

ةيهتنم ISE لوؤسم ةداهش عاطخأ فاشكتسأ اهحالصلإو ةيحالصلإ

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ةمدقملا

Cisco Identity Services Admin لوؤسم ةداهش عاطخأ فاشكتسأ ةيفيك دنتسملا اذه حضوي
اهديجتو اهلحالصلإو اهتيجالصل تهتنإا يتلا (ISE).

ةيساسألإا تابلطتملا

تابلطتملا

عوضوم اذه نم ةفرعم تنأ ىقلتني نأ يصوي cisco:

- Cisco ISE رشن
- Cisco ISE يف تاداهشلا ةرادإ

ةمدختسملا تانوكملا

ةغيص ةيجمررب اذه ىلع ةقيثو اذه يف ةمولعملا تسسأ:

- 4 Cisco Identity Services Engine (ISE)، رادصلإا 3.3 Patch4 جمانربلا

ةصاخ ةي لمعم ةئي ب ي ف ةدوجومل ةزهجال نم دنتسمل اذه ي ف ةدراول تامولعمل عاشنإ م تناك اذإ .(يضا رتفا) حوسمم نيوكتب دنتسمل اذه ي ف ةمدختسمل ةزهجال عيمج تأدب رما يأل لمحتحمل ريثأتلل كمهف نم دكأتف ،ليغشتل دي قكتكبش

ةيساسأ تامولعم

ءاطخال فاشكتسأ ةطخ مادختسإ كنكمي ،كلذ عمو ؛عزومل رشنلإ يلع دنتسمل اذه زكري ةلقتسمل ةدقعلإ يلع اهسفن اءال صاو

ةيوناثل وأ (PPAN) ةيساسأل لوؤسمل ةدقع اما ةدقعل نوكت ،عزومل ISE رشن ي ف

ءاهتنا ريثأت حيضوتل ايتاذ ةعقوم ةداهشك ISE لوؤسم ةداهش دنتسمل اذه مدختسي ةداهش مادختسإ لضفأل نم .جاتنإ ماظنل جهنل اذهب ي صوي ال نكلو ،ةداهشل ةي حالص لوؤسمل مادختسال ةطلسل لبق نم ةعقوم

طيطختل او ءحصلال ءلاح ي ف لوؤسمل ةداهشب ظافتحالاب Cisco كي صوت :ةطخال اهديجتو ISE ماظن تاداهش بقعت ي ف كتدعاسمل لي لدل اذه نع ثحبا ،امدقم دي دجتلل (ISE يلع تاداهشل دي دجت تاي لمع نيوكت).

(ةي حالصلال ةيه تنم) ISE لوؤسم ةداهش

لوؤسمل ةداهش ءلاح نم ققحتل

رشنل > ماظنل > ةرادإلإ يلى لقتنا .رشنل ءلاح نم ققحت 1. ةوطخل

ريغ) يه ثالثل ةيوناثل دقعل ،ءضوم وه امك ،ةيوناثل دقعل ءلاح نم ققحتل كنكمي (ةنمازتم).

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

رشنل ءلاح

ةيخالص تهتنا) > تاهيبننتال > تامولعمل احوول لى لقتنا . تاهيبننتال عجار 2. ةوطخلال (ةداهشال

اهتيخالص تهتنا ةداهش يأو ةدقع يأ ديكأتل

ال ةيوناث ةدقع يأ لبق (PPAN) ةيساسأل ةرادإل ةدقع ةيخالص تهتنا اذ: ةطخالم ي ف (SPAN) ةيوناثال ةرادإل ةدقعل ثدح ام اذه ، ةدقعل كلت نم تاهيبننت يأ ةيؤركنكمي هيبنتال اذه .

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

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	

(ةداهشال ةيخالص تهتنا) تاهيبننت

> تاداهشال ةرادإ > تاداهش > ماطن > ةرادإ لى لقتنا . لوؤسمل ةداهش ةلاح نم ققحت 3. ةوطخلال ةدقعل عيسوت > ماطنل تاداهش

1. (PPAN) ةيساسأل ةرادإل ةدقع :

Identity Services Engine Administration / System

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

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.

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
Default self-signed server certificate	Admin, Portal, EAP Authentication, RADIUS DTLS	Default Portal Certificate Group	ise-ppan.kdiab2.local	ise-ppan.kdiab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
Default self-signed saml server certificate - CN=SAML_ise-ppan.kdiab2.local	SAML		SAML_ise-ppan.kdiab2.local	SAML_ise-ppan.kdiab2.local	Wed, 22 Jan 2025	Mon, 21 Jan 2030	Active
CN=ise-ppan.kdiab2.local, OU=Certificate Services Endpoint Sub CA - Ise-ppan#00003	pxGrid		ise-ppan.kdiab2.local	Certificate Services Endpoint Sub CA - Ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
CN=ise-ppan.kdiab2.local, OU=ISE Messaging Service#Certificate Services Endpoint Sub CA - Ise-ppan#00004	ISE Messaging Service		ise-ppan.kdiab2.local	Certificate Services Endpoint Sub CA - Ise-ppan	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
> ise-psn1							
> ise-psn2							
> ise-span							

لوؤسم ةداهش ةلاح

2. ةيوناثال دقعل.

قيبطت بجي نيئتلاحال اتلك يفو نييراخي نم 1 نوكي نأ نكمي ،ةيوناثال دقعل ةبسنلاب افسف لمعل ةطخ

لوؤسم ال ةداهش ةيحل الصاءت نالعل ديكأتالو ةدقعل ماظن ةداهش عيسوت نكمي أ.

Identity Services Engine Administration / System

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

Certificate Management

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

Certificate Authority

System Certificates

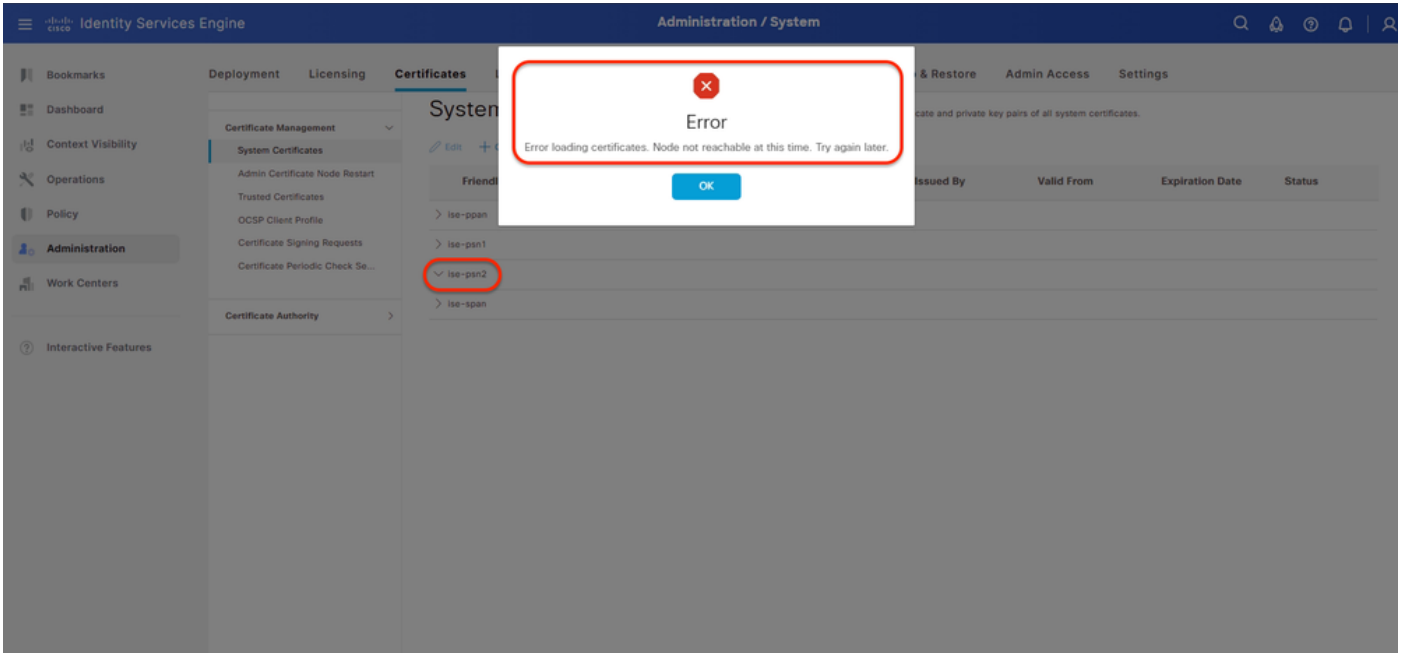
For disaster recovery it is recommended to export certificate and private key pairs of all system certificates.

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							
> ise-psn1							
> ise-psn2							
Default self-signed server certificate	Admin, Portal, EAP Authentication, RADIUS DTLS	Default Portal Certificate Group	ise-span.kdiab2.local	ise-span.kdiab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
Default self-signed saml server certificate - CN=SAML_ise-ppan.kdiab2.local	SAML		SAML_ise-ppan.kdiab2.local	SAML_ise-ppan.kdiab2.local	Wed, 22 Jan 2025	Mon, 21 Jan 2030	Active
CN=ise-span.kdiab2.local, OU=Certificate Services Endpoint Sub CA - Ise-span#00005	pxGrid		ise-span.kdiab2.local	Certificate Services Endpoint Sub CA - Ise-span	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active
CN=ise-span.kdiab2.local, OU=ISE Messaging Service#Certificate Services Endpoint Sub CA - Ise-span#00006	ISE Messaging Service		ise-span.kdiab2.local	Certificate Services Endpoint Sub CA - Ise-span	Tue, 21 Jan 2025	Tue, 22 Jan 2030	Active

ةيوناثال دقعل لوؤسم ةداهش ةلاح

لواح .تقولا اذه يف ةدقعلال ال لوصولا رذعتي .تاداهشال لي محت يف أطخ" ءاقلال يف أطخ .ب لواح (ISE-PSN2) ل حضوم وه امك .(اقحال رخأ ةرم



ةيوناتل دقعلا لىل لوصول رذعتي

لمعة طخ

تاوطخل قيبطت بجي ،اهعيمج عبرال دقعل لوؤسمل ةداهش ةيحالصة اهاتنا ديكأت دعب ةيلاتل:

اهاتنا ةلاح في طقف) عزومل رشنل نم ةيوناتل دقعل اعيمج ليحست اغلاب مق 1. ةوطخل (لوؤسمل ةداهش ةيحالصة).

اغلاب قوف رقناو ةيوناتل دقعل [✓] نم ققحتل > رشنل > ماظنل > ةرادلا لىل لقتنا ليحستل.

ديجت كنكمي مث لقتسم عضو لىل لقتنت اهنأ ينعي دقعل ليحست اغلاب :ةطحالمة
دقعل هذه لىل لوؤسمل ةداهش.

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	⚠

ةيوناثال دقعل ليجست ءاغل

ةداهش ءيحالص تهتنا شيح طقف ءيوناثال دقعل ليجست ءاغل ركذت :ةظحالـ
دقعل ءفاك ءيحالص تهتنا ،دنتسمل اذه يف .يقيبالب طافتجال او لعفالب لوؤسـ
ةيوناثال .

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	✓

ةيوناثال دقعل ءيـ ليجست ءاغلـ

(PPAN) ءيساسأل ءرادإل ءدقعل لوؤسـم ءداهش ديـجت 2 ءوطـالـ

ءاشنـ+ رقنـ > مـاظنـل ءداهش > ءداهشـل ءرادـ > ءداهشـ > مـاظنـ > ءرادـ إـلـ لـقـتـنـا 1 .
اـيـاـذ ءـقـوم ءداهشـ

Identity Services Engine Administration / System

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

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.

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
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

ايتاذة عقوم ةديج لوؤسم ةداهش عاشنا

ةداهشلا تامولعم ةئبعتب مقو (ISE-PPAN) (PPAN) ةيساسألا ةرادإلا ةدقع دح.

Identity Services Engine Administration / System

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

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

Certificate Authority >

Generate Self Signed Certificate

* Select Node ise-ppan

Subject

Common Name (CN)
\$FQDN\$

Organizational Unit (OU)
Tech

Organization (O)
KD

City (L)

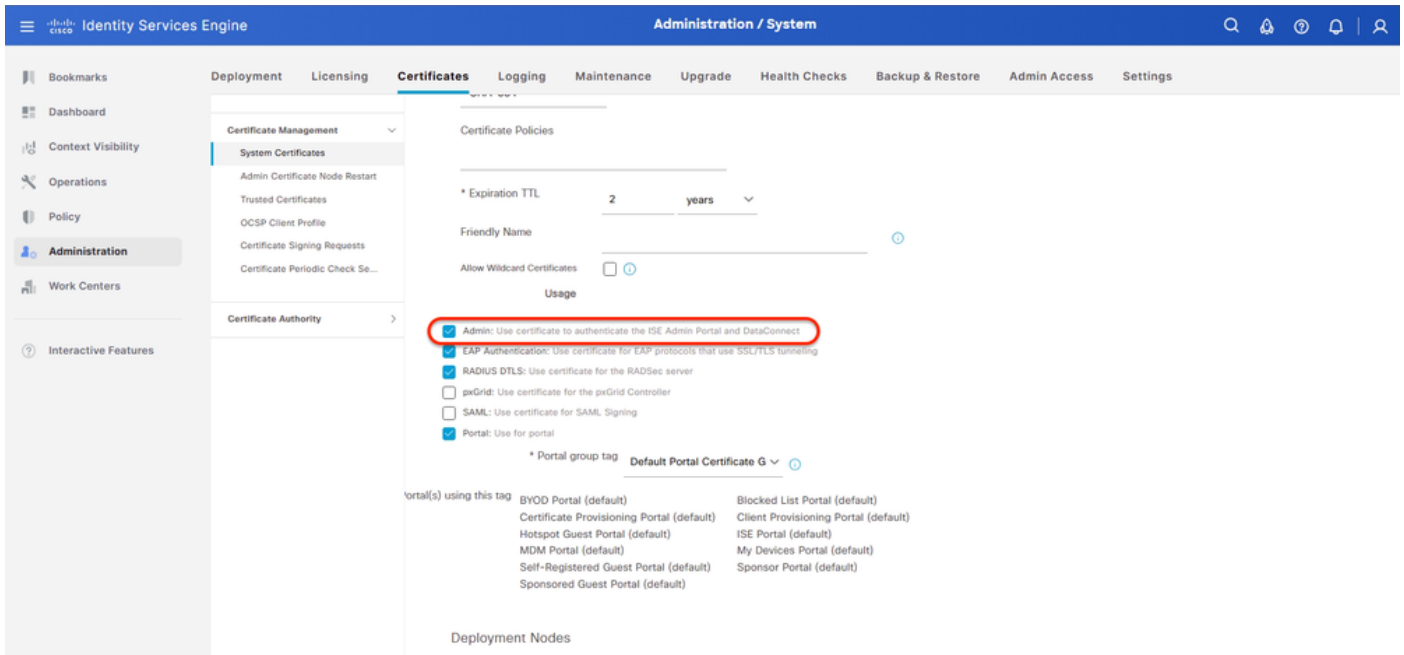
State (ST)

Country (C)

Subject Alternative Name (SAN)

(PPAN) ةيساسألا ةرادإلا ةدقع دح

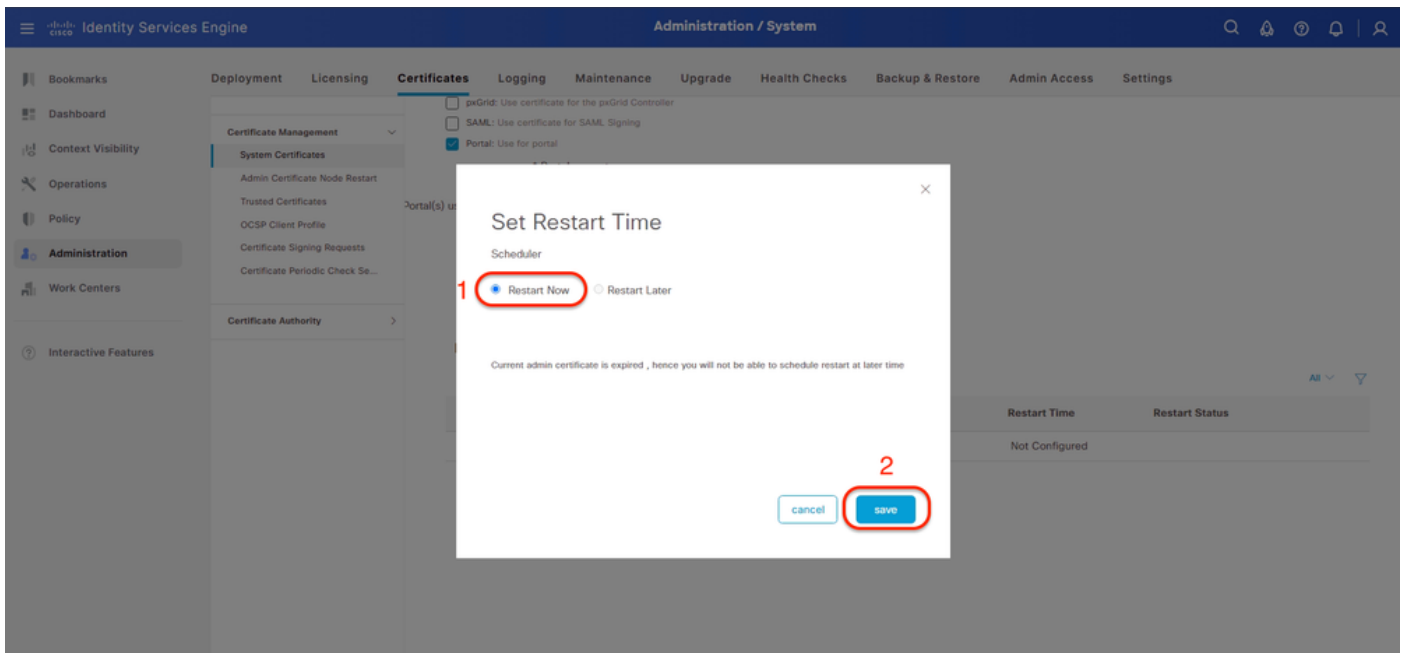
لوؤسملا مادختسا [✓] نم ققحت.



لوؤسم الم امدختس

4. (PPAN) سيساسال لوؤسم الم ةدقعل نال ليغشتال ةداعل ليغشتال ةداعل تقو نييغت ب مق ليغشتال ةداعل و نال ليغشتال ةداعل ام رشنل ي ةدوجوم الم دقعل ةفاك نييغت ب مق اقحال.

ةرادال ةدقعل ل (لوؤسم الم امدختس ال امني وكت مت ةداهش) لوؤسم ةداهش ديغت دب رشنل ي ةدقعل ةفاك ليغشت ةداعل بجي، (PPAN) ةيساسال



نال ال ليغشتال ةداعل تقو نييغت

5. لاسرا قوف رقنا.

ةدقعل ي (لوؤسم الم امدختس ال امني وكت مت ةداهش) لوؤسم ةداهش ديغت دب :ةظالم ةداعل ام كنكمي. رشنل ي ةدقعل ةفاك ليغشت ةداعل بجي، (PPAN) ةيساسال ةرادال



قزيملا هذه كل حيتت .اقحال ليغشتلا ةداع| تايلمع ةلودج وأ اروف ةدقع لك ليغشت
ليغشتلا ةداع| تايلمع ةطساوب ليغشتلا دي ق تايلمع يآ ليطعت مدع نم دكأتلا
ةيلمعلا يف مكحتلا نم ربكأ اردق كحنمي امم ،ةيئاقلا لل

> ةرادإل ليغشت ةداع| ةذفان يف ةلودجمل ليغشتلا ةداع| تايلمع ريحرتو ضرع كنكمي
Cisco نم 3.3 رادصلال نم رفوتت يتلاو ،ةرادإل ةداهش ةدقع ليغشت ةداع| > تاداهشال > ماظنلا
ISE.

6. (PPAN) ةيساسألا ةرادإل ةدقع ل ةديجال لوؤسملا ةداهش نم ققحت .

(ISE-PPAN) عيسوت > ماظنلا تاداهش > تاداهشال ةرادإ > تاداهش > ماظن > ةرادإ ىلإ لقتنا

Friendly Name	Used By	Portal group tag	Issued To	Issued By	Valid From	Expiration Date	Status
ise-ppan							
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@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 Ise@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
O=KD, OU=Tech, CN=ise-ppan.kdlab2.local, OU=ise-ppan.kdlab2.local#00005	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

(ISE-PPAN) ةديجال لوؤسم ةداهش

ةيوناثلا دقع لل لوؤسملا ةداهش دي دجت 3. ةوطخلا

عزومل رشنلا نم اهليجست عاغلإ دعب لقتسملا رشنلا يف ةيوناثلا ةدقعلا نم دكأت 1.

> ةرادإل ىلإ لقتناو (https://<FQDN/IP) ةيوسرلا مدختسملا ةهجاو ربع ةدقعلا ضرعتسا
رشنلا > ماظنلا

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

Deployment Nodes

Deployment: Deployment, PAN Failover

Selected 0 Total 1

Hostname	Personas	Role(s)	Services	Node Status
ise-span	Administration, Monitoring, Policy Service	STANDALONE	SESSION_PROFILER	✓

للقستعمل رشن ال يلع (ISE-SPAN)

عاشن+ رقنا > ماطننل تاداهش > تاداهشل قراد > تاداهشل > ماطننل > قرادل ال ال لقتنا 2. ايتاذ عقوقم ةداهش

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	Admin, Portal, EAP Authentication, RADIUS DTLS	Default Portal Certificate Group	ise-span.kdiab2.local	ise-span.kdiab2.local	Wed, 22 Jan 2025	Thu, 23 Jan 2025	Expired
CN=ise-span.kdiab2.local, OU=Certificate Services System Certificate@Certificate Services Endpoint Sub CA - ise-span#00007	pxGrid		ise-span.kdiab2.local	Certificate Services Endpoint Sub CA - ise-span	Wed, 22 Jan 2025	Wed, 23 Jan 2030	Active
CN=ise-span.kdiab2.local, OU=ISE Messaging Service, OU=Certificate Services Endpoint Sub CA - ise-span#00008	ISE Messaging Service		ise-span.kdiab2.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.kdiab2.local	SAML		SAML_ise-span.kdiab2.local	SAML_ise-span.kdiab2.local	Thu, 23 Jan 2025	Tue, 22 Jan 2030	Active

ايتاذ عقوقم ةديج لوؤسم ةداهش عاشن

ةداهشل تامولعم ةئبعتب مقو (ise-span) دح 3.

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

Generate Self Signed Certificate

* Select Node ise-span

Subject

Common Name (CN) SFQDN\$

Organizational Unit (OU) Tech

Organization (O) KQ

City (L)

State (ST)

Country (C)

Subject Alternative Name (SAN)

...

ةدقعلا ددح

ل.لوؤسملا مادختسا [✓] نم ققحت 4.

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)

ل.لوؤسملا مادختسا



تامدخل لي غشت ةداعإ إلى ISE ةدقع ىلع لوؤسملا رود ةداهش رييغت ي دؤي: ةظحالم

ل.اسرا قوف رقنا 5.

ل.ise-span (ise-span) ىلع ةديجلال لوؤسملا ةداهش نم ققحت 6.

ل.ise-span (ise-span) عيسوت > ماظنلا تاداهش > تاداهشلا ةرادإ > تاداهشلا > ماظنلا > ةرادإلا ىلإ لقتنا

(ise-span) ةديج لوؤسم ةداهش

عزومل رشنلل ةيوناثلل دقعل لچس 4. ةوطخل

(كلذ ىلإ امو PSN و MNT و Admin) لبق هيلع تناك امك راودألل رشنلل تايصخش دادعاب مق

> ةرادإلل ىلإ لقتنا (PPAN) ةيساسأل ةرادإلل ةدقعل (GUI) ةيموسرلل مدختسملا ةهجاو نم 1. ليجست قوف رقنا > رشنلل > ماظنلل

(PPAN) ةيساسأل ةرادإلل ةدقعل (GUI) ةيموسرلل مدختسملا ةهجاو

(رورمل ةملك/مدختسملا مسا) ةيوناثلل ةدقعل دامتعا تانايبو FQDN لخدأ 2.

ةدقعلل DNS ةطساوب ليلحتلل لبالقلا (FQDN) لمكلا ل لهؤمل لاجمل مسا لخدأ متي يتل ةدقعلل او (PPAN) ب صاخلا FQDN ل بجي. اهلجستب موقتس يتل ةلقتسملا ضعبلا اهضعب نم اهلجست

Identity Services Engine Administration / System

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*
ise-span.kdlab2.local

User Name*
admin

Password*

Next Cancel

فيونثال ةدقعل لوصو لاد

ةححصلا تامدخالو صاخشألا نيكم ت.

Identity Services Engine Administration / System

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

Deployment Nodes List > Configure Node

Register ISE Node - Step 2: Configure Node

General Settings

Hostname ise-span

FQDN ise-span.kdlab2.local

IP Address

Node Type Identity Services Engine (ISE)

Role SECONDARY

Administration

Monitoring

Role PRIMARY

Other Monitoring Node ise-ppan

Dedicated MnT

ةيونثال ةدقعل ليجست (ISE-SPAN)

رشنل ةلاح نم ققحت 5 ةوطخل

رشنل > ماطنل > ةرادإلا لىل لقتنا

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

Deployment Nodes

Selected 0 Total 2

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

رشنن الی اهت فاضا تم (ISE-SPAN)

اهحال صا و عا طخال فاشكتسا

ةلاحال الی ع ققلاع اهلیجست عاغل مت یئال ةیوناثال ةدقعال 1: ةلاحال مادختسا
(ISE-PSN1) ةعزومال

ةلاحال نم ققحتال

ةعزومال رشننال ةلاح دیکأت 1. ةوطخال

> ةرادال الی لقتنا (PPAN) ةیساسال ةرادال ةدقعل (GUI) ةیموسرل مدختسمال ةهجاو نم
لعلفالاب اهلیجست عاغل مت (ISE-PSN1) ةدقعال هذو نأ دیکأت کنکم ی. رشننال > ماظنل

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

Deployment Nodes

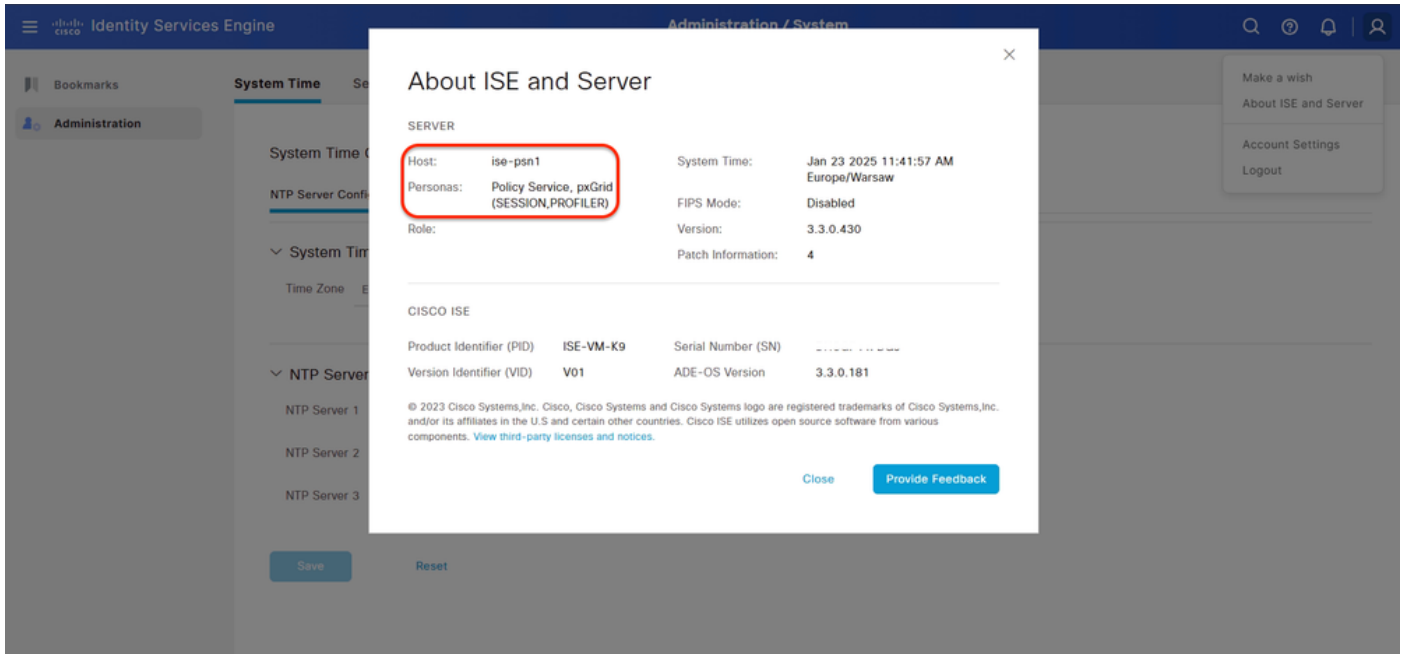
Selected 0 Total 2

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

رشننل دق (PPAN)

2. ةوطخل (ISE-PSN1) ةدق ةلاح ديكتات.

(<https://ise-psn1.kdlab.local>) ةيموسرل مدختسملا ةهجاو لالخنم ةيوناثل ةدق ةلاضرعتسا مداخل او ISE لوح > لوخدل ليحست حفتو

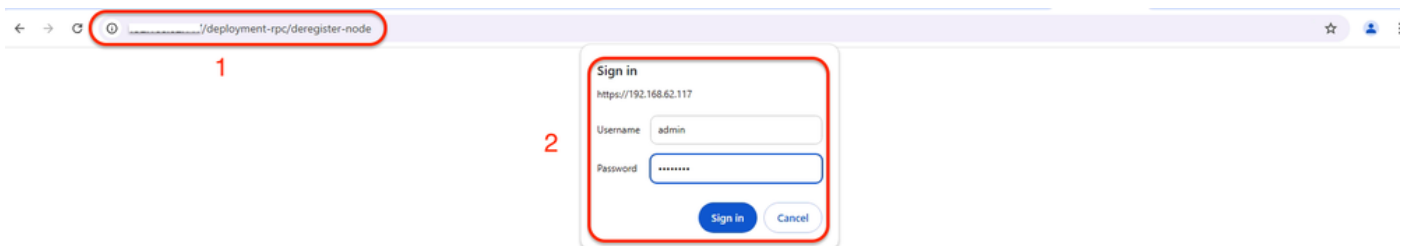


عزومل رشننل ةلاح يف (ISE-PSN1) ةيوناثل ةدق ةلاضرعتسا

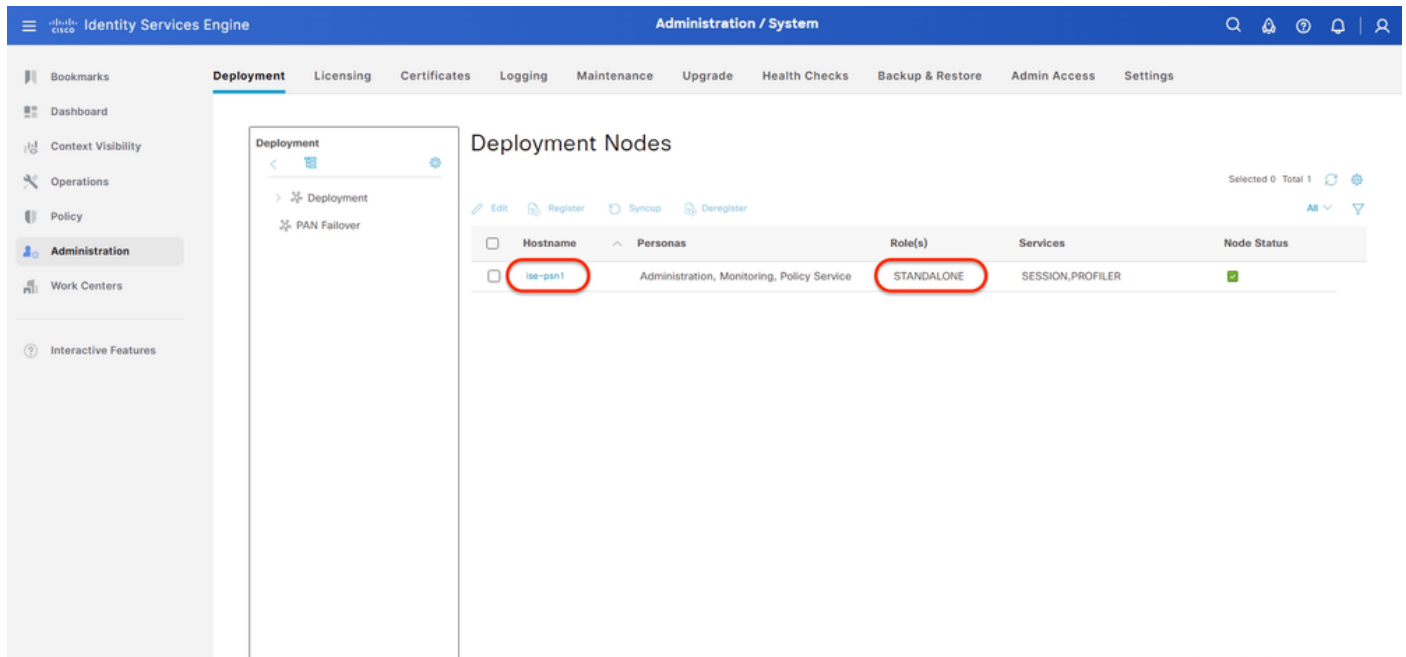
لحل

ايودي (ISE-PSN1) ةدق ليحست ءاغلإب مق 1. ةوطخل

(GUI) ةيموسرل مدختسملا ةهجاو ربع لقتسملا رشننل (ISE-PSN1) ةدق ءرفب مق (<https://<ise-psn1 IP>/deployment-rpc/deregister-node>).



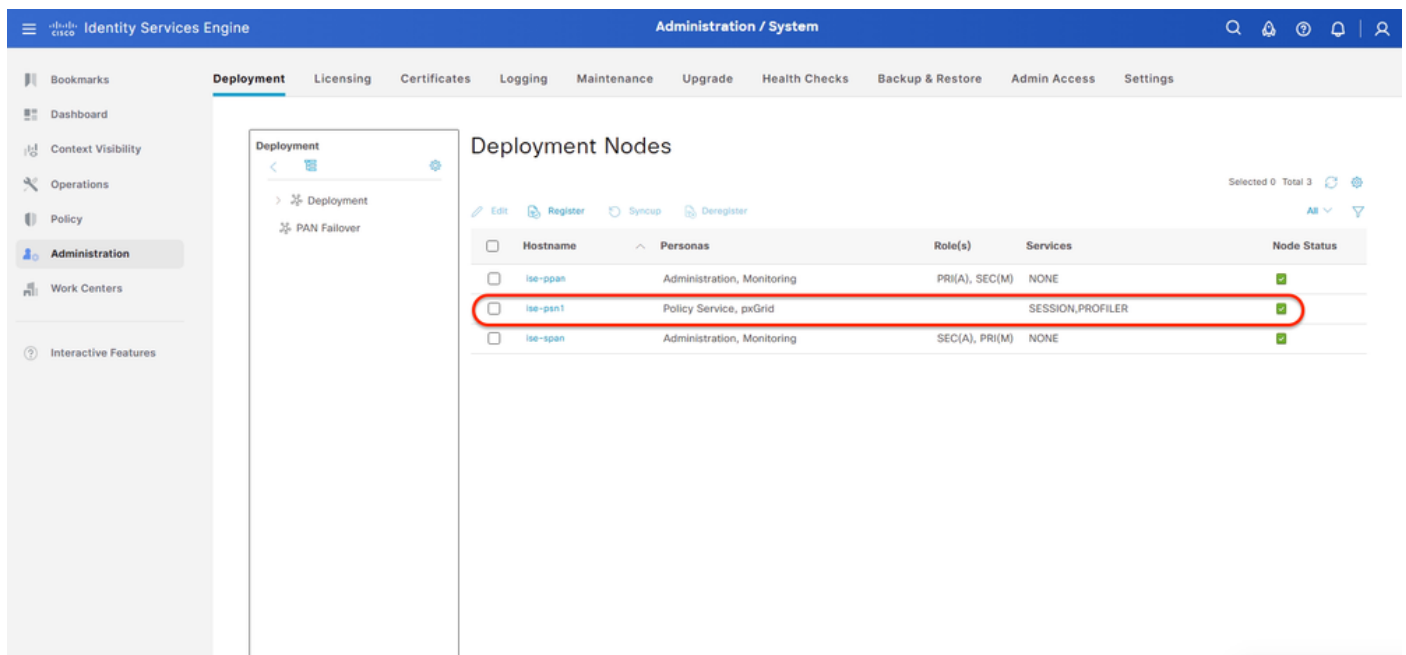
لقتسمال رشنال ي فال (ISE-PSN1) نم ققحت 2. ةوطخل



لقتسمال رشنال ي فال (ISE-PSN1)

اهسفن تاوطخل عبات ،ةلقتسمال ةلاجل ي فال ةدقعل ديكأت نم نكمت نأ درجمب 3. ةوطخل
ل:معل ةطخ مسق ي فال

1. (ISE-PSN1) ةدقعل لوؤسمال ةداهش ديجت .
2. عزومال رشنال ي فال (ise-psn1) ةدقعل ليجستب مق .
3. رشنال ةلاجل نم ققحت .



رشنال ل اهتفاضل تم (ISE-PSN1)

ريغ ةيوناثل ةدقعل (GUI) ةيوسرل مدختسمال ةهجاو: 2 ةلاجل مدختسأ

اهيلا لوصول رذعتي يتلا ةلجسملا (ISE-PSN2)

ةلاحلا نم ققحتلا

ةعزوملا رشنلا ةلاح ديكأت 1. ةوطخلا

> ةرادإلا ىلا لقتنا (PPAN) ةيساسألا ةرادإلا ةدقعل (GUI) ةيموسرلا مدختسملا ةهجاو نم لعلاب اهليجست ءاغلإ مت (ISE-PSN2) ةدقعل هذه نأ ديكأت كنكمي. رشنلا > ماظنلا

The screenshot shows the Identity Services Engine Administration / System interface. The left sidebar contains navigation links: Bookmarks, Dashboard, Context Visibility, Operations, Policy, Administration (selected), Work Centers, and Interactive Features. The main content area is titled 'Deployment Nodes' and shows a table with columns: Hostname, Personas, Role(s), Services, and Node Status. The table lists three nodes: ise-ppan, ise-psn1, and ise-span, all with a status of 'OK'.

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

رشنلا دقع (PPAN)

ةدقعل ةلاح (ISE-PSN2) نم دكأت 2. ةوطخلا

ضارعالا هذه ةباصإ كنكمي، تالاحلا ضعب يف لوؤسملا ةداهش ةيحالص ءاهتنا لارظن:

- اهيلا لوصول رذعتي يتلا (GUI) ةيموسرلا مدختسملا ةهجاو (ISE-PSN2)
- مدع وأ ةئيهت) ىلعل طعتم قيبطت ISE (show application status ise) CLI (ise-psn2) (ليغشتلا)
- لقتسملا رشنلا يف لعلاب ةدوجوملا ةدقعل (show tech) CLI (ISE-PSN2)

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

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

لقتسملا رشنلا يف (ISE-PSN2)

لحلا

(ISE-PSN2) ةدقعلل لوؤسملا ةداهش ديدجت 1. ةوطخل

1. CLI ربح (ISE-PSN2) ىل لوخدلا ليجست.
2. قيبطتلل نيوكت مسالخدأ.
3. (ايتاذ ةعقوم لوؤسم ةداهش عاشن [31]) 31 لخدأ.
4. $y/[n]: Y$ ةعباتملا ديرت له.
5. $y/[n]: Y$ ديلوتلا دعب ةدوجوملا ةداهشلا لادبتسلا ديرت له.

```

ise-psn2/admin#
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

```


ةمچرتل هذه ل و ح

ةيلآل ا تاي ن ق ت ل ا ن م ة و م ج م ا د خ ت س ا ب د ن ت س م ل ا ا ذ ه Cisco ت م چ ر ت م ل ا ع ل ا ا ح ن ا ع م ج ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل ا و ا م ك ة ق ي ق د ن و ك ت ن ل ة ي ل آ ة م چ ر ت ل ض ف ا ن ا ة ط ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب Cisco ي ل خ ت . ف ر ت ح م م چ ر ت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة م چ ر ت ل ا ع م ل ا ح ل ا و ه ي ل ا ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا م چ ر ت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا د ن ت س م ل ا