

瞭解ISE 3.3節點註冊流程

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簡介

本文檔介紹身份服務引擎(ISE)節點註冊前提條件、逐步流程、PCAP分析、日誌分析。

前提條件

您必須具備思科身份服務引擎(ISE)的基本知識。

背景資訊

- 獨立節點：具有單個Cisco ISE節點的部署。此節點運行管理、策略服務和監控角色。
- 分散式部署：具有多個Cisco ISE節點的部署。為了支援故障轉移和提高效能，您可以設定分散式部署多個思科ISE節點。在Cisco ISE分散式部署中，管理和監控活動是集中化的，處理分佈於策略服務節點。根據您的效能需求，您可以擴展部署。
- ISE節點可以處於主節點、輔助節點或獨立節點之一。
- ISE節點可以承擔以下任何角色：管理、策略服務和監控。
- 您需要執行註冊過程以將更多節點新增到主節點以形成群集。

需求

- 安裝ISE節點後，您必須選擇一個節點，並將其狀態從獨立更改為主要。導航到Administration > Deployment，點選ISE節點> Make Primary。
- 在分散式部署中可以有一個主節點。
- 要註冊的輔助節點的FQDN必須可從主節點解析。正向和反向DNS查詢必須有效。
- 兩個節點的版本/修補程式詳細資訊是相同的。
- 必須具有輔助節點的超級管理員憑據。
- 確保兩個節點的管理員證書都是受信任的，如果第三方CA簽名的證書，請將根CA新增到受信任的證書儲存中。
- 節點之間的延遲小於300毫秒。

所需元件

本文件中的資訊是以下列軟體和硬體版本為依據

- 思科身分識別服務引擎3.3
- ISE VM

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

所需埠

- HTTPS(SOAP):TCP/443
- 資料同步/複製(JGroups):TCP/12001
- ISE消息服務：SSL:TCP/8671
- ISE內部通訊：TCP/15672
- 探查器端點所有權同步/複製：TCP/6379

需要調試

要設定為調試級別的屬性：

- 複製部署 (replication.log和ise-psc.log)
- Replication-JGroup (replication.log和ise-psc.log)
- 複製跟蹤器(tracking.log)
- hibernate(hibernate.log)
- JMS(replication.log)
- ca-service(caservice.log)
- admin-ca(ise-psc.log)

節點詳細資訊

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

拓撲



涉及的時間戳

節點ise331.tac.local在ise330.tac.local上註冊

註冊按一下 — 2025-01-31, 16:00:01

下一次按一下 (填充輔助節點FQDN詳細資訊後) –2025-01-31,16:00:13

提交按一下 (選擇角色後) –2025-01-31,16:00:21

複製–2025-01-31,16:02:22

已完成同步–2025-01-31 16:30:54

註冊流程

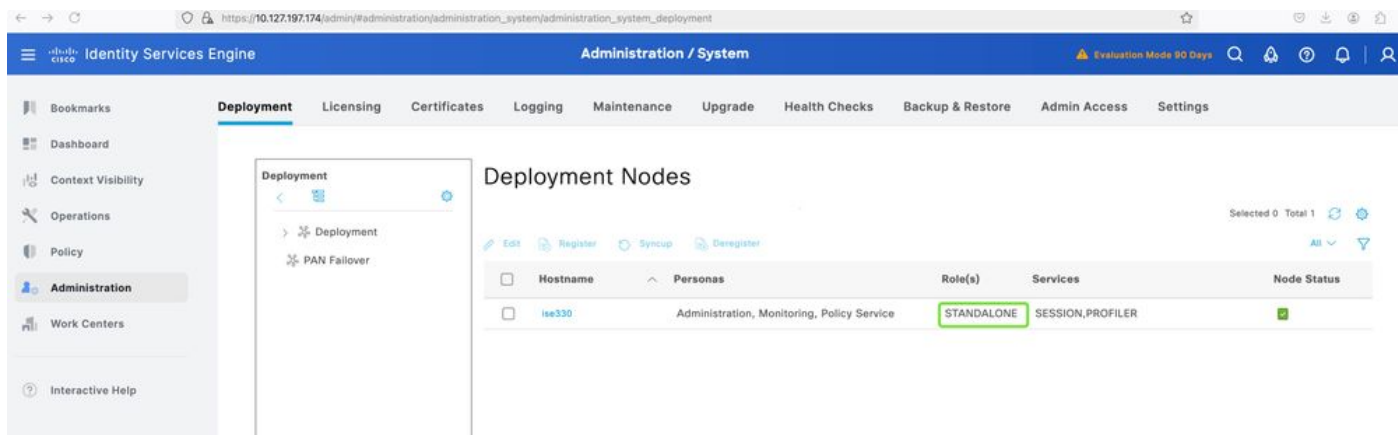
節點註冊：從主管理節點到輔助節點的經過身份驗證的配置資料庫複製過程

步驟 1:將ISE節點設定為主節點

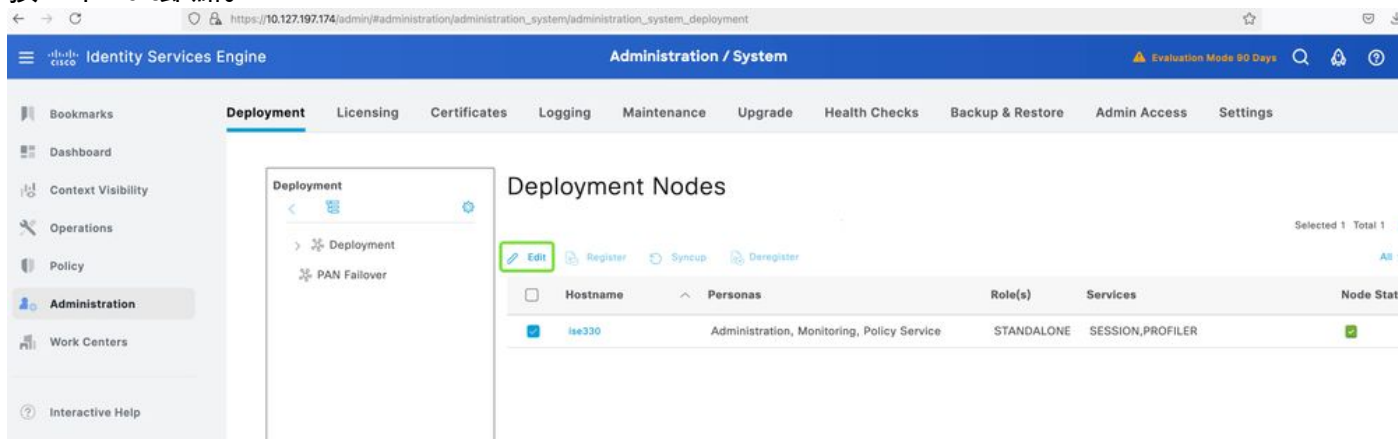
最初，每個節點都處於獨立模式。要註冊其他節點，請將其中一個節點設定為主節點。

導航到Administration > Deployment > Click the ISE node/Edit the node。

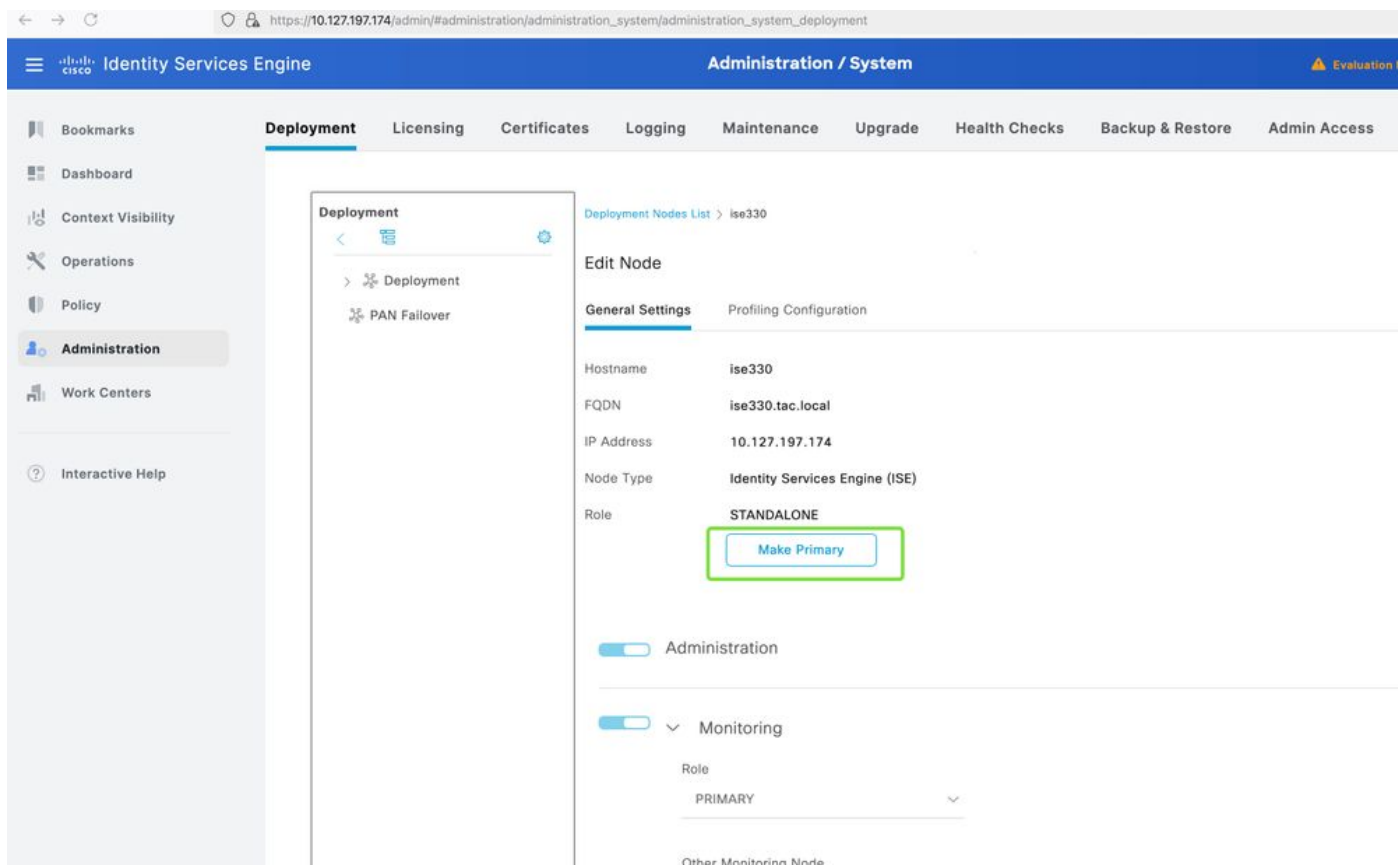
按一下「Make Primary」。



按一下Edit節點。



按一下「Make Primary」和「Save」。



該角色現在成為主角色。

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

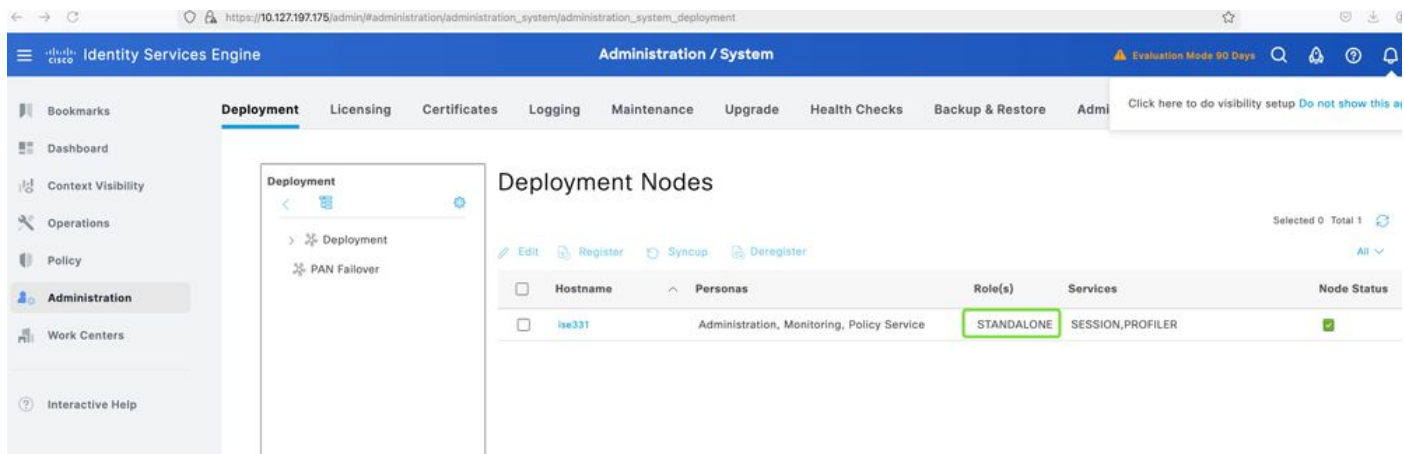
Policy Service

步驟 2:註冊輔助節點

要註冊的節點必須處於獨立模式。

轉到輔助節點並獲取FQDN。

導航到管理>部署。按一下節點名稱。

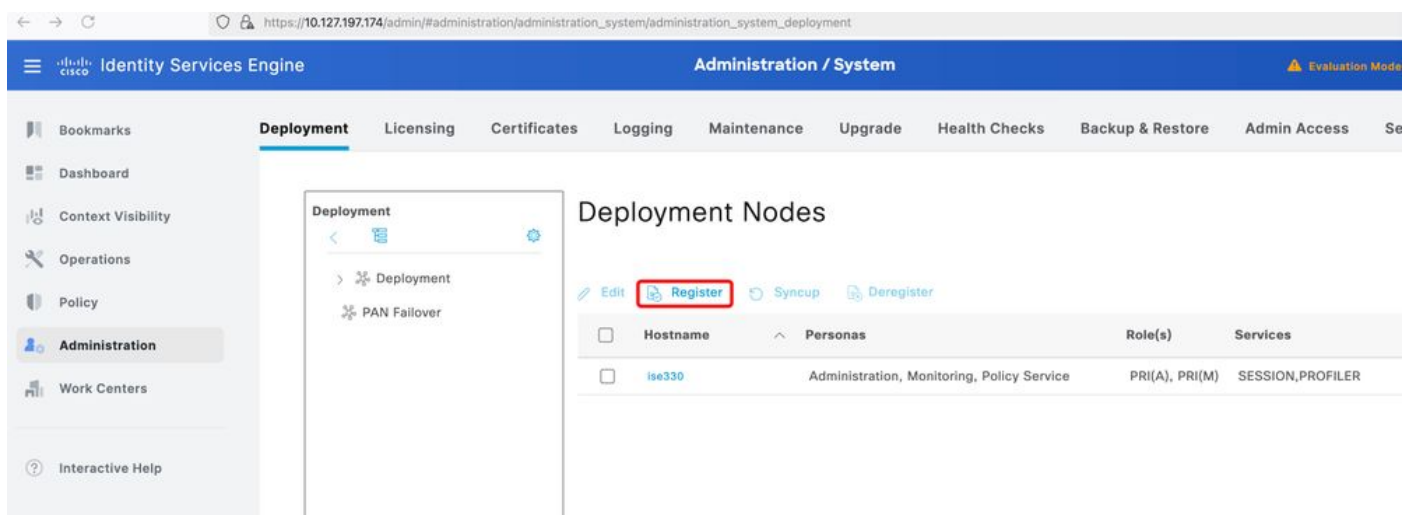


轉到PAN GUI。

導航到管理>部署。

按一下「Register」。

它要求註冊節點的FQDN和憑據。



輸入輔助節點的FQDN和超級管理員使用者憑據。

Identity Services Engine Administration / System Evaluation Mode 90 Days

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

Deployment Nodes List > Specify Hostname

Register ISE Node - Step 1: Specify Node Host FQDN (hostname.domain-name) and Credentials

Host FQDN*
ise331.tac.local

User Name*
admin

Password*
.....

Next Cancel

按一下下一步時，它將匯入輔助節點的證書。

按一下Import certificate（匯入證書），然後繼續。

Warning

The node you are trying to register uses a self-signed certificate which is not trusted.
Are you sure you want to trust this certificate and proceed with registration?

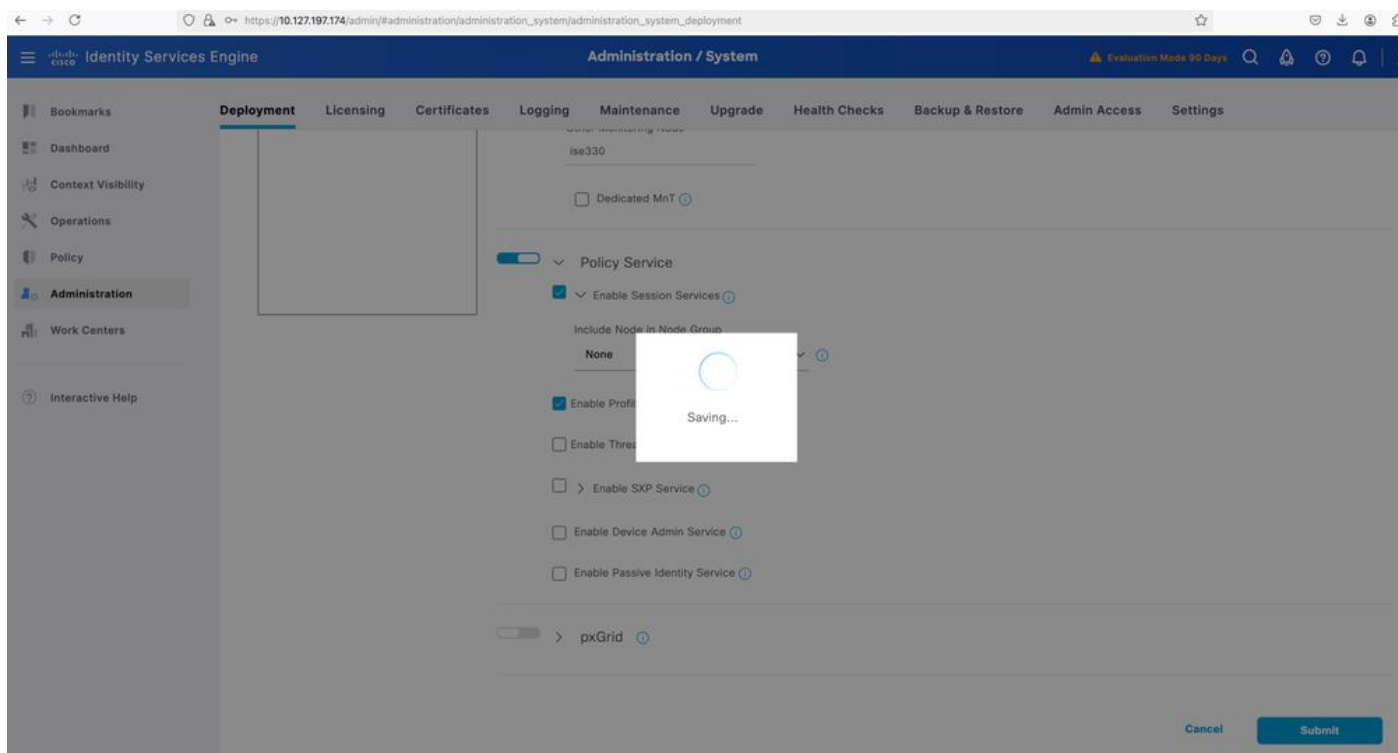
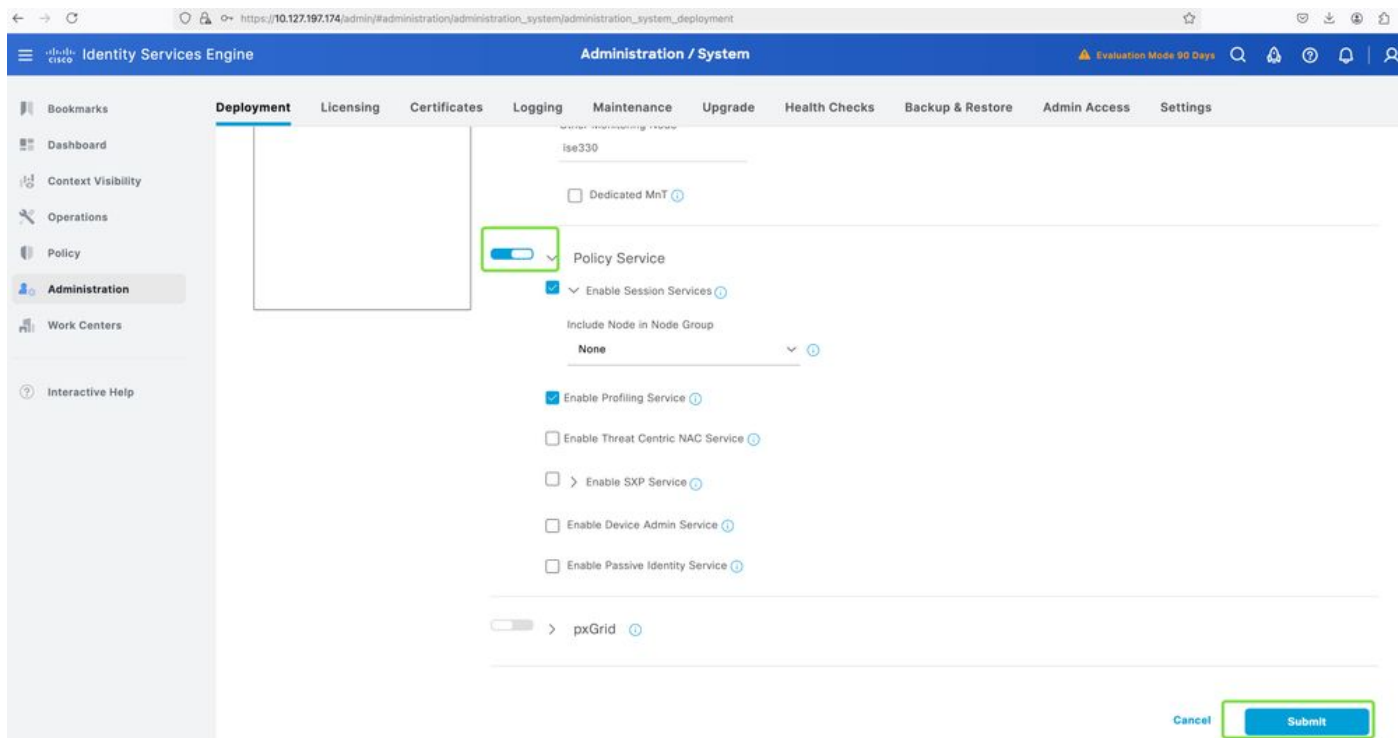
If you are unsure, please click 'Cancel Registration'. Manually import relevant certificate chain of Node that is being registered into 'Trusted Certificates' and ensure 'Trust within ISE' checkbox is selected.

Please note that this certificate will by default be trusted only for authentication within ISE. If the same certificate needs to be used for other purposes (e.g. client authentication and syslog), please enable those options by editing the certificate under the 'Trusted Certificates' page.

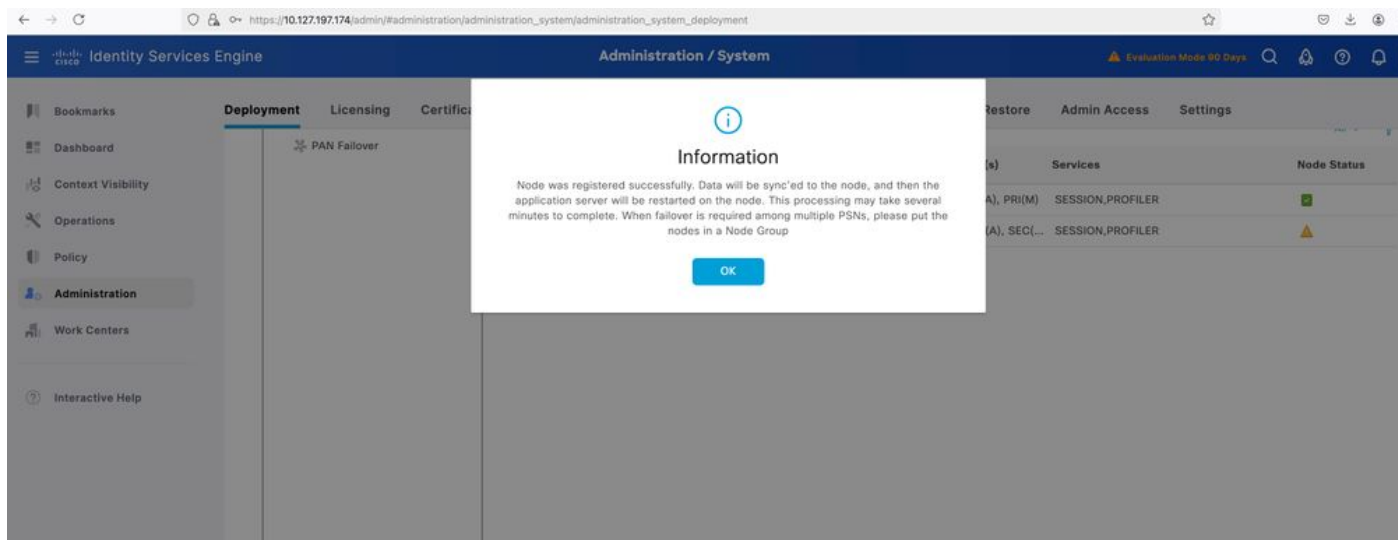
Serial Number : 38 2A 40 D2 7A BF 53 AC 42 38 7C 77
Issued to : CN=ise331.tac.local
Issued by : CN=ise331.tac.local
Issued On : Thu Jan 30 13:32:34 IST 2025
Expires On : Sat Jan 30 13:32:34 IST 2027
Signature Algorithm : SHA384withRSA
SHA-256 Fingerprint : 3C 5D 6A AA C5 B4 69 5B 2B 26 3D FB 07 80 CD B6 2F 4F
1E 9D A4 65 23 35 DF 90 05 2E 18 39 EB
SHA-1 Fingerprint : 61 41 5A 4B 51 C5 B0 B0 9E 5B AD 87 5F 45 D4 C5 B7 5B 5C
91
MD5 Fingerprint : ED A3 D1 F1 70 1E 62 6D B2 B6 80 46 1E 12 74 B9

Cancel Registration Import Certificate and Proceed

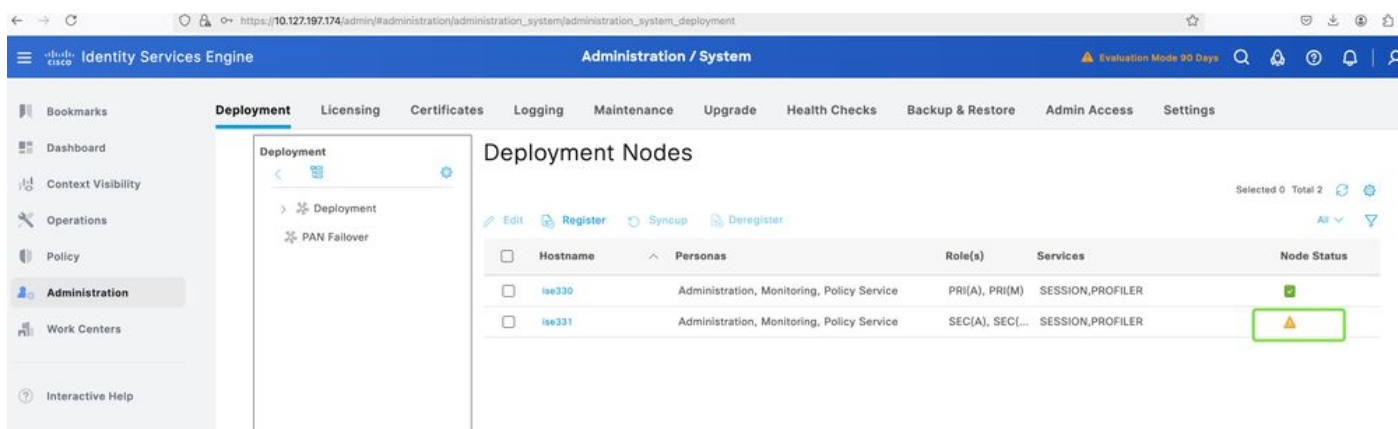
現在，選擇輔助節點上所需的角色，然後按一下Submit。



然後，將輔助節點註冊到主節點。按一下確定。



驗證新增到PAN的輔助節點和琥珀色是否表示正在註冊/同步。



步驟 4:選擇輔助管理節點(SAN)時，需要續訂許可證。不適用於PSN。

導覽至管理>許可。

按一下Renew Registration。

Identity Services Engine

Administration / System

Bookmarks

Dashboard

Context Visibility

Operations

Policy

Administration

Work Centers

Interactive Features

Deployment

Licensing

Certificates

Logging

Maintenance

Upgrade

Health Checks

Backup & Restore

Admin Access

Settings

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

步驟 5:註冊成功。

Bookmarks

Dashboard

Context Visibility

Operations

Policy

Administration

Work Centers

Interactive Help

Deployment

Licensing

Certificates

Logging

Maintenance

Upgrade

Health Checks

Backup & Restore

Admin Access

Settings

Deployment

< Deployment

PAN Failover

Deployment Nodes

Selected 0 Total 2

Edit

Register

Syncup

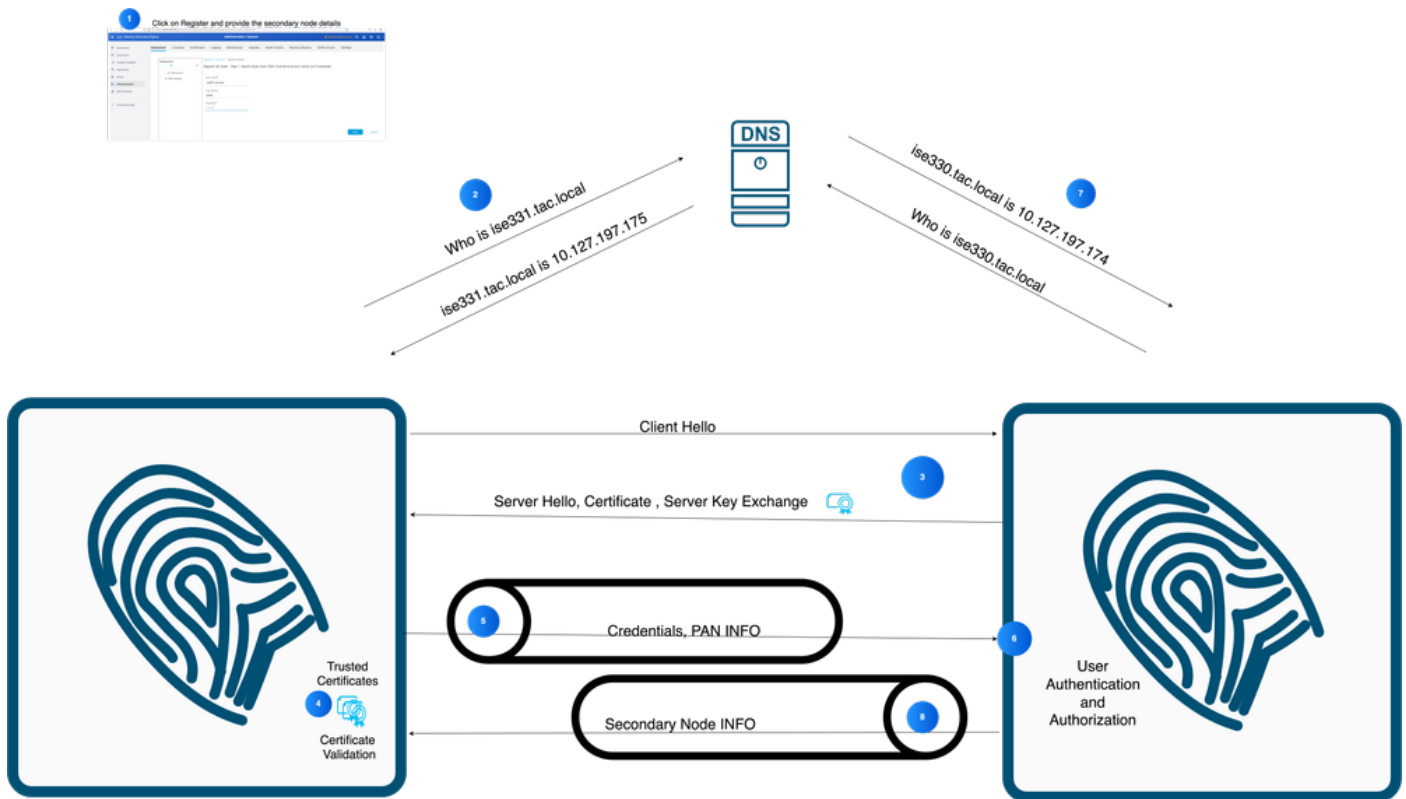
Deregister

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，您會看到DNS、443上的證書交換。



DNS流量：按一下註冊並提供FQDN時，主節點會嘗試解析輔助節點的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: 31
 - Type: PTR (domain name Pointer) (12)
 - Class: IN (0x0001)

[Response In: 3200]

您也可以看到兩個節點之間的證書交換。

客戶端Hello

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) [JAS 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] [JAS: 06ee41ca81c0aae6c3d50b0dfe941996]									

伺服器Hello、證書、伺服器金鑰交換、伺服器Hello

我們可以看到ise331.tac.local將其證書共用給PAN節點。

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
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...
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
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: 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
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...
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
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: Intel(R) Ethernet Controller (P0) 08:00:27:00:00:00, Dst: Intel(R) Ethernet Controller (P0) 08:00:27:00:00:00 (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...						

客戶端金鑰交換具有公鑰。

兩個節點都修復密碼套件並建立加密隧道以共用詳細資訊。

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公用程式

- ise-psc.log- DNS查詢/證書驗證/證書複製/同步狀態控制

根路徑：/opt/CSCOcpm/logs/ise-psc.log

在CLI上，

#show logg應用程式ise-psc.log tail

- ADE.log — 資料庫匯入/匯出，服務啟動/停止

來自根的路徑：/var/log/ade/ADE.log

在CLI上，

#show logg system ade/ADE.log tail

- Replication.log — 在DB匯入或DMP檔案傳輸後記錄問題

根路徑：/opt/CSCOcpm/logs/replication.log

在CLI上，

#show application replication.log tail

- Deployment.log — 與證書和響應頁相關的日誌

根路徑：/opt/CSCOcpm/logs/deployment.log

在CLI上，

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

日誌分析

步驟 1:點選註冊ISE節點

ise330-ise-psc.log:

```
2025-01-31 16:00:01,992 INFO [admin-http-pool2][[]]
cpm.admin.infra.spring.ISEAdminControllerUtils -::admin:: — 在action-forwards中找到的對映路徑
，轉發到：/pages/modules/infra/deployment/deploymentRegister.jsp
```

步驟 2:填充輔助節點的詳細資訊。

ise330-deployment.log:

```
2025-01-31 16:00:11,313 INFO [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -
::admin:ise331.tac.local:registerNode: — 主機FQDNise331.tac.local的呼叫註冊
```

```
2025-01-31 16:00:11,371 DEBUG [admin-http-pool5][[]]
deployment.client.cert.validator.HttpsCertPathValidatorImpl -
::admin:ise331.tac.local:registerNode:-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 -:::- — 檢索到的主主機名是
ise330.tac.local
```

步驟 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: — 正在註冊
的Node具有FQDN 'ise331.tac.local'。此名稱解析為IP地址10.127.175
```

```
2025-01-31 16:00:20,638 INFO [admin-http-pool3][[]]
cpm.admin.infra.action.DeploymentEditAction -::admin:: — 正在新增的節點是輔助PAP:ise331
```

ise331-ise-psc.log

2025-01-31 16:00:11,716 INFO [admin-http-pool14][[]] epm.pap.api.handler.CommonUtil -::: — 正在檢查主機ise330.tac.local是否可解析dns
2025-01-31 16:00:11,721 INFO [admin-http-pool14][[]] epm.pap.api.handler.CommonUtil -::: -Host ise330.tac.local可在5毫秒內解析dns

步驟4：證書

ise330-ise.psc.log

2025-01-31 16:00:20,887 INFO [admin-http-pool5][[]]
cpm.admin.infra.action.DeploymentEditAction -::admin:ise331:registerNode: — 正在準備呼叫
getServCert

ise330-deployment.log

2025-01-31 16:00:20,888 DEBUG [admin-http-pool5][[]]
cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:
— 主機別名：: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:請求[tohttps://ise331.tac.local/admin/API/mnt/api/ServCert](https://ise331.tac.local/admin/API/mnt/api/ServCert)已完成。

步驟 5:新增具有已提交角色的輔助節點

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:節點主狀態：待命

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

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

已成功建立並儲存節點詳細資訊

ise330-deployment.log

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

2025-01-31 16:01:22,251 DEBUG [admin-http-pool5][[]]
cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode: — 檢索的
HostConfig [hostName=ise331,dispayName=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=VidSN =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 , isSLENABLE=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]

步驟 6:憑證

ise330-ise-psc.log

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

cpm.admin.infra.action.DeploymentEditAction -::admin:ise331:registerNode: — 本地證書儲存時註冊節點ise331的主機配置主機Id:5ff70820-dfbe-11ef-bb78-12467b70bb3d。所有本地證書和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:
— 正在匯入部署共用證書

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

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:
— 正在準備連線

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

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:
— 已連線到註冊節點

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:
— 匯入傳送到註冊節點的CertParams

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

cpm.infrastructure.deployment.client.DeploymentRegistrationClient -::admin:ise331:registerNode:
— 接收匯入的證書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:

— 匯入部署共用證書 — 完成

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

cisco.cpm.infrastructure.deployment.DeploymentManager -::admin:ise331:registerNode: — 內部
getHostConfigForLocalNode以獲取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: — 檢索的
HostConfig [hostName=ise330, displayname=ise330, hostId=50451540-dee0-11ef-90b1-
0050568bb121,gateway=10.197.1, 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, udi=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=<未顯示>, 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-90b10050568bb121, ipAddress=10.127.197.174,
subNetMask=255.255.255.0, macAddress=00-50-56-8b-b1-21, nicCards=eth0]

萬用字元檢查

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本地證書通知。

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

cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -
::admin:ise331:registerNode: — 本地證書是EAP證書。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
更新此節點的EAP證書鏈的通知。

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

cpm.infrastructure.certreqmgmt.notifications.IseEapCertNotificationHandler -
::admin:ise331:registerNode: — 傳送的更新請求。

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

cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 已收到ISE本地證書通知。

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

cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 正在檢查證書型別

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

cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 預設自簽名伺服器證書是萬用字元證書：假

2025-01-31 16:01:25,305 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 正在檢查SAML、APNS、CMCS或ProfileSigning證書
2025-01-31 16:01:25,306 INFO [admin-http-pool5][[]]
cpm.infrastructure.certreqmgmt.notifications.WildcardCertNotificationHandler -
::admin:ise331:registerNode: — 預設自簽名伺服器證書是SAML證書：假
2025-01-31 16:01:25,306 INFO [admin-http-pool5][[]]
cisco.cpm.provisioning.cert.CertProvisioningFactory -::admin:ise331:registerNode:-
CertChangeHandler.handle():在本地證書和信任證書的插入事件上建立EAP證書鏈

ise330-ise-psc.log

2025-01-31 16:01:25,830 INFO [admin-http-pool5][[]]
cpm.admin.infra.action.DeploymentEditAction -::admin:ise331:registerNode: — 儲存的
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=ise3
31.tac.local , certificateFilename=<null>,digestHash=<null>],id=f0463881-4c64-4ff5-96a2-
4f0089f50459,name=ise331_tac_local#382a40d27abf53ac42387c77#PID\$_ISE-VM-
K9\$_VID\$_V01\$_SN7LEAGKMIHMname name、friendly =預設自簽名伺服器證書，
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: — 正在準備儲存
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_ise331.tac.local , issuedTo=SAML
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=預設自簽名saml伺服器證書 —
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]主機名：ise331主機配置
Id: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: — 新增到發佈隊列
ID:8afb25b0-df8e-11ef-bb78-12467b70bb3d , seqNo:0 , 資料：3058 位元組

ise330-replication.log

2025-01-31 16:02:14,488 INFO [admin-http-pool5][[]]

```

api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 正在
跟蹤註冊並同步正在進入主機的addNodeToDistributionSetup:ise331.tac.local
2025-01-31 16:02:14,488 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟蹤
RegistrationAndSync — 輸入addNodeToDistributionSetupUsingJgroups
2025-01-31 16:02:14,501 INFO [admin-http-pool5][[]]
api.services.persistence.dao.ReplicationStatusDAOImpl -::admin:ise331:registerNode: — 主機名
: ise331,DB 'SEC_REPLICATIONSTATUS' =正在進行, 節點角色: SECONDARY,
ReplicationStatus對象狀態: SYNC_INPROGRESS
2025-01-31 16:02:14,502 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟蹤
RegistrationAndSync — 退出addNodeToDistributionSetupUsingJgroups
2025-01-31 16:02:14,502 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 正在
跟蹤註冊並同步完成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: — 跟蹤
RegistrationAndSync — 輸入offerSyncRequestToQueue
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]] class
com.cisco.epm.fullsync.FullSyncInfoHelper -::admin:ise331:registerNode: — 已建立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: — 跟蹤
RegistrationAndSync同步請求是hostFQDN[ise331.tac.local] exportFilePath[null]
syncRequestIdentifier[null] syncRequestTime[null] syncStatus[SYNC_INSYNCInSYNC]
TRANSIENTSyncStatus[NULL] SYNCRequestType[REGISTER]
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
api.services.server.distribution.RegistrationAndSyncHelper -::admin:ise331:registerNode: — 跟蹤
RegistrationAndSync — 退出offerSyncRequestToQueue

```

步驟 7:在群集中註冊節點

```

ise330-ise-psc.log
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
api.services.server.distribution.DistributionImpl -::admin:ise331:registerNode: — 跟蹤
RegistrationAndSync — 節點ise331的新註冊碼已完成
2025-01-31 16:02:14,524 INFO [admin-http-pool5][[]]
cpm.admin.infra.action.DeploymentEditAction -::admin:ise331:registerNode: — 節點ise331已成功
向個人管理、監控、策略服務註冊

```

步驟 8:防火牆規則

```

ise330-ise-psc.log
2025-01-31 16:00:39,945 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils.FwUtil-
::admin:ise331:registerNode: — 部署主機IP:[10.127.197.174, 10.127.197.175]iptables主機

```

: [10.127.197.174]

2025-01-31 16:00:43,526 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。FwUtil-
::admin:ise331:registerNode:-syncUpfwList:允許對ips進行DB訪問 : [10.127.197.175]

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。FwUtil-
::admin:ise331:registerNode:- syncUpfwList:不允許對ips進行DB訪問 : []

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil::admin:ise331:registerNode: — 為jGroup應用防火牆
規則

2025-01-31 16:00:53,678 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil::admin:ise331:registerNode: — 適用於jGroup的應用
的防火牆規則。

2025-01-31 16:14:32,420 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-:::: — 部署主機IP:[10.127.197.174, 10.127.197.175]iptables主
機 : [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 :允許對ips進行DB訪問 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-::::- syncUpfwList :不允許對ips進行DB訪問 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-:::: — 為jGroup應用防火牆規則

2025-01-31 16:14:36,173 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-:::: — 適用於jGroup的防火牆規則。

2025-01-31 16:14:36,184 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-:::: — 為節點組應用防火牆規則。

2025-01-31 16:14:38,964 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-:::: — 已應用節點組的防火牆規則。

2025-01-31 16:29:33,320 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-:::: — 部署主機IP:[10.127.197.174, 10.127.197.175]iptables主
機 : [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 :允許對ips進行DB訪問 : []

2025-01-31 16:29:37,792 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。FwUtil-::::- syncUpfwList :不允許對ips進行DB訪問 : []

2025-01-31 16:29:37,793 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-:::: — 為jGroup應用防火牆規則

2025-01-31 16:29:40,551 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::: — 適用於jGroup的已應用防火牆規則。

2025-01-31 16:29:40,558 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 正在對節點組應用防火牆規則。

2025-01-31 16:29:45,254 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 節點組的已應用防火牆規則。

ise331-ise-psc.lohg

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

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

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]] cisco.cpm.infrastructure.utils。 FwUtil-
::admin:ise331:registerNode:- syncUpfwList:不允許對ips進行DB訪問 : []

2025-01-31 16:00:46,617 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::admin:ise331:registerNode: — 為jGroup應用防火牆
規則

2025-01-31 16:00:53,678 INFO [admin-http-pool5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::admin:ise331:registerNode: — 適用於jGroup的應用的
防火牆規則。

2025-01-31 16:14:32,420 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。 FwUtil-::: — 部署主機IP:[10.127.197.174, 10.127.197.175]iptables主
機 : [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 :允許對ips進行DB訪問 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils。 FwUtil-:::- syncUpfwList :不允許對ips進行DB訪問 : []

2025-01-31 16:14:34,785 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::: — 為jGroup應用防火牆規則

2025-01-31 16:14:36,173 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-::: — 適用於jGroup的防火牆規則。

2025-01-31 16:14:36,184 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 為節點組應用防火牆規則。

2025-01-31 16:14:38,964 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-::: — 已應用節點組的防火牆規則。

2025-01-31 16:29:33,320 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-:::: — 部署主機IP:[10.127.197.174, 10.127.197.175]iptables主
機 : [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 :允許對ips進行DB訪問 : []

2025-01-31 16:29:37,792 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.FwUtil-::::- syncUpfwList :不允許對ips進行DB訪問 : []

2025-01-31 16:29:37,793 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-:::: — 為jGroup應用防火牆規則

2025-01-31 16:29:40,551 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.JGroupsFWUtil-:::: — 適用於jGroup的已應用防火牆規則。

2025-01-31 16:29:40,558 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-:::: — 正在對節點組應用防火牆規則。

2025-01-31 16:29:45,254 INFO [DefaultQuartzScheduler_Worker-5][[]]
cisco.cpm.infrastructure.utils.NodeGroupFWUtil-:::: — 節點組的已應用防火牆規則。

步驟 9:Datadump匯出直到當前系統更改編號(SCN)並將檔案傳輸到ise331

ise330-ade.log

2025-01-31T16:02:41.682824+05:30 ise330根 : info:[sync_export.sh]正在啟動同步識別符號
b33db240-dfbe-11ef-bb78-12467b70bb3d的資料泵匯出.....

2025-01-31T16:02:43.545110+05:30 ise330根 : info:[sync_export.sh] SCN retrieved for sync
identifier b33db240-dfbe-11ef-bb78-12467b70bb3d...現在開始匯出CSCN 6022419和主機
ise330025-01-31T16:09:35.095186+05:30 ise330 root:info:[sync_export.sh]同步識別符號
b33db240-dfbe-11ef-bb78-12467b70bb3d的匯出成功.....

ise330-replication.log

2025-01-31 16:02:41,563 INFO [Deployment-Sync-Manager-Thread-0][[]]
cisco.epm.fullsync.primary.PrimarySyncManager -::FullSync:-Processing Sync請求
2025-01-31 16:02:41,563 INFO [Deployment-Sync-Manager-Thread-0][[]]類
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個同步請求。
2025-01-31 16:02:41,572 INFO [Deployment-Sync-Manager-Thread-0][[]]類
com.cisco.epm.fullsync.FullSyncInfoHelper -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync:-
updateFullSyncStatus:a31cab00-dfbe-11ef-bb 78-12467b70bb3d , b33db240-dfbe-11ef-bb78-
12467b70bb3d2025-01-31 16:02:41,584 INFO [Deployment-Sync-Manager-Thread-0][[]] class
com.cisco.epm.fullsync.ExportImportExecutor -::b33db240-dfbe-11ef-bb78-12467

b70bb3d:FullSync:-Tracking RegistrationAndSync — 為識別符號啟動的匯出指令碼[b33db240-dfbe-11ef-bb78-12467b70bb3d]

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

2025-01-31 16:09:40,602 INFO [Deployment-Sync-Manager-Thread-0][[]]類 com.cisco.epm.fullsync.ExportImportExecutor -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 跟蹤註冊和同步 — 匯出指令碼已完成識別符號[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匯出已完成: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: — 已匯出資料庫轉儲
:/opt/oracle/base/admin/cpm10/dpdump/cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp大小 (位元組) : 131614567

2025-01-31 16:09:40,606 INFO [Deployment-Sync-Manager-Thread-0][[]]類 com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 跟蹤註冊和同步 — 建立文件/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][[]]類 com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 跟蹤註冊和同步 — 建立文件/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][[]] cisco.epm.fullsync.primary.PrimarySyncManager -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 建立的屬性檔案

2025-01-31 16:09:40,606 INFO [Deployment-Sync-Manager-Thread-0][[]]類 com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 建立檔案 /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][[]]類 com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 建立的檔案/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: — 已建立證書

2025-01-31 16:09:40,688 INFO [Deployment-Sync-Manager-Thread-0][[]]類 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: — 同步請求主機FQDN[ise331.tac.local] exportFile路徑

[/opt/oracle/base/admin/cpm10/dpdump/cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp]
sync請求識別符號[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ise331b33db240-dfbe-11ef-bb78將未來對象新增到對映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: — 執行器執行緒池超時設定為 : 300 (分鐘)
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.AbstractSyncRequest -::: — 已啟動主機 : ise331的Sync執行緒部署 —
SyncRequest-Thread-0執行 , 同步識別符號 : b33db240-dfbe-11ef-bb78-12467b70bb3d
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.AbstractSyncRequest -::: — 覆蓋從2025年1月31日 16:14:40至2025年1月
31日 16:09:40的同步開始時間

傳輸同步檔案

2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.AbstractSyncRequest -::: — 正在傳輸同步文件.....
2025-01-31 16:09:40,697 INFO [Deployment-SyncRequest-Thread-0][[]]類
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][[]]類
com.cisco.epm.fullsync.HttpClientHelper -::: - Tracking RegistrationAndSync — 檔名 : [
cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp] , 大小 (位元組) : [131614567]
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.HttpClientHelper -::: - Tracking RegistrationAndSync — 檔名 : [
primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks] , 大小 (位元組) : [25683]
2025-01-31 16:09:40,705 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.HttpClientHelper -::: - Tracking RegistrationAndSync — 檔名 : [
config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties] , 大小 (位元組) : [263]
2025-01-31 16:09:40,706 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.HttpClientHelper -::: - Tracking RegistrationAndSync — 檔名 : [
repo_random.key] , 大小 (以位元組為單位) : [24]
2025-01-31 16:09:41,920 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.HttpClientHelper -::: — 建立http連線管理器
2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.HttpClientHelper -::: — 在http客戶端上設定憑據
2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.HttpClientHelper -::: — 跟蹤RegistrationAndSync — 開始將檔案傳輸到輔
助節點ise331.tac.local
2025-01-31 16:09:42,002 INFO [Deployment-SyncRequest-Thread-0][[]]類

com.cisco.epm.fullsync.HttpClientHelper -:::: — 跟蹤RegistrationAndSync — 輔助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][[]]類
com.cisco.epm.fullsync.HttpClientHelper -:::: — 已成功將檔案傳輸到輔助節點ise331.tac.local
2025-01-31 16:09:52,568 WARN [Deployment-SyncRequest-Thread-0][[]]類
com.cisco.epm.fullsync.HttpClientHelper -:::: — 上載完成，響應=
2025-01-31 16:09:52,568 INFO [Deployment-SyncRequest-Thread-0][[]]類
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][[]]類
com.cisco.epm.fullsync.AbstractSyncRequest -::::-Sync已傳輸文件。現在正在輔助節點上啟動同步
進程.....

步驟 10:從ise330接收檔案

ise331-replication.log

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

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

2025-01-31 16:09:45,821資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 同步的最大上載檔案計
數設定為 : 6

2025-01-31 16:09:48,164資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::: — 下載的專案數 : 6

2025-01-31 16:09:48,190資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::: — 檔案項名稱
: 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
[9d2a72222b701adc69f8f70a85e83eca3bb3bee3fe025fbac94e9d77fc8fb269]

2025-01-31 16:09:49,229資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 欄位名稱=
cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp , 檔名= null , 內容型別= null , 檔案大小
= 131614567

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在儲存檔案
: cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 儲存的檔案
: cpmsync_b33db240-dfbe-11ef-bb78-12467b70bb3d.dmp

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 檔案項名稱
: primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 欄位名稱=
primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks , 檔名= null , 內容型別= null , 檔案大
小= 25683

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在儲存檔案
: primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 儲存的檔案
: primaryCert_b33db240-dfbe-11ef-bb78-12467b70bb3d.jks

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 檔案項名稱
: config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 欄位名稱=
config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties , 檔名= null , 內容型別= null , 檔案大
小= 263

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在儲存檔案
: config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 儲存的檔案
: config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 檔案項名稱
: repo_random.key

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

cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 欄位名稱=
repo_random.key , 檔名= null , 內容型別= null , 檔案大小= 24

2025-01-31 16:09:49,229資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 正在儲存檔案
: repo_random.key

2025-01-31 16:09:49,229資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 儲存的檔案
: repo_random.key

2025-01-31 16:09:49,229資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 檔案項名稱 : checksum

2025-01-31 16:09:49,229資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 檔案項名稱
: syncRequestIdentifier

2025-01-31 16:09:49,229資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: -Tracking
RegistrationAndSync — 即將驗證AndPrepareForSync

2025-01-31 16:09:49,243資訊[admin-http-pool14][[]]
cisco.epm.fullsync.secondary.SecondarySyncHelper -::: -檔案下載)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資訊[admin-http-pool14][[]]
cisco.epm.fullsync.secondary.SecondarySyncHelper -::: - secondaryChecksum
[9d2a72222b701adc69f8f70a85e83eca3bbbeead3fe025fbac94e9d77fc8fb269] primaryChecksum
[9d2a72222b701adc669f8a85e 83eca3bbbeead3fe025fbac94e9d77fc8fb269]

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

2025-01-31 16:09:52,901資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: - Tracking
RegistrationAndSync — 即將啟動Sync

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 從PAP接收的
syncRequestIdentifier:b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 從PAP接收的
secondaryHostName:ise331.tac.local

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 已從PAP接收
primUserDbPwd

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 從PAP接收的
dataDirectDbPwd

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

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 已從PAP接收
piProfilerMetricPwd

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -::: — 已從PAP接收
primKekKey

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

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

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::-即將呼叫
startImportSyncPollerScript

2025-01-31 16:09:52,902資訊[admin-http-pool14][[]]
cisco.epm.fullsync.secondary.SecondarySyncManager -::: — 呼叫同步輪詢器以等待同步完成
ise331.tac.local b33db240-dfbe-11ef-bb78-12467b70bb3d [PrimaryDBPSWD] REGISTER

2025-01-31 16:09:53,082資訊[admin-http-pool14][[]]
cisco.epm.fullsync.secondary.SecondarySyncManager -::: — 正在返回同步輪詢器以等待同步完成

2025-01-31 16:09:53,083資訊[admin-http-pool14][[]]
cpm.infrastructure.deployment.rpc.DeploymentRegistrationListener -:::-呼叫
startImportSyncPollerScript

2025-01-31 16:10:16,217調試[main][[]] cisco.cpm.cluster.impl.BaseServiceInvoker -::: — 正在註冊
NodeInfoService

2025-01-31 16:11:29,181資訊[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -
::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 正在傳送臨時同步狀態
: DBIMPORT_INITIATED、節點同步狀態 : SYNC_INPROGRESS到PAP。同步請求
ID:b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:11:29,199資訊[main][[]] 類com.cisco.epm.fullsync.FileUtil -::b33db240-dfbe-11ef-
bb78-12467b70bb3d:FullSync: — 正在從讀取主節點資訊

: /opt/oracle/base/admin/cpm10/dpdump/config_b33db240-dfbe-11ef-bb78-12467b70bb3d.properties

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

2025-01-31 16:11:29,199資訊[main][[]]類com.cisco.epm.fullsync.HttpClientHelper -:b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 對於syncRequestIdentifier b33db240-dfbe-11ef-bb78-12467b70bb3d , 正在將同步狀態傳送到[<https://ise330.tac.local/deployment-rpc/updateSyncStatus>]

2025-01-31 16:11:29,199資訊[main][[]]類com.cisco.epm.fullsync.HttpClientHelper -:b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 正在建立http連線管理器

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

2025-01-31 16:12:27,369資訊[main][[]]類com.cisco.epm.fullsync.HttpClientHelper -:b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 在http客戶端上設定憑據

2025-01-31 16:12:27,744資訊[main][[]]類com.cisco.epm.fullsync.HttpClientHelper -:b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 已成功更新同步狀態的主節點

步驟 11:ISE331上的DB匯入

ise331-replication.log

2025-01-31 16:12:27,746資訊[main][[]]類com.cisco.epm.fullsync.DbImportDaemon -:b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 正在啟動DB導入。

2025-01-31 16:12:27,746資訊[main][[]]類com.cisco.epm.fullsync.DbImportDaemon -:b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 要運行的指令碼[/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資訊[main][[]]類com.cisco.epm.fullsync.DbImportDaemon -:b33db240-dfbe-11ef-bb78-12467b70bb3d:: -DB匯入已完成。

2025-01-31 16:16:20,351資訊[main][[]]類com.cisco.epm.fullsync.DbImportDaemon -:b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 要運行的指令碼[/usr/bin/sudo /opt/CSCOcpm/bin/setdbpw.sh primaryUserDbPWD]

2025-01-31 16:18:32,753資訊[main][[]] class com.cisco.epm.fullsync.DbImportDaemon -:b33db240-dfbe-11ef-bb78-12467b70bb3d:: — 已重置資料庫密碼。

2025-01-31 16:18:32,754資訊[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -

::b33db240-dfbe-11ef-bb78-12467b70bb3d: — 正在傳送臨時同步狀態
: SECONDARY_SYNC_COMPLETED , 節點同步狀態 : 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 : 正在啟動datadump匯入.....

2025-01-31T16:16:19.734878+05:30 ise331根 : info:[application:operation:sync_import.sh]
b33db240-dfbe-11ef-bb78-12467b70bb3d : 資料庫同步匯入已成功完成

匯入完成後刪除資料庫

2025-01-31T16:16:19.895863+05:30 ise331根 : info:[application:operation:sync_import.sh]同步完成後從資料庫中刪除調配資源.....

2025-01-31T16:16:20.341542+05:30 ise331根 : info:[application:operation:sync_import.sh]
b33db240-dfbe-11ef-bb78-12467b70bb3d:已釋放DATABASE_SYNCIMPORT鎖

2025-01-31T16:16:20.345768+05:30 ise331根 : info:[application:operation:sync_import.sh]
b33db240-dfbe-11ef-bb78-12467b70bb3d:Datadump匯入過程已完成

2025-01-31T16:16:20.738342+05:30 ise331根 : info:[application:operation:setdbpw.sh]重置內部資料庫使用者密碼以與ISE主使用者密碼匹配

步驟 12:正在將同步完成狀態更新為ise330

ise331-replication.log

2025-01-31 16:18:32,754資訊[main][[]] cisco.epm.fullsync.secondary.SecondarySyncManager -
::b33db240-dfbe-11ef-bb78-12467b70bb3d: — 正在傳送瞬態同步狀態
: SECONDARY_SYNC_COMPLETED , 節點同步狀態 : SYNC_COMPLETED到PAP。同步請求
ID:b33db240-dfbe-11ef-bb78-12467b70bb3d

2025-01-31 16:29:59,419資訊[Psc-SyncStatusUpdaterJob-Thread][[]] Replication-
Deployment.PrimaryNodeProxy -::b33db240-dfbe-11ef-bb78-12467b70bb3d:FullSync: — 在完全
同步到Primary、objId後傳送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資訊[OOB-8,ISERepCluster-F3ixn , ise330-46234][[]]
cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-
12467b70bb3d:FullSync:-Received status:SYNC_COMPLETED,objid:a31cab00-be-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資訊[OOB-8,ISERepCluster-F3ixn , ise330-46234][[]]
cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-

12467b70bb3d:FullSync: — 此更新適用於資料庫中找到的最新完整同步資訊。

2025-01-31 16:29:59,480資訊[OOB-8,ISERepCluster-F3ixn , ise330-46234][[]]
cisco.cpm.deployment.replication.MasterNodeHandlerImpl -::b33db240-dfbe-11ef-bb78-
12467b70bb3d:FullSync: — 將ise331的狀態從進行中更新到SYNC COMPLETED

與節點同步問題相關的警報

- 慢速複製資訊
- 複製速度慢警告
- 慢速複製錯誤
- 複製失敗
- 複製已停止
- 節點不同步

已知瑕疵

錯誤ID	說明
CSCwj67089	通過本地磁碟管理將大型檔案匯入輔助節點時，Cisco ISE應用伺服器崩潰。
CSCwi78722	Azure VM:無法將節點註冊到部署。
CSCwh70275	在註銷中註冊剩餘證書的節點時，將刪除當前正在使用的證書。
CSCwh08408	由於找不到節點匯出器密碼，思科ISE版本3.3無法在部署升級後註冊新節點。

關於此翻譯

思科已使用電腦和人工技術翻譯本文件，讓全世界的使用者能夠以自己的語言理解支援內容。請注意，即使是最佳機器翻譯，也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準確度概不負責，並建議一律查看原始英文文件（提供連結）。