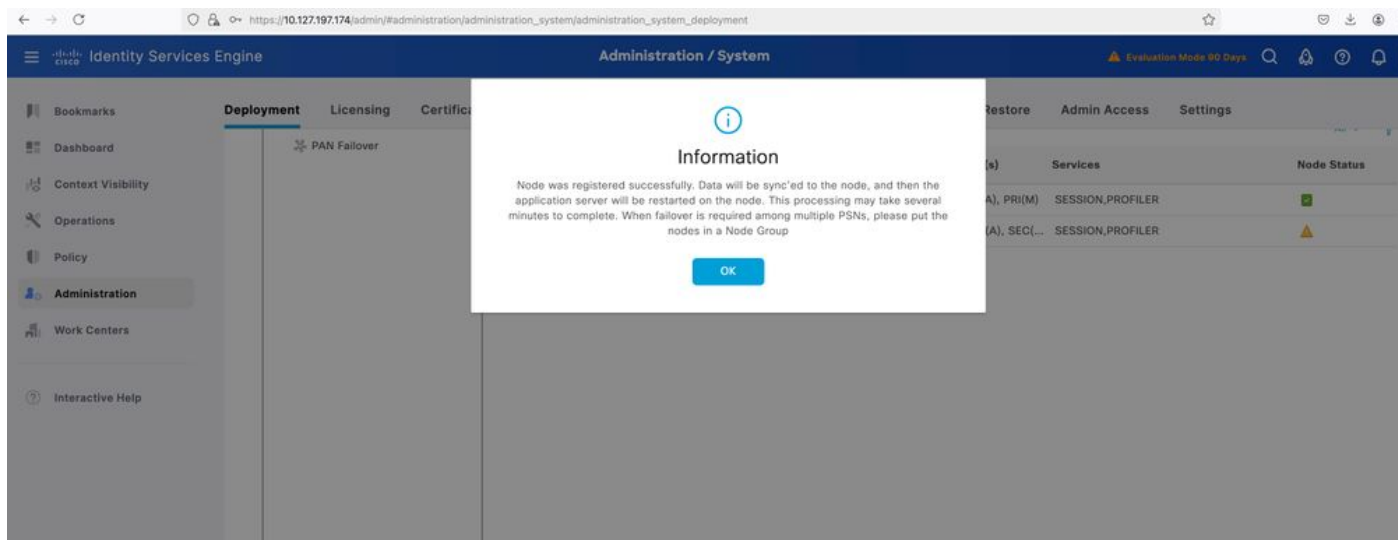
单击Import certificate (导入证书)，然后继续。



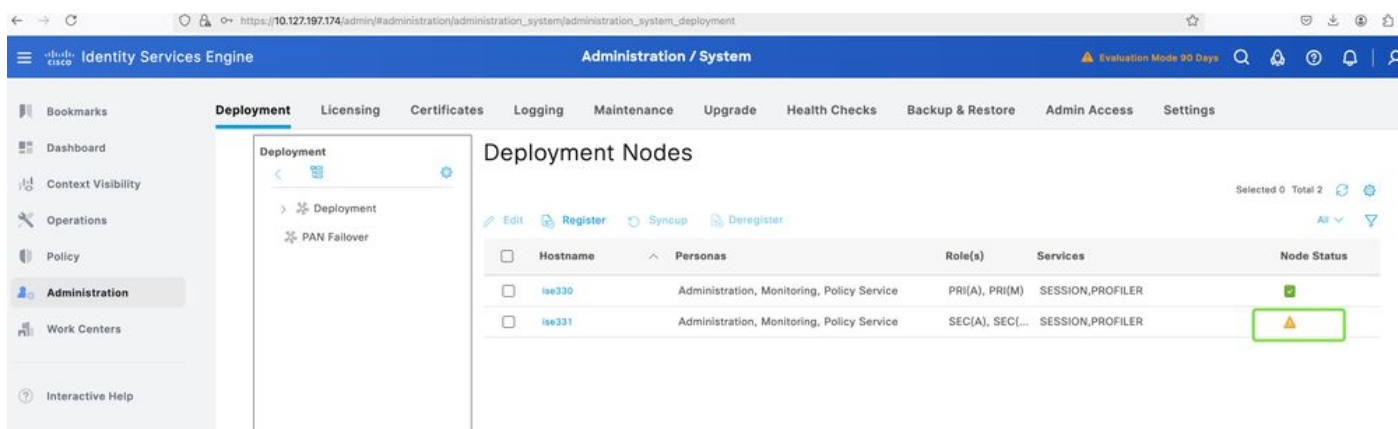
现在选择辅助节点上所需的角色，然后单击Submit。



然后，辅助节点注册到主节点。单击OK。



验证添加到PAN的辅助节点和琥珀色表示正在注册/同步。



步骤 4：当您选择辅助管理节点(SAN)时，需要续订许可证。它不适用于PSN。

导航到管理>许可。

点击续订注册。

Identity Services Engine

Administration / System

DeploymentLicensingCertificatesLoggingMaintenanceUpgradeHealth ChecksBackup & RestoreAdmin AccessSettings

Bookmarks

Dashboard

Context Visibility

Operations

Policy

Administration

Work Centers

Interactive Features

License Notifications

Expand To Show

Clear 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 Registration

Deregister

UDI Details

PRIMARY PAN

SECONDARY PAN

Product Identifier (PID)

ISE-VM-K9

Product Identifier (PID)

ISE-VM-K9

Version Identifier (VID)

V01

Version Identifier (VID)

V01

Serial Number (SN)

86MBMEIDDL6

Serial 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.

Enable

Disable

Refresh

步骤 5：注册成功。

DeploymentLicensingCertificatesLoggingMaintenanceUpgradeHealth ChecksBackup & RestoreAdmin AccessSettings

Bookmarks

Dashboard

Context Visibility

Operations

Policy

Administration

Work Centers

Interactive Help

Deployment

< Deployment

PAN Failover

Deployment Nodes

Selected 0 Total 2

Edit

Register

Syncup

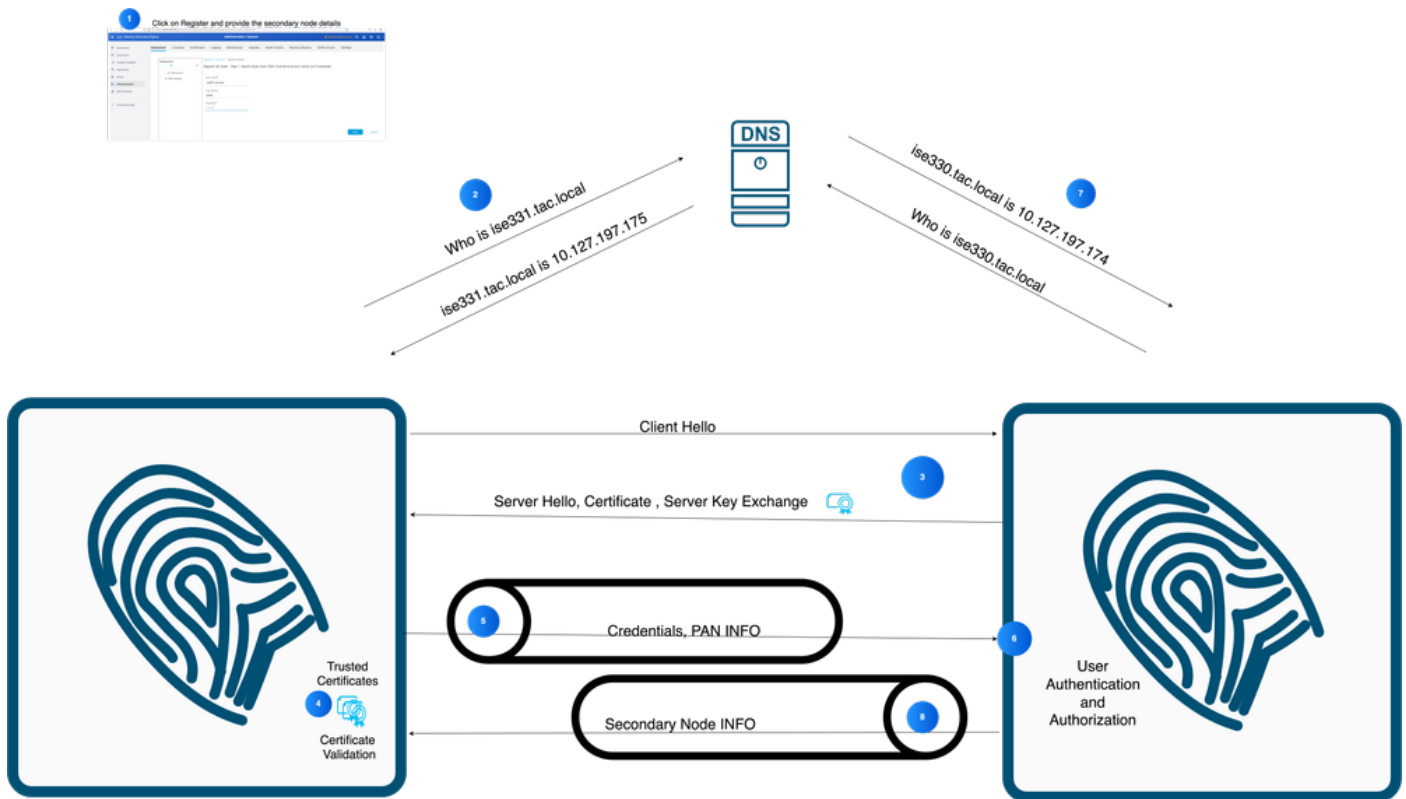
Deregister

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分析

在PCAP中，您会看到DNS、443上的证书交换。



DNS流量：当您点击注册并提供FQDN时，主节点会尝试解析辅助节点的FQDN。

No.	Time	Delta	Source	Destination	Protocol	Info	Handshake
915	2025-01-31 16:00:03.767242	0.000000	10.127.197.174	10.127.197.172	DNS	Standard query 0xe12a A ise330.tac.local OPT	
916	2025-01-31 16:00:03.769292	0.002050	10.127.197.172	10.127.197.174	DNS	Standard query response 0xe12a A ise330.tac.local A 10.127.197.174 OPT	
919	2025-01-31 16:00:03.822273	0.052981	10.127.197.174	10.127.197.172	DNS	Standard query 0x3cfd A ise330.tac.local	
920	2025-01-31 16:00:03.823016	0.000743	10.127.197.172	10.127.197.174	DNS	Standard query response 0x3cfd A ise330.tac.local A 10.127.197.174	
921	2025-01-31 16:00:03.823788	0.000772	10.127.197.174	10.127.197.172	DNS	Standard query 0x0b93 AAAA ise330.tac.local	
922	2025-01-31 16:00:03.824253	0.000465	10.127.197.172	10.127.197.174	DNS	Standard query response 0x0b93 AAAA ise330.tac.local 50A win-bosoh32q26r.ta..	
925	2025-01-31 16:00:03.880054	0.055801	10.127.197.174	10.127.197.172	DNS	Standard query 0x8401 PTR 172.197.127.10.in-addr.arpa	
926	2025-01-31 16:00:03.880663	0.000609	10.127.197.172	10.127.197.174	DNS	Standard query response 0x8401 PTR 172.197.127.10.in-addr.arpa PTR WIN-B050..	
3199	2025-01-31 16:00:58.391879	54.511216	10.127.197.174	10.127.197.172	DNS	Standard query 0xe9fd PTR ise331.tac.local	
3200	2025-01-31 16:00:58.392568	0.000689	10.127.197.172	10.127.197.174	DNS	Standard query response 0xe9fd PTR ise331.tac.local 50A win-bosoh32q26r.tac..	

Frame 3199: 76 bytes on wire (608 bits), 76 bytes captured (608 bits)
 Ethernet II, Src: VMware_8b:b1:21 (00:50:56:8b:b1:21), Dst: VMware_8b:89:86 (00:50:56:8b:89:86)
 Internet Protocol Version 4, Src: 10.127.197.174, Dst: 10.127.197.172
 User Datagram Protocol, Src Port: 55071, Dst Port: 53
 Domain Name System (query)
 Transaction ID: 0xe9fd
 Flags: 0x0100 Standard query
 Questions: 1
 Answer RRs: 0
 Authority RRs: 0
 Additional RRs: 0
 Queries
 ise331.tac.local: type PTR, class IN
 Name: ise331.tac.local
 [Name Length: 16]
 [Label Count: 3]
 Type: PTR (domain name Pointer) (12)
 Class: IN (0x0001)
 [Response In: 3200]

您还可以看到两个节点之间的证书交换。

客户端问候消息

ip.addr==10.127.197.175									
k	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=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: 0c36061ace9a658bce51fef5eba0fc7a4e91f3abf1c53fe279404ea0794e60ea 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) [JAZ 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] [JAZ: 06ee41ca81c0aae6c3d50b0dfe941996]									

服务器Hello、证书、服务器密钥交换、服务器Hello

我们可以看到ise331.tac.local将其证书共享给PAN节点。

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: ee8ae1606327f6c8022d9dd4a0eebe38215e4d3e7d4fff79a9f09c18d4e57db
 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: 308205343082031ca00302010202c382a40d27abf53ac42387c77300d06092a8648867... (id-at-commonName=ise331.tac.local)
 signedCertificate
 > algorithmIdentifier (sha384withRSAEncryption)
 Algorithm ID: 1.2.840.113549.1.1.12 (sha384withRSAEncryption)
 Padding: 0
 encrypted: a3e9c9eb84a2f8a27a517d3f7ace70a6bb666ad0fa4b5d982f438f7a5cd5c1b7ed76ba4...
 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) on interface 0
 Ethernet II, Src: 08:00:27:00:00:00, Dst: 08:00:27:00:00:00, Protocol: TLSv1.2 (00:50:56:00:23:20)
 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): 18577469
 [Next Sequence Number: 327 (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: 0xa0cd [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: 04ce2b65c3abada429d58dc5487ce0e3c156102aa3711d12642f428c20426228da6e...

客户端密钥交换具有公钥。

两个节点都修复密码套件并创建加密隧道以共享详细信息。

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实用程序

- ise-psc.log - DNS查询/证书验证/证书复制/同步状态控制

从根目录开始的路径：/opt/CSCOcpm/logs/ise-psc.log

在CLI中，

```
#show logg application ise-psc.log tail
```

- ADE.log — 数据库导入/导出，服务启动/停止

根路径：/var/log/ade/ADE.log

在CLI中，

```
#show logg system ade/ADE.log tail
```

- Replication.log — 在数据库导入或DMP文件传输后记录问题

从根目录开始的路径：/opt/CSCOcpm/logs/replication.log

在CLI中，

```
#show application replication.log tail
```

- Deployment.log — 与证书、响应页面相关的日志

根路径：/opt/CSCOcpm/logs/deployment.log

在CLI中，

```
#show logging application deployment.log
```

日志分析

步骤 1：点击注册ISE节点

ise330-ise-psc.log:

```
2025-01-31 16:00:01,992 INFO [admin-http-pool2][[]]
cpm.admin.infra.spring.ISEAdminControllerUtils -::admin:: — 在action-forwards中找到的映射路径
，转发到：/pages/modules/infra/deployment/deploymentRegister.jsp
```

步骤 2：填写辅助节点的详细信息。

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:-证书路径是否有效？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 -::: — 检索到的主主机名为
ise330.tac.local
```

步骤 3：DNS解析

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: — 正在注册
的节点具有FQDN“ise331.tac.local”。此名称解析为IP地址10.127.175
```

```
2025-01-31 16:00:20,638 INFO [admin-http-pool3][[]]
cpm.admin.infra.action.DeploymentEditAction -::admin:: — 正在添加的节点是辅助PAP :ise331
```

ise331-ise-psc.log

2025-01-31 16:00:11,716 INFO [admin-http-pool14][[]] epm.pap.api.handler.CommonUtil -::: — 正在检查主机ise330.tac.local是否可解析。

2025-01-31 16:00:11,721 INFO [admin-http-pool14][[]] epm.pap.api.handler.CommonUtil -::: -Host ise330.tac.local可在5毫秒内解析dns

第4步：证书

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:请求[tohttps://ise331.tac.local/admin/API/mnt/api/ServCert](https://ise331.tac.local/admin/API/mnt/api/ServCert)已完成。

步骤 5：添加已提交角色的辅助节点

ise330-ise.psc.log

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]
cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode: — 收到的
NG事件：Add

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]
cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode:-Current
:节点master状态：备用

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]
cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode:-Current
:NodeRoleStatus:辅助

2025-01-31 16:00:21,905 INFO [admin-http-pool5][[]]
cisco.mnt.dbms.handler.DataSourceReInitializingHandler -::admin:ise331:registerNode: — 当前
: HostConfig event hostAlias:ise331.tac.local

已成功创建并保存节点详细信息

ise330-deployment.log

2025-01-31 16:01:22,247 DEBUG [admin-http-pool5][[]]
cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode:-
HostConfig 'ise331'已成功创建

2025-01-31 16:01:22,251 DEBUG [admin-http-pool5][[]]
cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode: — 检索的
主机配置[hostName=ise331, displayName=ise331, hostId=5ff70820-dfbe-11ef-bb78-

12467b70bb3d , gateWay=1 0.127.197.1、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=Vid=Sn =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 , user
name=<not shown>, passWd=<not shown>, portNum=1521, sld=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 FF70821-DFBE-11EF-
BB78-12467B70BB3D , IPAddress=10.127.197.175, SUBNetMasK=255.255.255.0,
MACAddress=00-50-56-8B-23-2E , NICCarDS=ETH0]

步骤 6 : 证书

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。所有
本地证书和CSR都使用此hostId引用HostConfig。

ise330-deployment.log

2025-01-31 16:01:22,841 DEBUG [admin-http-pool5][[]]

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
导入部署共享证书

2025-01-31 16:01:22,841 DEBUG [admin-http-pool5][[]]

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
— 正在准备连接

2025-01-31 16:01:23,804 DEBUG [admin-http-pool5][[]]

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
— 已连接到注册节点

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:-
— 导入发送到注册节点的证书参数

2025-01-31 16:01:23,823 DEBUG [admin-http-pool5][[]]

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:-
— 接收导入的证书id

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 — 完成

2025-01-31 16:01:24,382 DEBUG [admin-http-pool5][[]]

cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode: — 内部
getHostConfigForLocalNode获取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: — 检索的
主机配置[主机名=ise330 , 显示名称=ise330 , 主机Id=50451540-dee0-11ef-90b1-
0050568bb121,gateWay=10.7.197.1, 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=IRN9DCFIG9, udiPT =VM , installType=null , vmlInfo=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=<未显示>, passWd <not
shown>, portNum=1521, sld=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=50451541-0-11ef-90b10050568 bb121,
ipAddress=10.127.197.174, subNetMask=255.255.255.0, macAddress=00-50-56-8b-b1-21,
nicCards=eth0]

通配符检查

ise-psc.log <==

2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -
::admin:ise331:registerNode: — 已收到ISE本地证书通知。

2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -
::admin:ise331:registerNode: — 本地证书是EAP证书。正在更新KeyAndCertStoreUtil

2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.util.KeyAndCertStoreUtil -::admin:ise331:registerNode: — 已收到
更新此节点的EAP证书链的通知。

2025-01-31 16:01:25,304 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -
::admin:ise331:registerNode: — 已发送更新请求。

2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 已收到ISE本地证书通知。

2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 正在检查证书类型

2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]

cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -

::admin:ise331:registerNode: — 默认自签名服务器证书是通配符证书：假
2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 正在检查SAML、APNS、CMCS或ProfileSigning证书
2025-01-31 16:01:25,306 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 默认自签名服务器证书是SAML证书：假
2025-01-31 16:01:25,306 INFO [admin-http-pool5][[]]
cisco.cpm.provisioning.cert.CertProvisioningFactory -::admin:ise331:registerNode:-
CertChangeHandler.handle():在本地证书和信任证书的插入事件上构建EAP证书链

ise330-ise-psc.log

2025-01-31 16:01:25,830 INFO [admin-http-pool5][[]]
cpm.admin.infra.action.DeploymentEditAction -::admin:ise331:registerNode: — 保存的
LocalCertificate:LocalCertificate
[basicCertificateFields=X509BasicCertificateFields[version=0,serialNumber=17382241548535177602714
Jan 30 13:32:34 IST 2025,notAfter=Sat Jan 30 13:32:34 IST
2027,subject=CN=ise331.tac.local , issuedTo=ise3333
31.tac.local , certificateFilename=<null>,digestHash=<null>],id=f0463881-4c64-4ff5-96a2-
4f0089f50459,name=ise331_tac_local#382a40d27abf53ac42387c77#PID\$_ISE-VM-
K9\$_VID\$_V01\$_S7LEAGKMIHM name , friendly =默认自签名服务器证书、
x509Certificate=null、 iseRoles=[EAP、 Admin、 Portal、 DTLS]、 hostConfigId=7ec82060-dee0-
11ef-898d-0050568b232e、 hostUDI=PID:ISE-VM-K9,VID:V01 , 序列号 : S7LEAGKMIHM ,
keySize=0, fipsCompliant=false , privateKeyGuid=[-2, -92, -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: — 正在准备保存
LocalCertificate:LocalCertificate
[basicCertificateFields=X509BasicCertificateFields[version=0,serialNumber=17382241611749295087684
Jan 30 13:32:41 IST 2025,notAfter=Tue Jan 29 13:32:41 IST
2030,subject=CN=SAML_ise31.tac.local , issuedTo=SAML_ise31.tac
local , issuedBy=SAML_ise331.tac.local , certificateFilename=<null>,digestHash=<null>],id=26fd28f0-
6346-4fd5-8699-
312dfdf97a8e , name=SAML_ise331_tac_local#382a40d5e804fc9a4ba71a49#PID\$_ISE-VM-k9
\$_VID\$_V01\$_SN\$_S7LEAGKMIHM , friendlyName=默认自签名saml服务器证书 —
CN=SAML_ise331.tac.local , x509Certificate=null , iseRoles=[NO_SSOCert],
hostConfigId=7ec82060-dee0-11ef-898d-0050568b232e , hostUDI=PID:ISE-VM-K9,VID:V01 , 序
列号 : S7LEAGKMIHM , keySize=0, fipsCompliant=false , privateKeyGuid=[-18, 47, -17, -88, 79,
-30, 69, -12, -73, 120, -111, -36, 40, 27, 43, 68], description=null]主机名 : ise331主机配置
Id:5ff70820-dfbc-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: — 添加到发布队列
ID:8afb25b0-dfbc-11ef-bb78-12467b70bb3d , 序列号 : 0 , 数据 : 3058 bytes

ise330-replication.log

```

2025-01-31 16:02:14,488 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 正在
跟踪注册并同步为主机输入addNodeToDistributionSetup:ise331.tac.local
2025-01-31 16:02:14,488 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟踪
RegistrationAndSync — 输入addNodeToDistributionSetupUsingJgroups
2025-01-31 16:02:14,501 INFO [admin-http-pool5][[]]
api.services.persistence.dao.ReplicationStatusDAImpl -::admin:ise331:registerNode: — 主机名
: ise331 , 数据库'SEC_REPLICATIONSTATUS' =进行中, 节点角色 : SECONDARY、
ReplicationStatus对象状态 : SYNC_INPROGRESS
2025-01-31 16:02:14,502 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟踪
RegistrationAndSync — 正在退出addNodeToDistributionSetupUsingJgroups
2025-01-31 16:02:14,502 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟踪
注册和同步完成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: — 跟踪
RegistrationAndSync — 输入offerSyncRequestToQueue
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]] class
com.cisco.epm.fullsync.FullSyncInfoHelper -::admin:ise331:registerNode: — 创建的FullSyncInfo[
a31cab00-df8e-11ef-bb78-12467b70bb3d ]
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟踪
RegistrationAndSync同步请求是hostFQDN[ise331.tac.local] exportFilePath[null]
syncRequestIdentifier[null] syncRequestTime[null] syncStatus[SYNC_INSYNC
TransIENTSyncStatus[NULL] SYNCRequestType[REGISTER]
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟踪
RegistrationAndSync — 退出offerSyncRequestToQueue

```

步骤 7 : 在群集中注册节点

```

ise330-ise-psc.log
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
api.services.server.distribution.DistributionImpl -::admin:ise331:registerNode: — 跟踪
RegistrationAndSync — 节点ise331的新注册码已完成
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
cpm.admin.infra.action.DeploymentEditAction -::admin:ise331:registerNode: — 节点ise331已成功
注册到角色管理、监控、策略服务

```

步骤 8::防火墙规则

```

ise330-ise-psc.log
2025-01-31 16:00:39,945 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。FwUtil-

```

::admin:ise331:registerNode: — 部署主机IP:[10.127.197.174, 10.127.197.175]iptables主机 : [10.127.197.174]

2025-01-31 16:00:43,526 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。FwUtil-
::admin:ise331:registerNode:- syncUpfwList:允许对ips进行DB访问 : [10.127.197.175]

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。FwUtil-
::admin:ise331:registerNode:- syncUpfwList :不允许对ips进行DB访问 : []

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil::admin:ise331:registerNode: — 应用jGroup的防火墙规则

2025-01-31 16:00:53,678 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil::admin:ise331:registerNode: — 适用于jGroup的已应用防火墙规则。

2025-01-31 16:14:32,420 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-::: — 部署主机IP:[10.127.197.174, 10.127.197.175]iptables主机 : [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 :允许对ips进行DB访问 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-::::- syncUpfwList :不允许对ips进行DB访问 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-:::: — 为jGroup应用防火墙规则

2025-01-31 16:14:36,173 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-:::: — 已应用jGroup的防火墙规则。

2025-01-31 16:14:36,184 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-:::: — 为节点组应用防火墙规则。

2025-01-31 16:14:38,964 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-:::: — 已应用节点组的防火墙规则。

2025-01-31 16:29:33,320 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-::: — 部署主机IP:[10.127.197.174, 10.127.197.175]iptables主机 : [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 :允许对ips进行DB访问 : []

2025-01-31 16:29:37,792 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-::::- syncUpfwList :不允许对ips进行DB访问 : []

2025-01-31 16:29:37,793 INFO [DefaultQuartzScheduler_Worker-5][[]]

cisco.cpm.infrastructure.utils.JGroupsFWUtil-::: — 为jGroup应用防火墙规则

2025-01-31 16:29:40,551 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::: — 适用于jGroup的防火墙规则。

2025-01-31 16:29:40,558 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 正在对节点组应用防火墙规则。

2025-01-31 16:29:45,254 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 节点组的已应用防火墙规则。

ise331-ise-psc.lohg

2025-01-31 16:00:39,945 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。 FwUtil-
::admin:ise331:registerNode: — 部署主机IP:[10.127.197.174, 10.127.197.175]iptables主机
: [10.127.197.174]

2025-01-31 16:00:43,526 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。 FwUtil-
::admin:ise331:registerNode:- syncUpfwList:允许ips访问数据库 : [10.127.197.175]

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。 FwUtil-
::admin:ise331:registerNode:- syncUpfwList :不允许对ips进行DB访问 : []

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::admin:ise331:registerNode: — 应用jGroup的防火墙
规则

2025-01-31 16:00:53,678 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::admin:ise331:registerNode: — 适用于jGroup的已应
用防火墙规则。

2025-01-31 16:14:32,420 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。 FwUtil-::: — 部署主机IP:[10.127.197.174, 10.127.197.175]iptables主
机 : [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 :允许对ips进行DB访问 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。 FwUtil-::::- syncUpfwList :不允许对ips进行DB访问 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::: — 为jGroup应用防火墙规则

2025-01-31 16:14:36,173 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::::: — 已应用jGroup的防火墙规则。

2025-01-31 16:14:36,184 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::::: — 为节点组应用防火墙规则。

2025-01-31 16:14:38,964 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 已应用节点组的防火墙规则。

2025-01-31 16:29:33,320 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::: — 部署主机IP:[10.127.197.174, 10.127.197.175]iptables主
机 : [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 :允许对ips进行DB访问 : []

2025-01-31 16:29:37,792 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-:::- syncUpfwList :不允许对ips进行DB访问 : []

2025-01-31 16:29:37,793 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::: — 为jGroup应用防火墙规则

2025-01-31 16:29:40,551 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::: — 适用于jGroup的防火墙规则。

2025-01-31 16:29:40,558 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 正在对节点组应用防火墙规则。

2025-01-31 16:29:45,254 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 节点组的已应用防火墙规则。

步骤 9 : Datadump导出 , 直到当前系统更改编号(SCN)并将文件传输到ise331

ise330-ade.log

2025-01-31T16:02:41.682824+05:30 ise330根 : info:[sync_export.sh]正在启动同步标识符
b33db240-dfbe-11ef-bb78-12467b70bb3d的datadump导出.....

2025-01-31T16:02:43.545110+05:30 ise330根 : info:[sync_export.sh] SCN retrieved for sync
identifier b33db240-dfbe-11ef-bb78-12467b70bb3d.....现在开始导出CSCN 6022419和主机
ise330025-01-31T16:09:35.095186+05:30 ise30根 : info:[sync_export.sh]同步标识符b33db240-
dfbe-11ef-bb78-12467b70bb3d的导出成功.....

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][[]]类
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个同步请求。

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-78-12467b70bb3d , b33db240-dfbe-11ef-bb78-1246712467 b70bb3d2025-01-31 16:02:41,584 INFO [Deployment-Sync-Manager-Thread-0][] [] class com.cisco.epm.fullsync.ExportImportExecutor -::b33db240-dfbe-bb78 b70bb3d:FullSync:-Tracking RegistrationAndSync — 为标识符启动的导出脚本[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: — 跟踪注册和同步 — 导出脚本已完成标识符[b33db240-be 1ef-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: — 导出数据库转储

:/opt/oracle/base/admin/cpm10/dpdump/cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp大小 (字节) : 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 — 创建文件/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信息[Deployment-Sync-Manager-Thread-0][] [] cisco.epm.fullsync.primary.PrimarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 创建的属性文件

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: — 正在创建文件/opt/oracle/base/admin/cpm10/dpdump/primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:40,688信息[Deployment-Sync-Manager-Thread-0][] []类 com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 创建的文件/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: — 创建的证书

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: — 同步请求主机FQDN[ise331.tac.local]
exportFilePath[/opt/oracle/base/admin/cpm10/dpdump/cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp] sync请求标识符[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: — 使用密钥 : ise331b33db240-dfbe-11bb将未来对象添加到Map 78-12467b70bb3d , 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: — 执行器线程池设置的超时为 : 300 (分钟)
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]]类
com.cisco.epm.fullsync.AbstractSyncRequest -::: — 已开始对主机 : ise331执行SyncRequest-Thread-0 , 同步标识符 : b33db240-dfbe-11ef-bb78-12467b70bb3d
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.AbstractSyncRequest -::: — 覆盖从2025年1月31日 16:14:40至2025年1月31日 16:09:40起的同步开始时间

传输同步文件

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-bb78-12467b 70bb3d
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync — 文件名 : [cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp] , 字节大小 : [131614567]
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync — 文件名 : [primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks] , 字节大小 : [25683]
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync — 文件名 : [config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties] , 大小 (字节) : [263]
2025-01-31 16:09:40,706 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -:::- Tracking RegistrationAndSync — 文件名 : [repo_random.key] , 大小 (字节) : [24]
2025-01-31 16:09:41,920 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -::: — 创建http连接管理器
2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -::: — 在http客户端上设置凭据

2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -::: — 跟踪RegistrationAndSync — 开始将文件传输到辅助节点ise331.tac.local

2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]] class
com.cisco.epm.fullsync.HttpClientHelper -::: — 跟踪RegistrationAndSync -辅助url
[ishttps://ise331.tac.local/deployment-rpc/uploadSyncFiles](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 -::: — 成功将文件传输到辅助节点ise331.tac.local

2025-01-31 16:09:52,568 WARN [Deployment-SyncRequest-Thread-0][[]]类
com.cisco.epm.fullsync.HttpClientHelper -::: — 上传完成，响应=

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。现在正在辅助节点上启动同步进程.....

步骤 10：从ise330接收文件

ise331-replication.log

2025-01-31 16:09:45,814信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: -Tracking
RegistrationAndSync — 正在启动receiveSyncFiles PAP:

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

2025-01-31 16:09:45,821信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 同步的最大上传文件计数设置为：6

2025-01-31 16:09:48,164信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 下载的项目数：6

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

2025-01-31 16:09:49,228警告[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: - secondaryChecksum
[9d2a72222b701adc69f8f70a85e83eca3bbecad3fe025fbac94e9d77fc8fb269]

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 字段名称=cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp，文件名= null，内容类型= null，文件大小 = 131614567

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在保存文件
: cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 保存的文件
: cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::- FileItem name
:primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 字段名称=primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks，文件名= null，内容类型= null，文件大小 = 25683

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在保存文件
: primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 保存的文件
: primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::- FileItem name
:config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 字段名称=config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties，文件名= null，内容类型= null，文件大小 = 263

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在保存文件
: config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 保存的文件
: config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::- FileItem name
:repo_random.key

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 字段名称=
repo_random.key , 文件名= null , 内容类型= null , 文件大小 = 24

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在保存文件
: repo_random.key

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 保存的文件
: repo_random.key

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

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

2025-01-31 16:09:49,229信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::-Tracking
RegistrationAndSync — 即将验证AndPrepareForSync

2025-01-31 16:09:49,243信息[admin-http-pool14][[]]
cisco.epm.fullsync.secondary.SecondarySyncHelper -:::-文件已下载)cpmsync_b33db240-dfbc-
11ef-bb78-12467b70bb3d.dmpconfig_b33db240-dfbc-11ef-bb78-
12467b70bb3d.propertiesprimaryCert_b33db240-dfbc-11ef-bb78-12467b70bb3d.jks

2025-01-31 16:09:50,294信息[admin-http-pool14][[]]
cisco.epm.fullsync.secondary.SecondarySyncHelper -:::- secondaryChecksum
[9d2a72222b701adc69f8f70a85e83eca3bbeead3fe025fbac94e9d77fc8fb269] primaryChecksum
[9d2a72222b701adc69f8f70a88e 83eca3bbeead3fe025fbac94e9d77fc8fb269]

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

2025-01-31 16:09:52,901信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::- Tracking
RegistrationAndSync — 即将启动Sync

2025-01-31 16:09:52,902信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 从PAP收到
syncRequestIdentifier:b33db240-dfbc-11ef-bb78-12467b70bb3d

2025-01-31 16:09:52,902信息[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 从PAP收到辅助主机名
: ise331.tac.local

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 已从PAP接收
primUserDbPwd

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 从PAP接收的
dataDirectDbPwd

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::- Received
nodeExporterPwd from PAP

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 已从PAP接收
piProfilerMetricPwd

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::: — 已从PAP接收
primKekKey

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

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

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

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

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::-即将调用
startImportSyncPollerScript

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

cisco.epm.fullsync.secondary.SecondarySyncManager -:::: — 调用同步轮询器以等待同步完成
ise331.tac.local b33db240-dfbe-11ef-bb78-12467b70bb3d [PrimaryDBPSWD] REGISTER

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

cisco.epm.fullsync.secondary.SecondarySyncManager -::: — 正在返回同步轮询器以等待同步完成

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::::-调用了
startImportSyncPollerScript

2025-01-31 16:10:16,217调试[main][[]] cisco.cpm.cluster.impl.BaseServiceInvoker -::: — 正在注册
NodeInfoService

2025-01-31 16:11:29,181信息[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -
::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 正在发送临时同步状态
: DBIMPORT_INITIATED , 节点同步状态 : SYNC_INPROGRESS到PAP。同步请求

ID:b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:11:29,199信息[main][[]]类com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 正在从读取主节点信息
: /opt/oracle/base/admin/cpm10/dpdump/config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

2025-01-31 16:11:29,199信息[main][[]]类com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:- syncRequestIdentifier..local值 : 配置文件中的
b33db240-dfbe-11ef-bb78-12467b70bb3d & syncRequestIdentifier :b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:11:29,199信息[main][[]]类com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 对于syncRequestIdentifier b33db240-dfbe-11ef-bb78-12467b70bb3d , 正在将同步状态发送到[<https://ise330.tac.local/deployment-rpc/updateSyncStatus>]

2025-01-31 16:11:29,199信息[main][[]]类com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 创建http连接管理器

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

2025-01-31 16:12:27,369信息[main][[]] class com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 在http客户端上设置凭据

2025-01-31 16:12:27,744信息[main][[]]类com.cisco.epm.fullsync.HttpClientHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 已成功更新同步状态的主要

步骤 11 : 在ise331上导入DB

ise331-replication.log

2025-01-31 16:12:27,746信息[main][[]]类com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 正在启动数据库导入.....

2025-01-31 16:12:27,746信息[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 要运行的脚本[/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信息[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:: -DB导入已完成。

2025-01-31 16:16:20,351信息[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 要运行的脚本[/usr/bin/sudo
/opt/CSCOcpm/bin/setdbpw.sh primaryUserDbPWD]

2025-01-31 16:18:32,753信息[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -
::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 数据库密码已重置。

2025-01-31 16:18:32,754信息[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -
::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 正在发送临时同步状态
: SECONDARY_SYNC_COMPLETED , 节点同步状态 : SYNC_COMPLETED到PAP

ise331-ade.log

2025-01-31T16:12:30.546657+05:30 ise331根 : info:[sync_import.sh] b33db240-dfbe-11ef-bb78-
12467b70bb3d : 正在启动datadump导入.....

2025-01-31T16:16:19.734878+05:30 ise331根 : info:[application:operation:sync_import.sh]
b33db240-dfbe-11ef-bb78-12467b70bb3d : 数据库同步导入已成功完成

导入完成后删除数据库

2025-01-31T16:16:19.895863+05:30 ise331根 : info:[application:operation:sync_import.sh]同步完
成后从数据库删除调配资源.....

2025-01-31T16:16:20.341542+05:30 ise331根 : 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根 : info:[application:operation:sync_import.sh]
b33db240-dfbe-11ef-bb78-12467b70bb3d:Datadump导入过程已完成

2025-01-31T16:16:20.738342+05:30 ise331根 : info:[application:operation:setdbpw.sh]重置内部数
据库用户密码以匹配ISE主要用户的密码

步骤 12 : 正在将同步完成状态更新为ise330

ise331-replication.log

2025-01-31 16:18:32,754信息[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -
::b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 正在发送临时同步状态
: SECONDARY_SYNC_COMPLETED , 节点同步状态 : SYNC_COMPLETED到PAP。同步请求
ID:b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:29:59,419信息[Psc-SyncStatusUpdaterJob-Thread][[]] Replication-
Deployment.PrimaryNodeProxy -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 在完全
同步到主objId后发送ise331的sync statusSYNC_COMPLETED: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信息[OOB-8,ISERepCluster-F3ixn , ise330-46234][[]]
cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-
12467b70bb3d:FullSync:-Received status:SYNC_COMPLETED,objId:a31cab00-dfbe-11ef-bb78-
12467b7 0bb3d , syncReqId:b33db240-dfbe-11ef-bb78-12467b70bb3d , hostconfigModDt:2025-

01-31 16:16:19.880098 from ise331

2025-01-31 16:29:59,480信息[OOB-8,ISERepCluster-F3ixn , ise330-46234][[]]
cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 此更新适用于数据库中找到的最新完全同步信息。

2025-01-31 16:29:59,480信息[OOB-8,ISERepCluster-F3ixn , ise330-46234][[]]
cisco.cpm.deployment.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 将ise331的状态从进行中更新为同步已完成

与节点同步问题相关的警报

- 缓慢复制信息
- 复制速度缓慢警告
- 缓慢复制错误
- 复制失败
- 复制已停止
- 节点不同步

已知缺陷

Bug ID	描述
CSCwj67089	通过本地磁盘管理将大文件导入到辅助节点时，思科ISE应用服务器崩溃。
CSCwi78722	Azure VM:无法将节点注册到部署。
CSCwh70275	注册节点时，注销剩余的证书时，当前使用的证书将被删除。
CSCwh08408	由于找不到节点导出器密码，思科ISE版本3.3无法在升级后注册新节点到部署。

关于此翻译

思科采用人工翻译与机器翻译相结合的方式将此文档翻译成不同语言，希望全球的用户都能通过各自的语言得到支持性的内容。

请注意：即使是最好的机器翻译，其准确度也不及专业翻译人员的水平。

Cisco Systems, Inc. 对于翻译的准确性不承担任何责任，并建议您总是参考英文原始文档（已提供链接）。