

對過期ISE管理員證書進行故障排除

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簡介

本文檔介紹如何對過期的思科身份服務引擎(ISE)管理員證書進行故障排除和續訂。

必要條件

需求

思科建議您瞭解以下主題：

- 思科ISE部署。
- Cisco ISE中的證書管理。

採用元件

本檔案中的資訊是根據以下軟體版本：

- 思科身分識別服務引擎(ISE)版本3.3 Patch4。

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。

背景資訊

本文檔重點介紹分散式部署；但是，可以在獨立節點上使用相同的故障排除計畫。

在ISE分散式部署中，節點是主管理節點(PPAN)或輔助節點。

本文檔使用ISE管理員證書作為自簽名證書來演示證書過期的影響，但不推薦將此方法用於生產系統。最好使用授權簽名的證書供管理員使用。

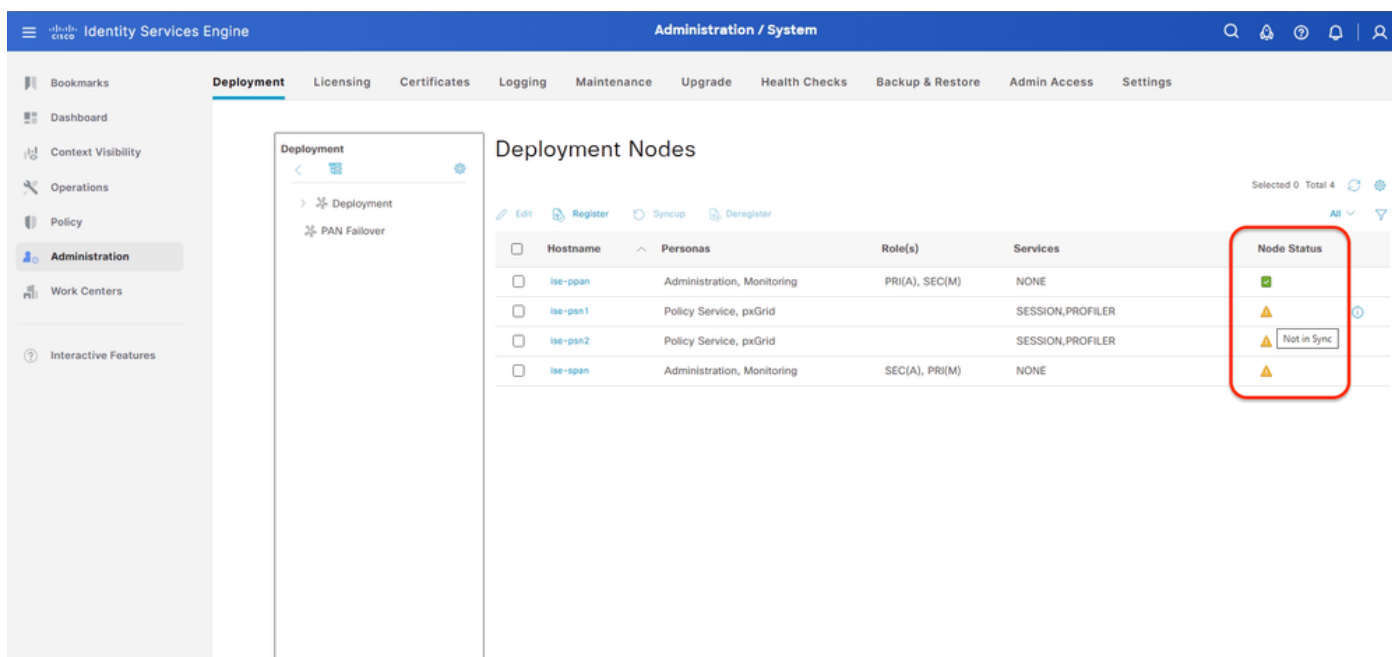
 附註：思科建議您保持管理員證書處於正常狀態並提前計畫續訂，查詢本指南可幫助您跟蹤和續訂ISE系統證書(在ISE上配置證書續訂)。

ISE管理員證書（已過期）

驗證管理員證書狀態

步驟1.檢查部署狀態。導航到管理>系統>部署。

您可以檢查輔助節點狀態，如圖所示，三個輔助節點是(未處於同步)。



Hostname	Personas	Role(s)	Services	Node Status
ise-ppan	Administration, Monitoring	PRI(A), SEC(M)	NONE	Not in Sync
ise-pan1	Policy Service, pxGrid		SESSION, PROFILER	Not in Sync
ise-pan2	Policy Service, pxGrid		SESSION, PROFILER	Not in Sync
ise-span	Administration, Monitoring	SEC(A), PRI(M)	NONE	Not in Sync

部署狀態

步驟2.複查警報。定位至控制面板>警報>（證書已過期）。

確認哪個節點和哪個證書已過期。

 附註：如果主管理節點(PPAN)在任何輔助節點之前過期，則無法看到該節點的任何警報，這就是此警報中輔助管理節點(SPAN)發生的情況。

Identity Services Engine

Alarms: Certificate Expired

Description
This certificate has expired! ISE may fail when attempting to establish secure communications with clients. Inter-node communication may also be affected

Suggested Actions
Replace the certificate. For a trust certificate, contact the issuing Certificate Authority (CA). For a CA-signed local certificate, generate a CSR and have the CA create a new certificate. For a self-signed local certificate, use ISE to extend the expiration date. You can just delete the certificate if it is no longer used. For a system certificate, navigate to Administration > System > Certificate > System Certificates to view details. For a trusted certificate, navigate to Administration > System > Certificate > Trusted Certificates to view details

Rows/Page 3 |< < 1 / 1 > >| Go 3 Total Rows

✓ Acknowledge

Time Stamp	Description	Details
Jan 23 2025 16:00:13.466 PM	Local certificate Default self-signed server certificate expired on Thu: 23 Jan 2025 Server=ise-ppan	
Jan 22 2025 16:37:23.498 PM	Local certificate Default self-signed server certificate expired on Thu: 23 Jan 2025 Server=ise-psn1	
Jan 22 2025 16:36:53.545 PM	Local certificate Default self-signed server certificate expired on Thu: 23 Jan 2025 Server=ise-psn2	

警報 (證書已過期)

步驟3.檢查管理員證書狀態。導航到Administration > System > Certificates > Certificate Management > System Certificates > Expand node.

1.主管理節點(PPAN):

Identity Services Engine Administration / System

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

System Certificates

For disaster recovery it is recommended to export certificate and private key pairs of all system certificates.

Edit + Generate Self Signed Certificate + Import Export Delete View

Friendly Name	Used By	Portal group tag	Issued To	Issued By	Valid From	Expiration Date	Status
ise-ppan							
Default self-signed server certificate	Admin, Portal, EAP Authentication, RADIUS DTLS	Default Portal Certificate Group	ise-ppan.kdlab2.local	ise-ppan.kdlab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
Default self-signed saml server certificate - CN=SAML_ise-ppan.kdlab2.local	SAML		SAML_ise-ppan.kdlab2.local	SAML_ise-ppan.kdlab2.local	Wed, 22 Jan 2025	Mon, 21 Jan 2030	Active
CN=ise-ppan.kdlab2.local, OU=Certificate Services System Certificate#Certificate Services Endpoint Sub CA - ise-ppan#00003	pxGrid		ise-ppan.kdlab2.local	Certificate Services Endpoint Sub CA - ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
CN=ise-ppan.kdlab2.local, OU=ISE Messaging Service Ice#Certificate Services Endpoint Sub CA - ise-ppan#00004	ISE Messaging Service		ise-ppan.kdlab2.local	Certificate Services Endpoint Sub CA - ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
> ise-psn1							
> ise-psn2							
> ise-span							

PPAN管理員憑證狀態

2.輔助節點。

對於輔助節點，它可能是2個選項中的1個，並且在兩種情況下，您必須應用相同的行動計畫：

A.可以展開節點系統證書並確認管理員證書已過期：

System Certificates

Friendly Name	Used By	Portal group tag	Issued To	Issued By	Valid From	Expiration Date	Status
> ise-ppan							
> ise-psn1							
> ise-psn2							
> ise-span							
Default self-signed server certificate	Admin, Portal, EAP Authentication, RADIUS DTLS	Default Portal Certificate Group	ise-span.kdlab2.local	ise-span.kdlab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
Default self-signed saml server certificate - CN=SA ML_ise-ppan.kdlab2.local	SAML		SAML_ise-ppan.kdlab2.local	SAML_ise-ppan.kdlab2.local	Wed, 22 Jan 2025	Mon, 21 Jan 2030	Active
CN=ise-span.kdlab2.local, OU=Certificate Services System Certificate@Certificate Services Endpoint Sub CA - ise-span#000005	pxGrid		ise-span.kdlab2.local	Certificate Services Endpoint Sub CA - ise-span	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
CN=ise-span.kdlab2.local, OU=ISE Messaging Service, OU=Certificate Services Endpoint Sub CA - ise-span#000006	ISE Messaging Service		ise-span.kdlab2.local	Certificate Services Endpoint Sub CA - ise-span	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active

輔助節點管理員證書狀態

B.引發錯誤(「載入證書時出錯。此時無法到達節點。請稍後再試。」), 如(ise-psn2)所示

Error

Error loading certificates. Node not reachable at this time. Try again later.

OK

輔助節點無法訪問

行動計畫

確認所有4個節點的管理員證書過期後，必須應用以下步驟：

步驟1.從分散式部署中註銷所有輔助節點（僅當管理員證書過期時）。

導航到輔助節點的Administration > System > Deployment > Check [✓], 然後點選Deregister。

附註：取消註冊節點意味著該節點將移至獨立節點，然後您可以續訂此節點上的管理員證書。

Identity Services Engine Administration / System

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

Deployment Nodes

Selected 3 Total 4

1 2

Hostname	Personas	Role(s)	Services	Node Status
ise-ppan	Administration, Monitoring	PRI(A), SEC(M)	NONE	✓
ise-psn1	Policy Service, pxGrid		SESSION, PROFILER	⚠
ise-psn2	Policy Service, pxGrid		SESSION, PROFILER	⚠
ise-span	Administration, Monitoring	SEC(A), PRI(M)	NONE	⚠

註銷輔助節點

附註：請記住，只註銷管理員證書已過期的輔助節點，保留其餘節點。在本文檔中，所有輔助節點都已過期。

Identity Services Engine Administration / System

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

Deployment Nodes

Selected 0 Total 1

Hostname	Personas	Role(s)	Services	Node Status
ise-ppan	Administration, Monitoring	PRI(A), PRI(M)	NONE	✓

已取消註冊所有輔助節點

步驟2.續訂主管理節點(PPAN)的管理員證書。

1. 導航到Administration > System > Certificates > Certificate Management > System Certificates > Click +Generate Self Signed Certificate:

Identity Services Engine Administration / System

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

Certificate Management System Certificates

System Certificates

For disaster recovery it is recommended to export certificate and private key pairs of all system certificates.

+ Generate Self Signed Certificate + Import Export Delete View

Friendly Name	Used By	Portal group tag	Issued To	Issued By	Valid From	Expiration Date	Status
Default self-signed server certificate	Admin, Portal, EAP Authentication, RADIUS DTLS	Default Portal Certificate Group	ise-ppan.kdlab2.local	ise-ppan.kdlab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
Default self-signed saml server certificate - CN=SAML_ise-ppan.kdlab2.local	SAML		SAML_ise-ppan.kdlab2.local	SAML_ise-ppan.kdlab2.local	Wed, 22 Jan 2025	Mon, 21 Jan 2030	Active
CN=ise-ppan.kdlab2.local, OU=Certificate Services System Certificate#Certificate Services Endpoint Sub CA - ise-ppan#00003	pxGrid		ise-ppan.kdlab2.local	Certificate Services Endpoint Sub CA - ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
CN=ise-ppan.kdlab2.local, OU=ISE Messaging Service Ice#Certificate Services Endpoint Sub CA - ise-ppan#00004	ISE Messaging Service		ise-ppan.kdlab2.local	Certificate Services Endpoint Sub CA - ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active

生成新的自簽名管理員證書

2.選擇主要管理節點(PPAN)(ise-ppan)並填寫證書資訊：

Identity Services Engine Administration / System

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

Certificate Management System Certificates

Generate Self Signed Certificate

* Select Node ise-ppan

Subject

Common Name (CN)
\$FQDN\$

Organizational Unit (OU)
Tech

Organization (O)
KD

City (L)

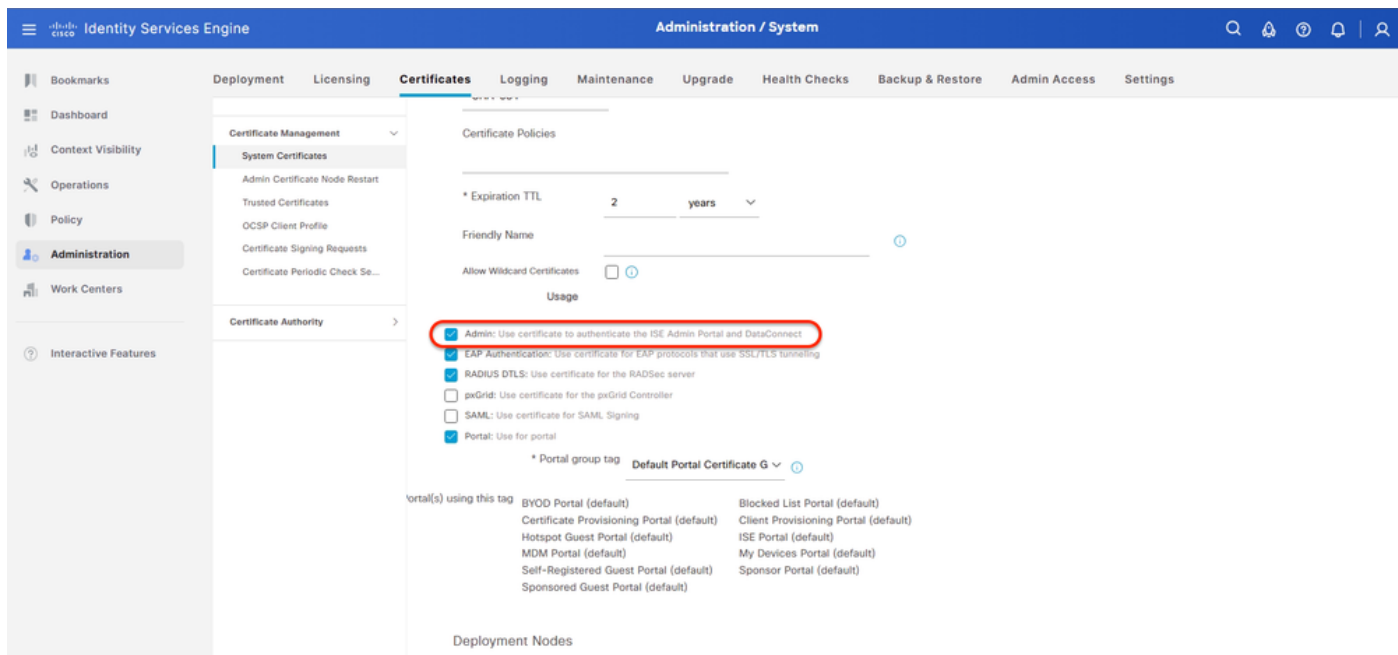
State (ST)

Country (C)

Subject Alternative Name (SAN)

選擇主管理節點(PPAN)

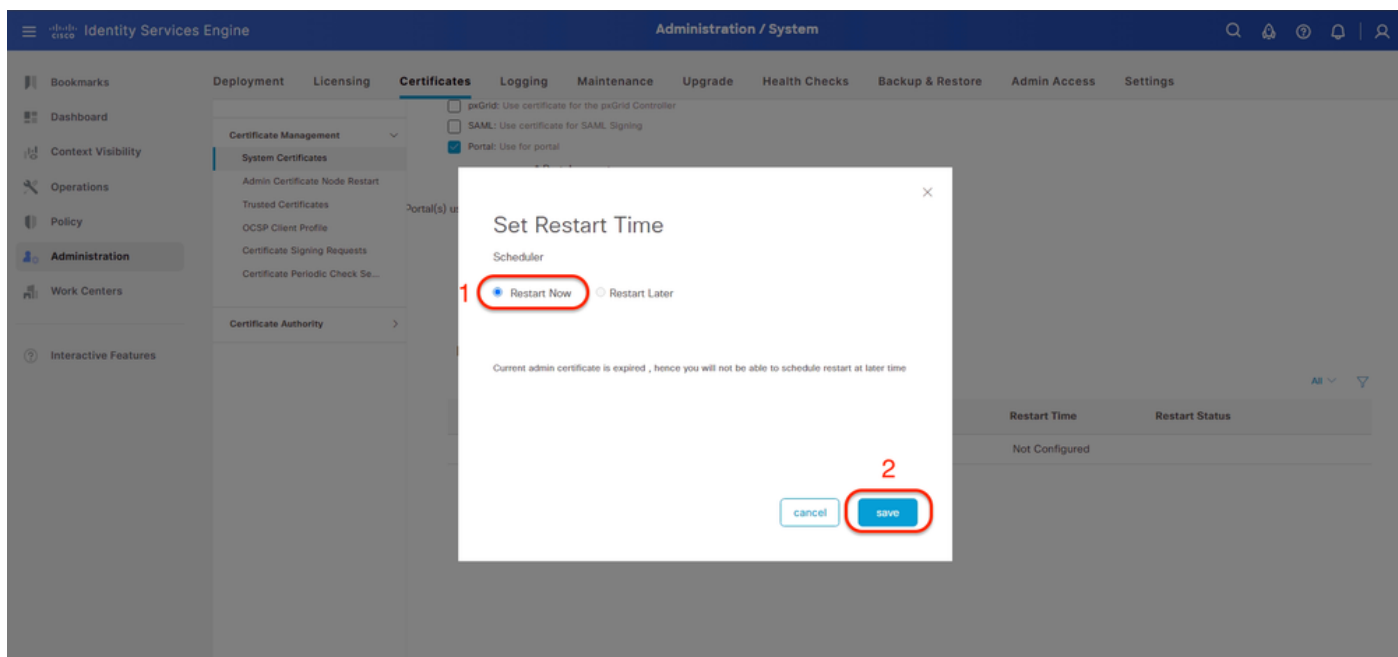
3.檢查[✓] Admin用法。



管理員使用情況

4. 為主管理節點(PPAN)設定Restart Time以立即重新啟動。 將部署上的所有節點設定為Restart Now 或Restart Later。

在主管理節點(PPAN)上續訂管理員證書 (為管理員使用配置的證書) 後，必須重新啟動部署中的所有節點。



將「Restart Time (重新啟動時間)」設定為「Now (現在)」

5. 按一下提交。

 附註：在主管理節點(PPAN)上續訂管理員證書 (為管理員使用配置的證書) 後，必須重新啟動部署中的所有節點。您可以立即重新啟動每個節點，也可以安排以後重新啟動。此功能可以確保任何正在運行的進程都不會因自動重新啟動而中斷，從而使您可以更好地控制該進程。

您可以在Administration > System > Certificates > Admin Certificate Node Restart視窗中檢視和編輯計畫重啟，該視窗可從Cisco ISE版本3.3獲得。

6. 驗證主管理節點(PPAN)的新管理員證書。

導航到Administration > System > Certificates > Certificate Management > System Certificates > Expand(ise-ppan)。

The screenshot shows the 'System Certificates' page in the Cisco ISE Administration console. The left sidebar contains navigation options like Bookmarks, Dashboard, Context Visibility, Operations, Policy, Administration (selected), Work Centers, and Interactive Features. The top navigation bar includes Deployment, Licensing, Certificates (selected), Logging, Maintenance, Upgrade, Health Checks, Backup & Restore, Admin Access, and Settings. The main content area displays a table of system certificates. The 'ise-ppan' certificate is highlighted with a red box. Below the table, there is a red box containing the details of the 'ise-ppan' certificate.

Friendly Name	Used By	Portal group tag	Issued To	Issued By	Valid From	Expiration Date	Status
Default self-signed server certificate	Not in use		ise-ppan.kdlab2.local	ise-ppan.kdlab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
Default self-signed saml server certificate - CN=SAML_ise-ppan.kdlab2.local	SAML		SAML_ise-ppan.kdlab2.local	SAML_ise-ppan.kdlab2.local	Wed, 22 Jan 2025	Mon, 21 Jan 2030	Active
CN=ise-ppan.kdlab2.local, OU=Certificate Services System Certificate, CN=Certificate Services Endpoint Sub CA - ise-ppan	pxGrid		ise-ppan.kdlab2.local	Certificate Services Endpoint Sub CA - ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
CN=ise-ppan.kdlab2.local, OU=ISE Messaging Service, CN=Certificate Services Endpoint Sub CA - ise-ppan	ISE Messaging Service		ise-ppan.kdlab2.local	Certificate Services Endpoint Sub CA - ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
O=KD, OU=Tech, CN=ise-ppan.kdlab2.local, OU=ise-ppan.kdlab2.local, CN=ise-ppan.kdlab2.local	Admin, EAP Authentication, RADIUS DTLS, Portal	Default Portal Certificate Group	ise-ppan.kdlab2.local	ise-ppan.kdlab2.local	Fri, 24 Jan 2025	Sun, 24 Jan 2027	Active

新管理員證書(ise-ppan)

步驟3. 續訂輔助節點的管理員證書。

1. 從分散式部署註銷後，確認獨立部署上的輔助節點。

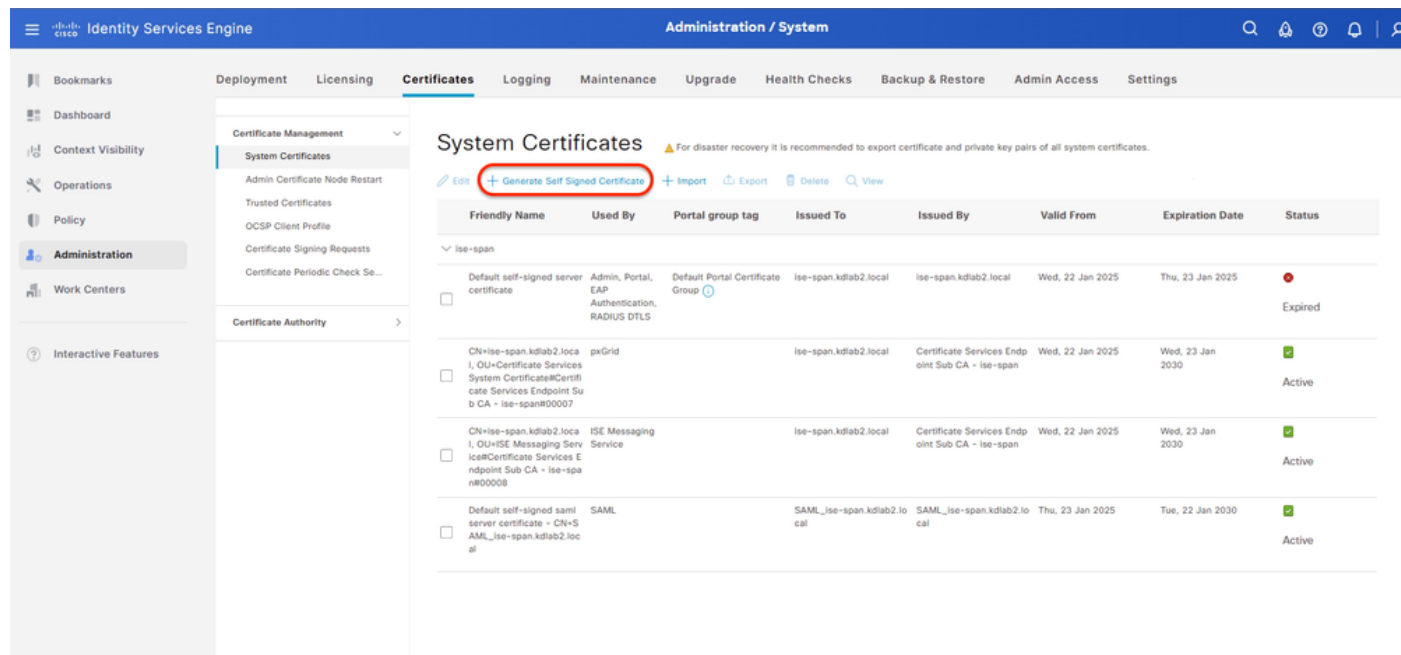
通過GUI瀏覽節點(<https://<FQDN/IP>>)並導航到管理>系統>部署。

The screenshot shows the 'Deployment Nodes' page in the Cisco ISE Administration console. The left sidebar contains navigation options like Bookmarks, Dashboard, Context Visibility, Operations, Policy, Administration (selected), Work Centers, and Interactive Features. The top navigation bar includes Deployment, Licensing, Certificates, Logging, Maintenance, Upgrade, Health Checks, Backup & Restore, Admin Access, and Settings. The main content area displays a table of deployment nodes. The 'ise-ppan' node is highlighted with a red box. Below the table, there is a red box containing the details of the 'ise-ppan' node.

Hostname	Personas	Role(s)	Services	Node Status
ise-ppan	Administration, Monitoring, Policy Service	STANDALONE	SESSION, PROFILER	Active

(ise-span)在獨立部署上

2. 導航到管理>系統>證書>證書管理>系統證書>按一下+生成自簽名證書。



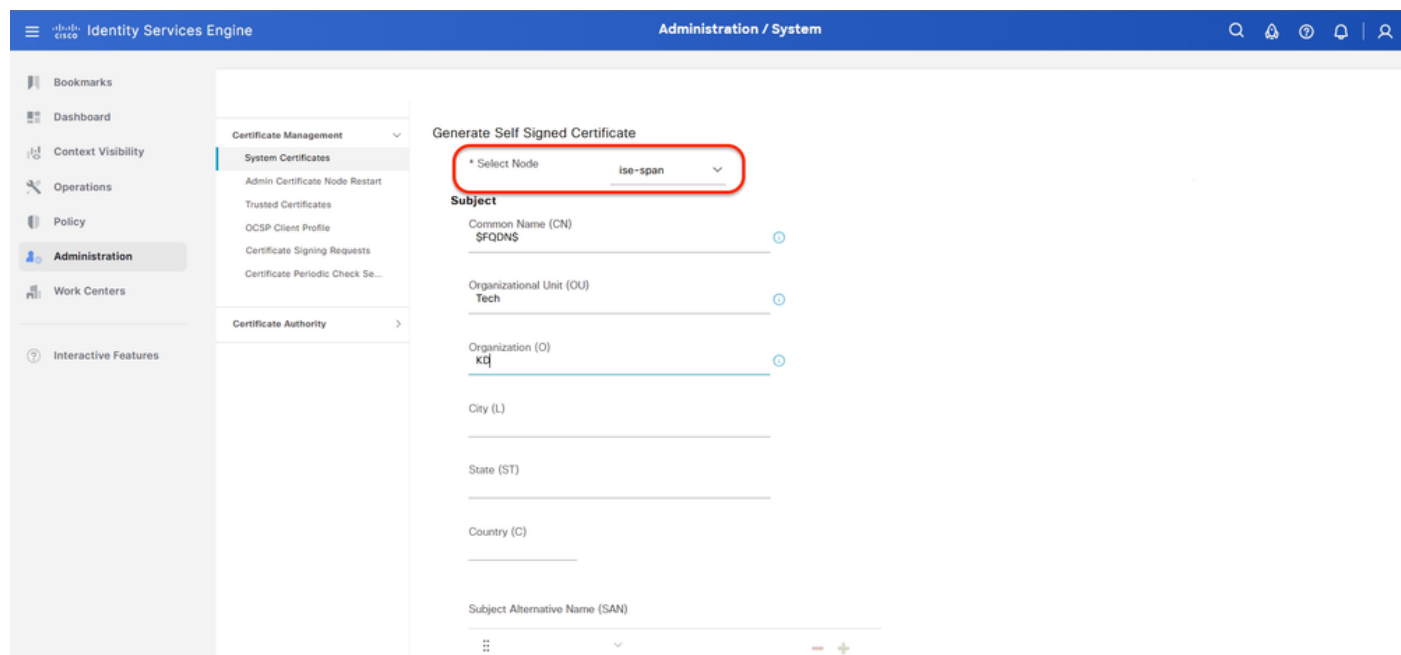
System Certificates ⚠ For disaster recovery it is recommended to export certificate and private key pairs of all system certificates.

[Edit](#) [+ Generate Self Signed Certificate](#) [+ Import](#) [Export](#) [Delete](#) [View](#)

Friendly Name	Used By	Portal group tag	Issued To	Issued By	Valid From	Expiration Date	Status
ise-span							
Default self-signed server certificate	Admin, Portal, EAP Authentication, RADIUS DTLS	Default Portal Certificate Group	ise-span.kdlab2.local	ise-span.kdlab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
CN=ise-span.kdlab2.local, OU=Certificate Services, System Certificate@Certificate Services Endpoint Sub CA - ise-span#00007	pxGrid		ise-span.kdlab2.local	Certificate Services Endpoint Sub CA - ise-span	Wed, 22 Jan 2025	Wed, 23 Jan 2030	Active
CN=ise-span.kdlab2.local, OU=ISE Messaging Service, LocalCertificate Services Endpoint Sub CA - ise-span#00008	ISE Messaging Service		ise-span.kdlab2.local	Certificate Services Endpoint Sub CA - ise-span	Wed, 22 Jan 2025	Wed, 23 Jan 2030	Active
Default self-signed saml server certificate - CN=SAML_ise-span.kdlab2.local	SAML		SAML_ise-span.kdlab2.local	SAML_ise-span.kdlab2.local	Thu, 23 Jan 2025	Tue, 22 Jan 2030	Active

生成新的自簽名管理員證書

3. 選擇(ise-span)並填寫證書資訊。



Generate Self Signed Certificate

* Select Node: **ise-span**

Subject

Common Name (CN): **\$FQDN\$**

Organizational Unit (OU): **Tech**

Organization (O): **KCI**

City (L):

State (ST):

Country (C):

Subject Alternative Name (SAN):

選擇節點

4. 檢查[✓] Admin用法。

Identity Services Engine Administration / System

Bookmarks Dashboard Context Visibility Operations Policy Administration Work Centers Interactive Features

Certificate Management System Certificates Admin Certificate Node Restart Trusted Certificates OCSP Client Profile Certificate Signing Requests Certificate Periodic Check Se...

Certificate Authority

* Digest to Sign With SHA-384

Certificate Policies

* Expiration TTL 2 years

Friendly Name

Allow Wildcard Certificates

Usage

☒ Admin: Use certificate to authenticate the ISE Admin Portal and DataConnect

☒ EAP Authentication: Use certificate for EAP protocols that use SSL/TLS tunneling

☒ RADIUS DTLS: Use certificate for the RADSec server

☐ pxGrid: Use certificate for the pxGrid Controller

☐ SAML: Use certificate for SAML Signing

☒ Portal: Use for portal

* Portal group tag Default Portal Certificate G

Portal(s) using this tag

BYOD Portal (default) Certificate Provisioning Portal (default) Hotspot Guest Portal (default) MDM Portal (default) Self-Registered Guest Portal (default) Sponsored Guest Portal (default)

Blocked List Portal (default) Client Provisioning Portal (default) ISE Portal (default) My Devices Portal (default) Sponsor Portal (default)

管理員使用情況

附註：更改ISE節點上的管理員角色證書的證書重新啟動服務。

5.按一下提交。

6.驗證上的新管理員證書(ise-span)。

導航至 管理>系統>證書>證書管理>系統證書 >擴展(ise-span)。

Identity Services Engine Administration / System

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

Bookmarks Dashboard Context Visibility Operations Policy Administration Work Centers Interactive Features

Certificate Management System Certificates Admin Certificate Node Restart Trusted Certificates OCSP Client Profile Certificate Signing Requests Certificate Periodic Check Se...

Certificate Authority

System Certificates

For disaster recovery it is recommended to export certificate and private key pairs of all system certificates.

Generate Self Signed Certificate Import Export Delete View

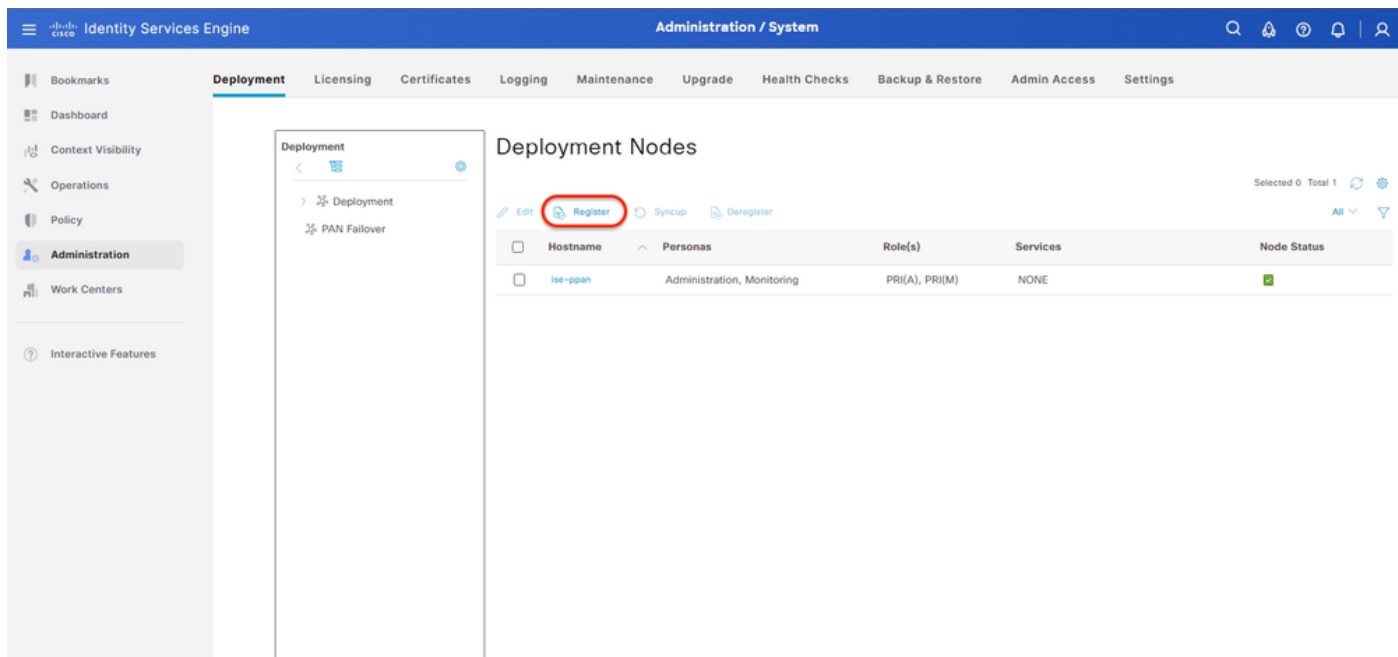
Friendly Name	Used By	Portal group tag	Issued To	Issued By	Valid From	Expiration Date	Status
ise-span							
Default self-signed server certificate	Not in use		ise-span.kdlab2.local	ise-span.kdlab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
O=KD, OU=Tech, CN=ise-span.kdlab2.local@ise-span.kdlab2.local#000009	Admin, EAP Authentication, RADIUS DTLS, Portal	Default Portal Certificate Group	ise-span.kdlab2.local	ise-span.kdlab2.local	Fri, 24 Jan 2025	Sun, 24 Jan 2027	Active
CN=ise-span.kdlab2.local, OU=Certificate Services System Certificate#Certificate Services Endpoint Sub CA - ise-span#000007	pxGrid		ise-span.kdlab2.local	Certificate Services Endpoint Sub CA - ise-span	Wed, 22 Jan 2025	Wed, 23 Jan 2030	Active
CN=ise-span.kdlab2.local, OU=ISE Messaging Service, OU=Certificate Services Endpoint Sub CA - ise-span#000008	ISE Messaging Service		ise-span.kdlab2.local	Certificate Services Endpoint Sub CA - ise-span	Wed, 22 Jan 2025	Wed, 23 Jan 2030	Active
Default self-signed saml server certificate - CN=SAML_ise-span.kdlab2.local	SAML		SAML_ise-span.kdlab2.local	SAML_ise-span.kdlab2.local	Thu, 23 Jan 2025	Tue, 22 Jan 2030	Active

新管理員憑證(ise-span)

步驟4.將輔助節點註冊到分散式部署。

按照以前的方式設定您的部署人員和角色 (Admin、MNT、PSN等)。

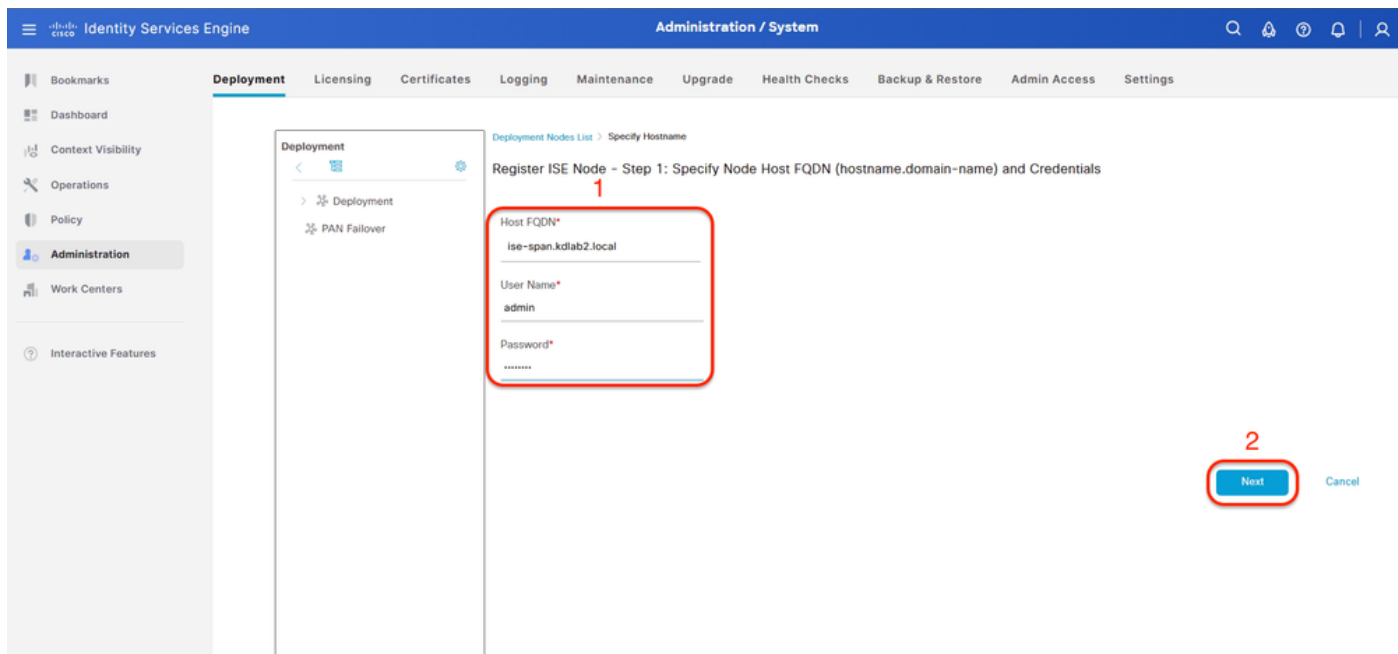
1.從主管理節點(PPAN)GUI。導航到管理>系統>部署>點選註冊。



主要管理節點(PPAN)GUI

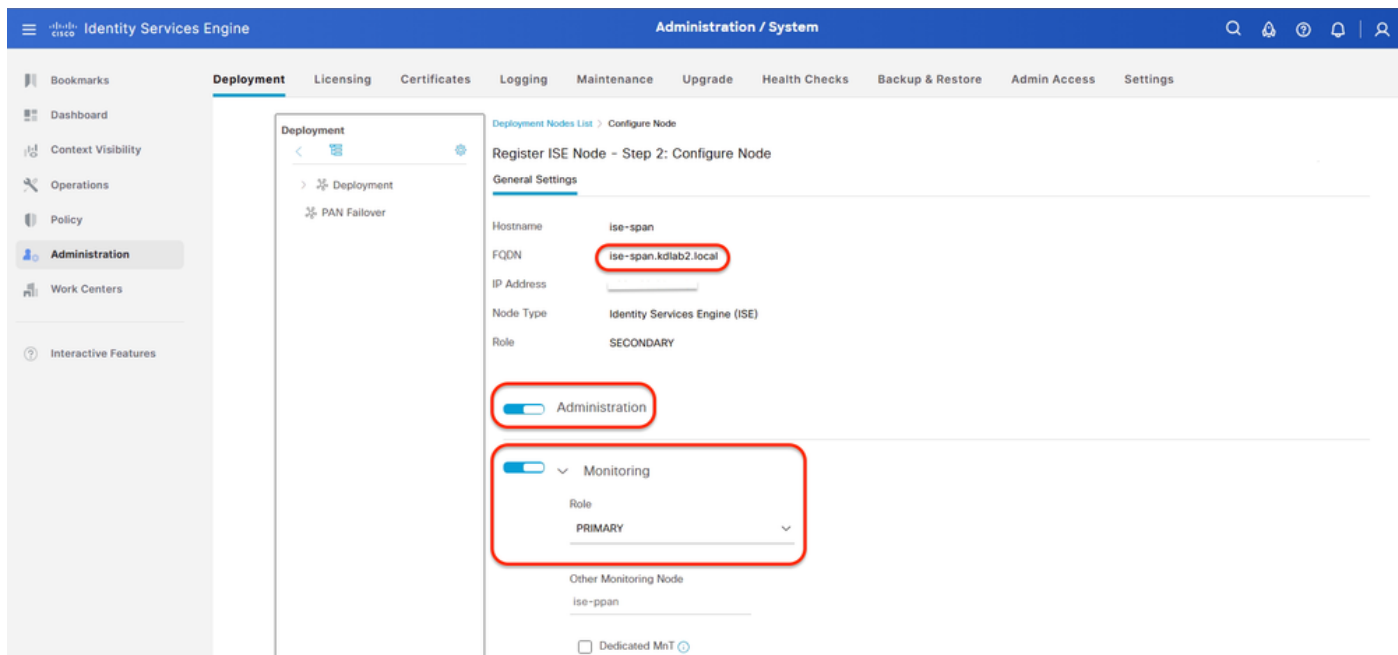
2.輸入輔助節點的FQDN和憑據(使用者名稱/密碼)。

輸入要註冊的獨立節點的DNS可解析的完全限定域名(FQDN)。要註冊的(PPAN)和節點的FQDN必須可相互解析。



輸入輔助節點訪問

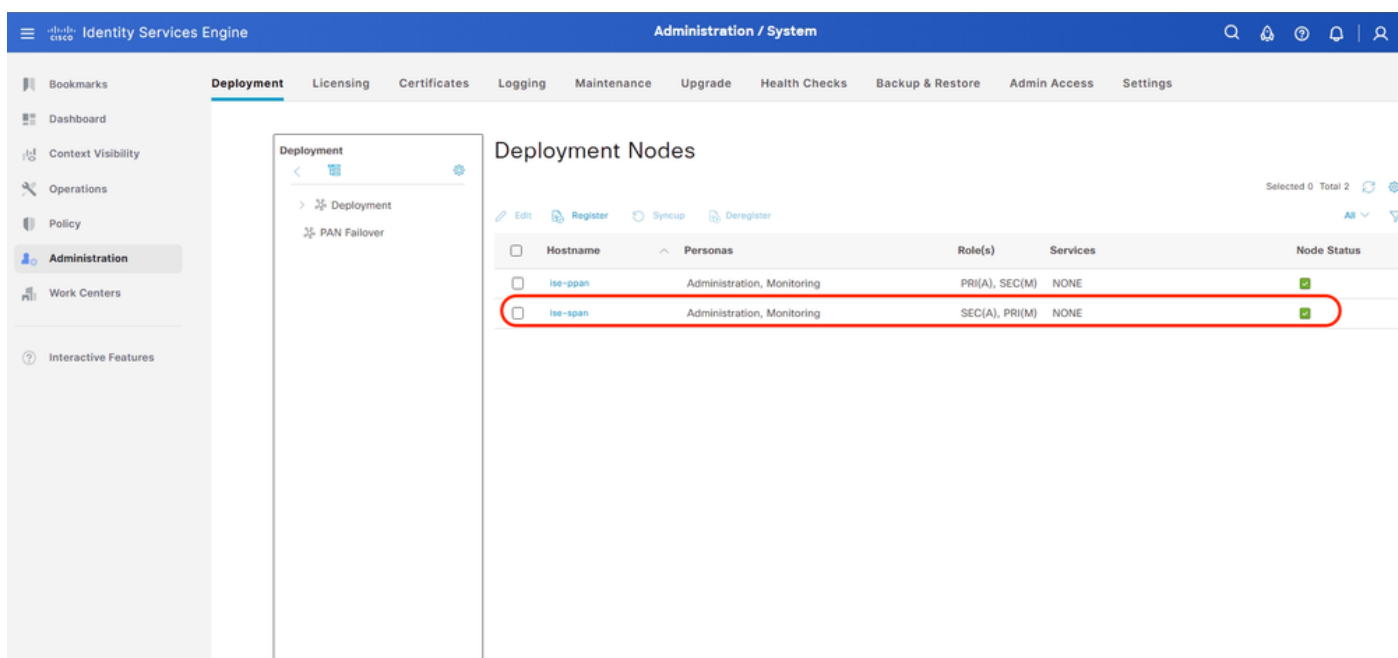
3. 啟用正確的角色和服務。



註冊次要節點(ise-span)

步驟5.驗證部署狀態。

導航到管理>系統>部署。



(ise-span)已新增到部署

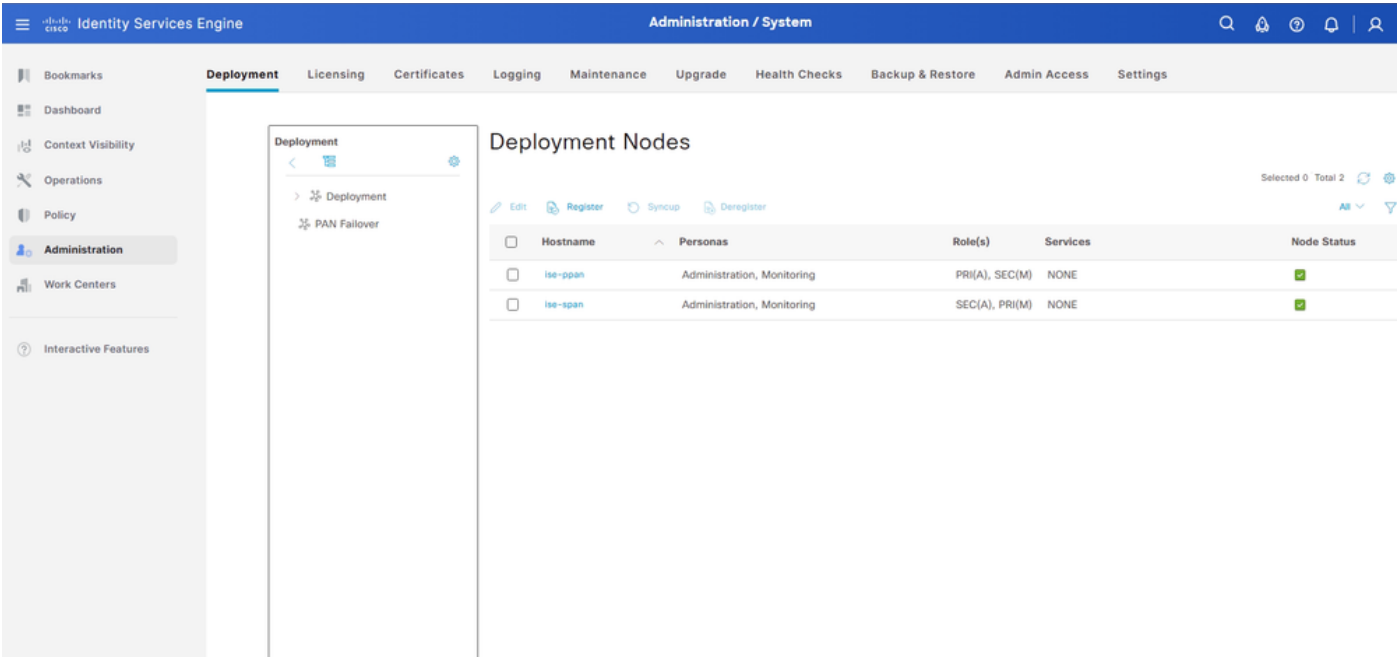
疑難排解

使用案例1:在分散式狀態下停滯的已註銷輔助節點(ise-psn1)

驗證狀態

步驟1.確認分散式部署狀態。

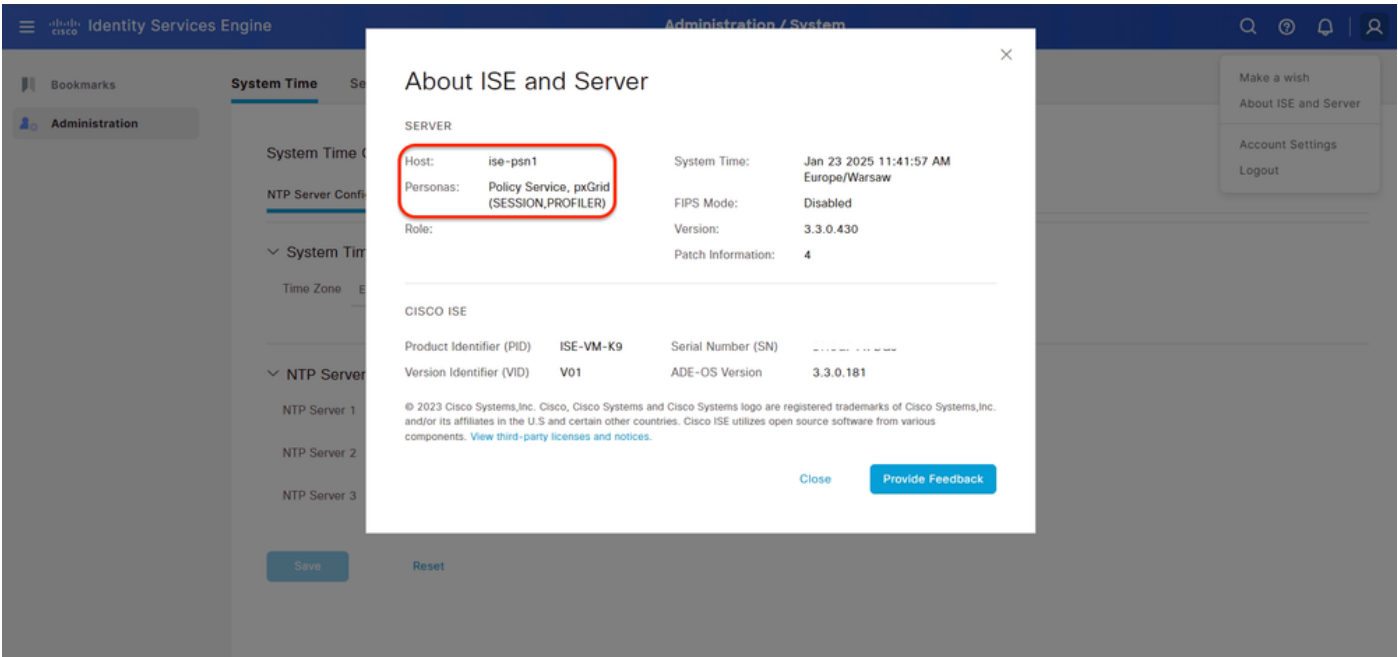
從主管理節點(PPAN)GUI。導航到管理>系統>部署。您可以確認此節點(ise-psn1)已註銷。



(PPAN)部署節點

步驟2.確認(ise-psn1)節點狀態。

通過GUI(<https://ise-psn1.kdlab.local>)瀏覽輔助節點，然後導航登入>關於ISE和伺服器。

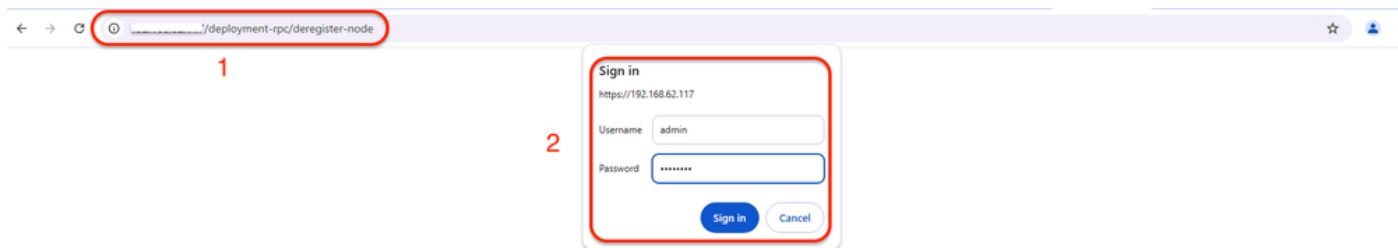


輔助節點(ise-psn1)在分散式部署狀態停滯

因應措施

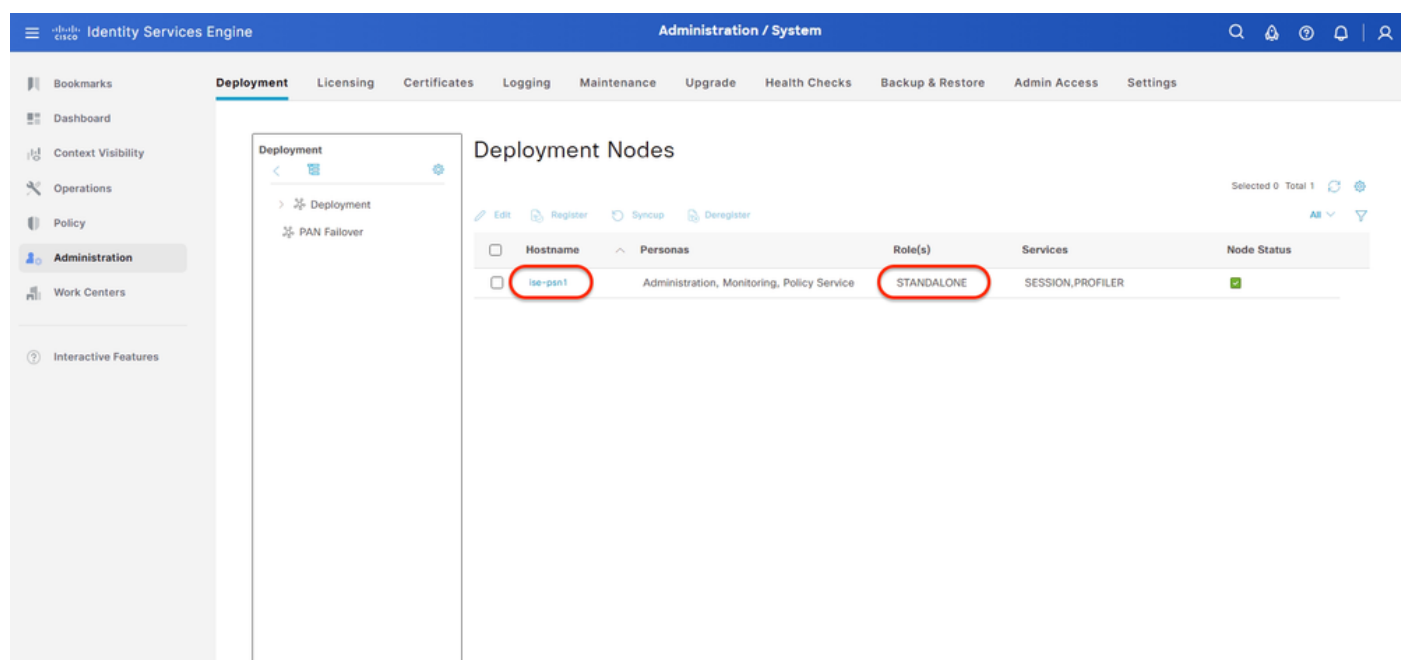
步驟1.手動註銷(ise-psn1)節點。

通過GUI(<https://<ise-psn1 IP>/deployment-rpc/deregister-node>)將(ise-psn1)節點強製為獨立部署。



手動註銷節點 — GUI

步驟2.在獨立部署上立即驗證(ise-psn1)。



獨立部署上的(ise-psn1)

步驟3.確認節點處於獨立狀態後，請繼續執行操作計畫部分的相同步驟：

1. 續訂(ise-psn1)節點的管理證書。
2. 將(ise-psn1)節點註冊到分散式部署。
3. 驗證部署狀態。

Identity Services Engine Administration / System

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

Deployment

Deployment Nodes

Hostname	Personas	Role(s)	Services	Node Status
ise-ppan	Administration, Monitoring	PRI(A), SEC(M)	NONE	✓
ise-psn1	Policy Service, pxGrid		SESSION, PROFILER	✓
ise-span	Administration, Monitoring	SEC(A), PRI(M)	NONE	✓

(ise-psn1)已新增到部署

使用案例2:取消註冊的輔助節點GUI無法訪問(ise-psn2)

驗證狀態

步驟1.確認分散式部署狀態。

從主管理節點(PPAN)GUI。導航到管理>系統>部署。您可以確認此節點(ise-psn2)已註銷。

Identity Services Engine Administration / System

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

Deployment

Deployment Nodes

Hostname	Personas	Role(s)	Services	Node Status
ise-ppan	Administration, Monitoring	PRI(A), SEC(M)	NONE	✓
ise-psn1	Policy Service, pxGrid		SESSION, PROFILER	✓
ise-span	Administration, Monitoring	SEC(A), PRI(M)	NONE	✓

(PPAN)部署節點

步驟2.確認(ise-psn2)節點狀態。

由於管理員證書在某些情況下已過期，因此您可能會遇到以下症狀：

- (ise-psn2)GUI無法訪問。
- (ise-psn2)CLI(show application status ise)ISE應用程式停滯不前(initializing或not running)。
- (ise-psn2)CLI(show tech)節點已在獨立部署中。

```

*****
Displaying ISE deployment ...
*****
Node Config Details

NAME                PERSONA                ROLE                ACTIVE                REPLICATION
-----
ise-psn2            PAN,MNT,PSN           STANDALONE  ACTIVE                SYNC COMPLETED

```

(ise-psn2)在獨立部署上

因應措施

步驟1.續訂(ise-psn2)節點的管理證書。

1. 通過CLI登入(ise-psn2)。
2. 輸入application configure ise。
3. 輸入31 ([31]生成自簽名管理員證書) 。
4. 是否要繼續？y/[n]:y
5. 是否要在生成後替換現有證書？y/[n]:y

```
ise-psn2/admin#application configure ise

Selection configuration option
[1]Reset M&T Session Database
[2]Rebuild M&T Unusable Indexes
[3]Purge M&T Operational Data
[4]Reset M&T Database
[5]Refresh Database Statistics
[6]Display Profiler Statistics
[7]Export Internal CA Store
[8]Import Internal CA Store
[9]Create Missing Config Indexes
[10]Create Missing M&T Indexes
[12]Generate Daily KPM Stats
[13]Generate KPM Stats for last 8 Weeks
[14]Enable/Disable Counter Attribute Collection
[15]View Admin Users
[16]Get all Endpoints
[19]Establish Trust with controller
[20]Reset Context Visibility
[21]Synchronize Context Visibility With Database
[22]Generate Heap Dump
[23]Generate Thread Dump
[24]Force Backup Cancellation
[25]CleanUp ESR 5921 IOS Crash Info Files
[26]Recreate undotablespace
[27]Reset Upgrade Tables
[28]Recreate Temp tablespace
[29]Clear Sysaux tablespace
[30]Fetch SGA/PGA Memory usage
[31]Generate Self-Signed Admin Certificate
[32]View Certificates in NSSDB or CA_NSSDB
[33]Recreate REPLOGNS tablespace
[34]View Native IPsec status
[35]Enable/Disable/Current_status of Audit-Session-ID Uniqueness
[36]Check and Repair Filesystem
[37]Enable/Disable/Current_status of RSA_PSS signature for EAP-TLS
[38]Localised ISE Install
[39]Reset System 360 Monitoring Page
[40]Enable/Disable Explicit EC Check
[41]Gather Diagnostic data for Certificates
[42]Enable/Disable Parse SAN DirName Extension
[0]Exit

31
After this operation, the ISE node will restart
Do you want to continue? y/[n]: y
Certificate Subject
  *Common Name (CN) : ise-psn2.kdlab2.local
  Enter Organization Unit (OU) : Tech
  Enter Organization (O) : KD
Do you want to replace existing certificate after generation? y/[n]: y
Old Memory Size : 32639004
```


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）。