

يچراخ ال CA مادختساب WSA عم 3.3 ISE جم د

تايوت حمل

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عمدقم

لي صوت pxGrid لمعتسي (WSA) زاهج بيولا نم أي cisco عم 3.3 ISE جمدي نأ عارجا ققيثو اذه فصي

قيساس ال تابلطتم

تابلطتم

تاعوضومل هذه يف عفورعملاب Cisco ي صوت

- قيوهل تامدخ كرحم
- Cisco نم (WSA) نم آل بيولا زاهج
- (pxGrid) قيوساس ال عمظنأل لدابت ككش
- TLS/SSL تادهش
- Windows Server 2016 لي غشتال ماطن يلع PKI

عمدختسمم تانوكم

قيلاتل قيدامل تانوكمل او جماربل تارادصا ال دن تسمم اذه يف عدراول تامولعمل دن تست

- Identity Services Engine (ISE)، رادصلإا 3.3 Patch 4
- Cisco Secure Web Appliance، رادصلإا 15.2.0-116
- Windows Server 2016 عجرم مداخك (CA).

زهجأل عي مج تادب. ةصاخ ةيلم عم ةئيب يف ةدوجوملا ةزهجأل نم دنتسملا اذه يف ةدراولا تامولعمل عاشنإ مت كمهف نم دكأتف ،لغيشتل ديقي كتكبش تناك اذإ .(يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسُملا رمأ يأل لم تحملا ريثأتلل

نيوكتلا

Cisco Identity Services Engine 3.3

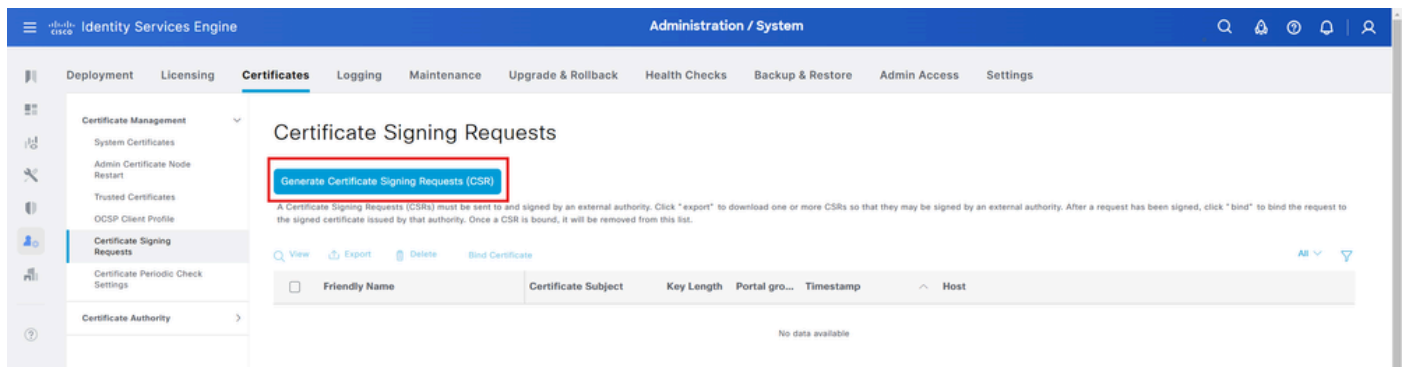
ESisesErver pxGrid ةداهش عاشنإ: 1 ةوطخلا

ISE Server pxGrid: CSR عاشنإ

Cisco. نم ٻي وهل تام دخ ڪرحمل (GUI) ٻي موسرل م دخ تسمل ٻه ڇا ويلي لوخدل لڄس. 1.

2. NavigatetoAdministration > ماظنل > تاداهشل > تاداهشلال ةرادا > تاداهشلال عي قوت تابلط

3. (CSR) ةداهش لاء عي قوت بلط عاشن اددح.



4. ل.قحل SelectpxGridin ب ةصاخلا (تاداهشلا) ةداهشلا مادختسا متي.

5. هل قداهش لا عاشن؟ متي يذل SelectI SE مالع؟

6. ضرورة رضا الدنعى راء لى صافات ة فاضل كن كمى.

7. ClickGenerate.

Usage

Certificate(s) will be used for

pxGrid

Allow Wildcard Certificates

☐

Node(s)

Generate CSR's for these Nodes:

Node

CSR Friendly Name



ise33

ise33#pxGrid

Subject

Common Name (CN)

\$FQDN\$



Organizational Unit (OU)

AAA



Organization (O)

Cisco



City (L)

Bangalore

State (ST)

KA

Country (C)

IN

Subject Alternative Name (SAN)



DNS Name



ise33.lab.local



IP Address



10.127.197.128



* Key type

RSA



* Key Length

4096



* Digest to Sign With

SHA-384



Certificate Policies

حالتهم المادخلة في مداخل القوائم وليعمل القوائم نم لك إلى مدخلة الم
نسخة الم

6. ISE_pxGrid.cer قيسنتب طفال او Base-64 قيسنتب اهؤاشن مت يةل اءاهش ل لزنن.

Microsoft Active Directory Certificate Services -- Avast-ISE

Certificate Issued

The certificate you requested was issued to you.

☐ DER encoded or ☒ Base 64 encoded



[Download certificate](#)

[Download certificate chain](#)

ISE ةقث نزم إلى CA رنء اءاهش ااريتس: 3 ةوطال

وأ تاءاهش الةلسلس وأ CA اءاهش ل لزنن دءو MS Active Directory Certificate ServiceHome ءءفص إلى ل لزنن. 1
CRL.

Microsoft Active Directory Certificate Services -- Avast-ISE

Home

Welcome

Use this Web site to request a certificate for your Web browser, e-mail client, or other program. By using a certificate, you can verify your identity to people you communicate with over the Web, sign and encrypt messages, and, depending upon the type of certificate you request, perform other security tasks.

You can also use this Web site to download a certificate authority (CA) certificate, certificate chain, or certificate revocation list (CRL), or to view the status of a pending request.

For more information about Active Directory Certificate Services, see [Active Directory Certificate Services Documentation](#).

Select a task:

[Request a certificate](#)

[View the status of a pending certificate request](#)

[Download a CA certificate, certificate chain, or CRL](#)

2. DownloadCA اءاهش قوف رقنا مء، SelectBase-64 قيسنت.

Download a CA Certificate, Certificate Chain, or CRL

To trust certificates issued from this certification authority, [install this CA certificate](#).

To download a CA certificate, certificate chain, or CRL, select the certificate and encoding method.

CA certificate:

Current [Avaste-ISE]

Encoding method:

☐ DER

☒ Base 64

[Install CA certificate](#)

[Download CA certificate](#)

[Download CA certificate chain](#)

[Download latest base CRL](#)

[Download latest delta CRL](#)

3. ca_root.cer ك ةداهشل ظافح.

4. Cisco نم ةي وهلا تامدخ كرحمل (GUI) ةي موسرلا مدختسمل ةهجاو ىل لوخدل لچس.

5. اهب قوٹوم تاداهش > تاداهشل ةراد > تاداهش > ماطن > ةراد دح.

Administration / System

Deployment Licensing **Certificates** Logging Maintenance Upgrade & Rollback 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 Settings
- Certificate Authority

Trusted Certificates For disaster recovery it is recommended to export and backup all your trusted certificates.

[Edit](#) [Import](#) [Export](#) [Delete](#) [View](#) [show internal CA certificates](#)

☐	Friendly Name	Trusted For	Serial Number	Issued To	Issued By	Valid From	Expiration Date	Status
☐	Amazon root CA	Infrastructure Cisco Services	06 6C 9F 9F 99 BF 8C 0A 39 E2 F0 78 8A 43 E5 96 36 ...	Amazon Root CA 1	Amazon Root CA 1	Tue, 26 May 2...	Sun, 17 Jan 2...	Enabled
☐	Baltimore CyberTrust Root	Cisco Services	02 00 00 B9	Baltimore CyberT...	Baltimore CyberT...	Sat, 13 May 2...	Tue, 13 May 2...	Enabled
☐	Cisco ECC Root CA 2099	Cisco Services	03	Cisco ECC Root CA	Cisco ECC Root CA	Thu, 4 Apr 20...	Mon, 7 Sep 2...	Enabled
☐	Cisco Licensing Root CA	Cisco Services	01	Cisco Licensing R...	Cisco Licensing R...	Fri, 31 May 20...	Mon, 31 May ...	Enabled

6. SelectImport > ImportRootCertificate ةداهشل فلم.

7. ISEcheck نمض Trust for authentication راي تخال ةناخ دي دحت نم دكأت.

Identity Services Engine Administration / System

Deployment Licensing **Certificates** Logging Maintenance Upgrade & Rollback 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 Settings Certificate Authority

Import a new Certificate into the Certificate Store

* Certificate File **Choose File | AWASTE_ROOT.cer**

Friendly Name

Trusted For:

☒ Trust for authentication within ISE

☐ Trust for client authentication and Syslog

☐ Trust for certificate based admin authentication

☐ Trust for authentication of Cisco Services

☐ Trust for Native IPsec certificate based authentication

☐ Validate Certificate Extensions

Description

Submit Cancel

8. Click Submit.

4: ةوطخل (CSR) ةءاهشل عىقوت بلطب ISE ةءاهش طبر .

1. Cisco نم ةىوهل تامءء كءءمل (GUI) ةىموسرل مءءءسمل ةهءاو ىل لوءءل لءس.

2. ءءاهشل عىقوت ءابلط ءءاهشل ءراء > ءءاهش > مءظن > ءراء ءء.

3. طبرل ةءاهش قوف رءنا مء ، قءاسل مسقل ءى ءؤاشن مء ءء CSR ءء.

Identity Services Engine Administration / System Evaluation Mode 83 Days

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 Settings Certificate Authority

Certificate Signing Requests

Generate Certificate Signing Requests (CSR)

A Certificate Signing Requests (CSRs) must be sent to and signed by an external authority. Click "export" to download one or more CSRs so that they may be signed by an external authority. After a request has been signed, click "bind" to bind the request to the signed certificate issued by that authority. Once a CSR is bound, it will be removed from this list.

View Export Delete **Bind Certificate**

Friendly Name	Certificate Subject	Key Length	Portal gro...	Timestamp	Host
ise33rpxGrid	CN=ise33.lab.local,OU=...	4096		Wed, 19 Mar 2025	ise33

4. اقءسم اهؤاشن مء ءءل ISE_pxGrid.cer ةءاهش رءء ، Bind CA ل ءعقومل ةءاهشل ءءومن ءى .

5. "لأسرل" قوف رءنا مء ، فولأم مساب ةءاهشل ةىمستب مق .

Identity Services Engine Administration / System

Deployment Licensing **Certificates** Logging Maintenance Upgrade & Rollback 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 Settings Certificate Authority

Bind CA Signed Certificate

* Certificate File **Choose File | ISE_pxgrid.cer.cer**

Friendly Name **ISE-pxGRID**

Validate Certificate Extensions

Usage

☒ pxGrid: Use certificate for the pxGrid Controller

Submit Cancel

7. ةءاهشل لءءبءسل بلطب مءظنل ClickYes.

8. مازنل تاداهش > تاداهش > مازن > قراد دح.

9. مئاقلا ف يجرالخا قءصملا عجرملا نم ةعقوم ءأشنملا pxGrid ةداهش ةيؤركنكمي.

Identity Services Engine Administration / System Evaluation Mode 83 Days

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
ise33								
☐	Default self-signed server certificate	Admin, EAP Authentication, Portal, RADIUS DTLS	Default Portal Certificate Group	ise33.lab.local	ise33.lab.local	Wed, 12 Mar 2025	Fri, 12 Mar 2027	Active
☐	Default self-signed saml server certificate - CN=SAML_ise33.lab.local	SAML		SAML_ise33.lab.local	SAML_ise33.lab.local	Wed, 12 Mar 2025	Mon, 11 Mar 2030	Active
☐	CN=ise33.lab.local, OU=ISE Messaging ServiceEndpoint Certificate Services Endpoint Sub CA - ise33400005	ISE Messaging Service		ise33.lab.local	Certificate Services Endpoint Sub CA - ise33	Wed, 12 Mar 2025	Wed, 12 Mar 2030	Active
☐	ISE-pxGRID	pxGrid		ise33.lab.local	Avaste-ISE	Wed, 19 Mar 2025	Fri, 19 Mar 2027	Active

ه ب قوئوملا WSA تاداهش نزم ىلا CA رذج ةداهش ةفاضل: ب مسقلا

ه ب قوئوملا WSA نزم ىلا CA رذج ةداهش ةفاضل:

1. بيولا نامأ زاهب ةصاخلا (WSA) ةيموسرلا مدختسملا هءاو ىلا لوخذلا لفس.

2. اه ب قوئوملا رذجلا تاداهش قراد > تاداهشلا قراد > ةكبشلا ىلا لقتنا.

Network

System

Interfaces

Transparent Redirection

Routes

DNS

High Availability

Internal SMTP Relay

Upstream Proxy

External DLP Servers

Web Traffic Tap

Certificate Management

Cloud Services Settings

نوكت نأ بجي وارهش 60 و 24 نېب حوارتي احيص ادع ةداهشلا ةدم نوكت نأ بجي
(طقف ةريبكلا فورحلا) ISO نيفرحب دلب زمرةلودلا.

10. ةداهشلا عي قوت بلط لي زنت قوف رقنا.

Web Appliance Client Certificate: For secure communication between the Web Appliance and the ISE pxGrid servers, provide a client certificate. This may need to be uploaded to the ISE pxGrid node(s) configured above.

☐ Use Uploaded Certificate and Key

Certificate: No file chosen

Key: No file chosen

☐ Key is Encrypted

No certificate has been uploaded.

☒ Use Generated Certificate and Key

Common name: wsiabgl.tac.com

Organization: AAA

Organizational Unit: Security

Country: IN

Expiration Date: Mar 19 19:56:43 2027 GMT

Basic Constraints: Not Critical

Download Certificate...

Signed Certificate:

To use a signed certificate, first download a certificate signing request using the link above. Submit the request to a certificate authority, and when you receive the signed certificate, upload it using the field below.

Certificate: No file chosen

11. لاسرا قوف رقنا.

12. تاريخيغتل قيبطتل تاريخيغتل ذيفنت قوف رقنا.

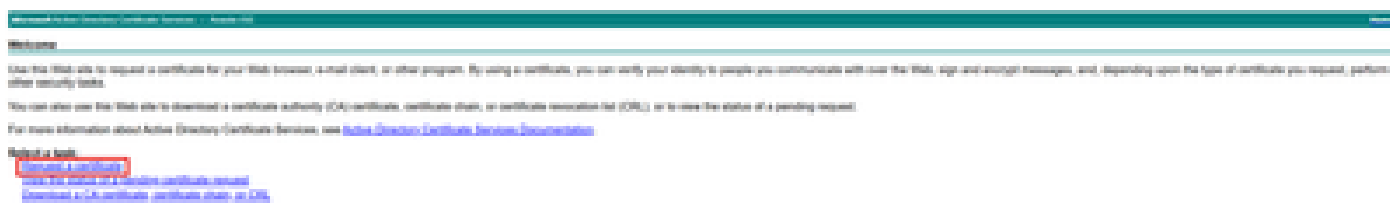


ةعقوم لاداهش ل ل م ح و ا ه م ا ز ت ل ل و ة ر و ك ذ م ل ا ت ا ر ي غ ت ل ل ا س ر ا ب م ق ت م ل ا ذ ا : ر ي ذ ح ت
ل م ا ك ت ل ا ن ا ث ا ت ا ل ك ش م ة ه ج ا و م ك ن ك م ي ف ، م ا ز ت ل ل ا و ة ر ش ا ب م

ي ج ر ا خ C A م ا د خ ت س ا ب W S A ل ي م ع ل C S R ع ي ق و ت : ب م س ق ل ا

م د ا خ ب ص ا خ ل D N S و ا IP و ه م د ا خ ل ن و ك ي ث ي ح ، <https://server/certsrv/> . M S A c t i v e D i r e c t o r y C e r t i f i c a t e S e r v i c e ل ل ق ت ن ا . 1 .

2 . C l i c k R e q u e s t ة د ا ه ش ب ل ط .



3 . م د ق ت م ة د ا ه ش ب ل ط ل ا س ر ا ر ت خ ا .

Request a Certificate

Select the certificate type:

User Certificate

Or, submit an [advanced certificate request](#).

4. ظروف حمل الطلب لقي ف قباسل مسقلا ف اهؤاشنل مت ل CSR تاوت حم خسن.

5. SelectpxGridas The Certificate Template، قوف رونا مٹ Submit.

Microsoft Active Directory Certificate Services — Avastc-IJSE

Submit a Certificate Request or Renewal Request

To submit a saved request to the CA, paste a base-64-encoded CMC or PKCS #10 certificate request or PKCS #7 renewal request generated by an external source (such as a Web server) in the Saved Request box.

Saved Request:

Base-64-encoded
certificate request
(CMC or
PKCS #10 or
PKCS #7).

```
MQZLX2wBmDgZUW/SXUyTtPMPANFvMkZWfCzSdGmagerL3YtVnBNKZCtNEB
VRBPB9EswHMQCFZjyJPMKCqpmouZgsMwC2l5ShlKHgP9psBZXDIvFCFR
qfzbekkl1lwRFIF18XH/tkeJAblXSgO4MosEvXCHIgiNPRsJawJe/A
EWi1h3cedSkM/BwFEjqLpxmKBs27ux7koTPFTTH8+oVkuPnATmU70
TluoQ3i7UL1pNzlsgHQh2oWqpWd7CXITiFoyLCmWSAM/gvp/yNfn5
66Wo97F/8djmpW028pUSf6iNs8HIFZrUD8MCwEAABPMIEOGScGS
MDswEwYDVROlBAwKcgYIKuYBBQUHAWIwJAYDVRORBBoW64ITc2ljc
c2hvLnltvbyCcEmp/JAIBBgkqhkiG9w0BAQFAAQAgEAnSAQ9D0we
ZfZCS+uaghtae8bzjzy6D2NDSeecddzhlyhsafAJOMQBQu9RNd+vG
poIkC3TIDyr8rsdizOXPUkZQASPAkkLL/PxM4ZlSh5SY8HRdyVKSw
Se3nzHA+3q0lXBdt8q9o2rl17Mdu543JC3HAGKN281CYjQY2oLdCX
y/Vl2H0d4PrvLL22GXZkuQCwJUDB/GoGrYtaufDd2K0mh/RaxMn29
XJCwaQcn4j2T4eUJDQz1Da368kv14AtX03IAyf9f9qIJXP8EB4
5q4ZQvw2d9IpKRyMlo1a3QygnCqFXiqZiqSKBl1jfrIXvZXDkD3wc3
IXHu5jr6v0zyjAeyGwukuaACRSAm1Mu3Bm08uTMqIUlQM7j4HKCOS
TFL75msq2paasT2GpdgXyby2aQB4hhJGrqYGQ5hx3aqcaXuCoPG
1rk6D8niU+RAa10y5dhSp7bCensXgmBC35xxGsr+1egGfagxgWIo
0M6isS9/yHfBaSP0s8NmX457GG98MN275VCakKeAl4fb+dytbSiX58
WySCDYzoTX97VvsNCXCc/m_lk=
-----END CERTIFICATE REQUEST-----
```

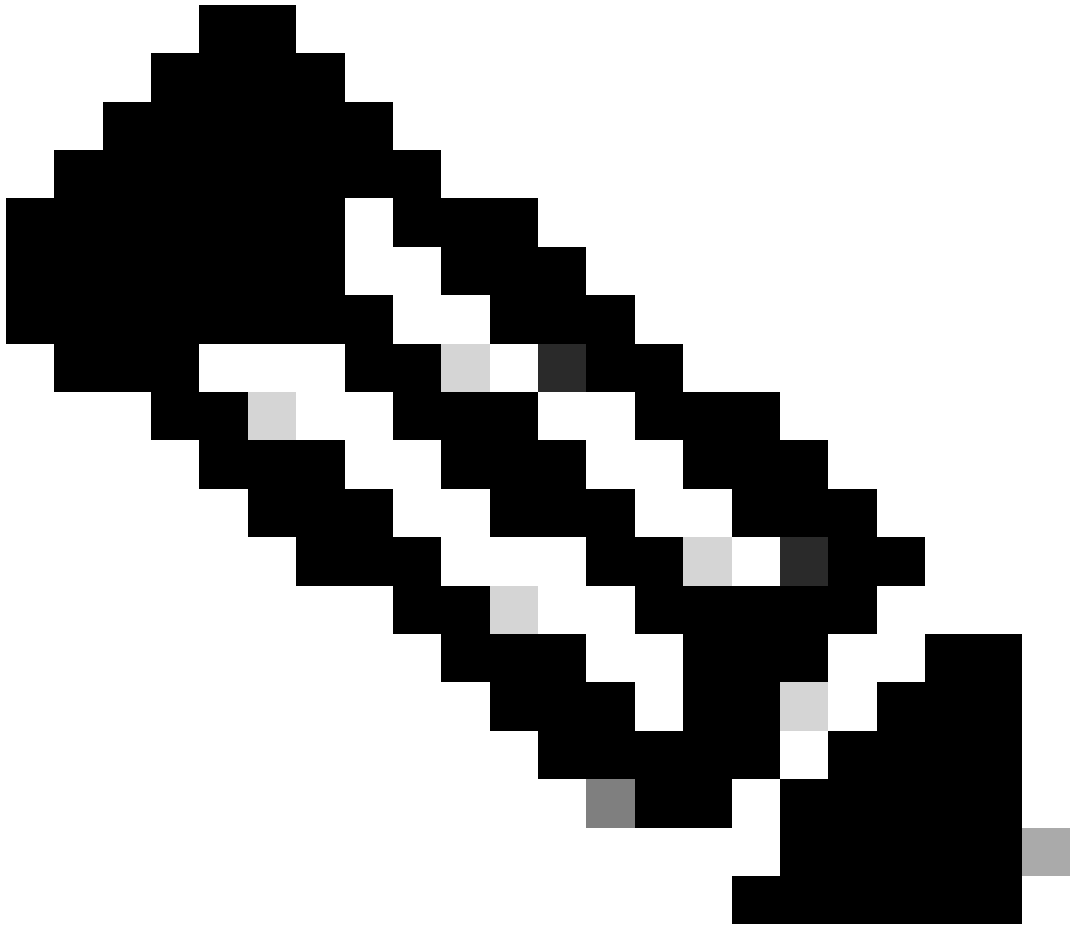
Certificate Template:

pxGrid

Additional Attributes:

Attributes:

Submit >



ليعمل القصاصم نم لك ىل مدختسم ال PXgrid عدهش ال بلاق جاتحي :عظالم :عظالم
نسحمل جاتفم ال مادختس لقح يف مداخل القصاصم و

WSA-Client.cer ك ظفحل او Base-64 قيسنن ب اهؤاشن مت يثل عدهش ال لي زنت.6

Certificate Issued

The certificate you requested was issued to you.

☐ DER encoded or ☒ Base 64 encoded



[Download certificate](#)

[Download certificate chain](#)

ل.م.ك.ت.ا.و (CSR) عدهشال عي قوت ب ل ط ب WSA ليمع عدهش ط بر ج مسق ل.

1. Navigateto. ب يول نام ا زاه ل (GUI) ة يموسرل م د خ ت س م ل ا ه ج ا و.

2. ف ي ر ع ت ل ا م د خ ك ر ح م > ف ي ر ع ت ل ا م د خ > ة ك ب ش ل ا ل ل ق ت ن ا.

3. ت ا د ا د ع ل ا ر ي ر ح ت ق و ف ر ق ن ا.

4. ب يول زاه ليمع عدهش مسق ل ل ل ق ت ن ا.

5. WSA-Client.CER ة ع ق و م ل ا عدهش ل ل ي م ح ت ب م ق ، ة ع ق و م ل ا ت ا د ا ه ش ل ا م س ق ت ح ت .



Use Generated Certificate and Key

[Generate New Certificate and Key](#)

Common name: wsabgl.tac.com

Organization: AAA

Organizational Unit: Security

Country: IN

Expiration Date: Mar 19 14:21:32 2027 GMT

Basic Constraints: Not Critical

[Download Certificate...](#) | [Download Certificate Signing Request...](#)

Signed Certificate:

To use a signed certificate, first download a certificate signing request using the link above. Submit the request to a certificate authority, and when you receive the signed certificate, upload it using the field below.

Certificate: WSA-Client.cer.cer

الاسرار قوف رونا.

تاريغي غتال قيب طتل تاريغي غتال ذيفنت قوف رونا.

تادادعإلا ريحت رونا.

يولي ام هنع جتنني نأ نكمي يذلاو، رابتخالإا ادب قوف روناو ISE دقعب لاصتالال رابتخال ري رمتلاب مق.

ISE دقعب لاصتالال رابتخال

ISE دقعب لاصتالال رابتخال

```
Checking DNS resolution of ISE pxGrid Node hostname(s) ...
Success: Resolved '10.127.197.128' address: 10.127.197.128
Validating WSA client certificate ...
Success: Certificate validation successful
Validating ISE pxGrid Node certificate(s) ...
Success: Certificate validation successful
Checking connection to ISE pxGrid Node(s) ...
Trying primary PxGrid server...
SXP not enabled.
ERS not enabled.
Preparing TLS connection...
Completed TLS handshake with PxGrid successfully.
Trying download user-session from (https://ise33.lab.local:8910)...
Failure: Failed to download user-sessions.
Trying download SGT from (https://ise33.lab.local:8910)...
Able to Download 17 SGTs.
Skipping all SXP related service requests as SXP is not configured.
Success: Connection to ISE pxGrid Node was successful.
Test completed successfully.
```

ةحصلال نم ققحتال

عالمعال > ليمعال ةرادإ > PXgrid تامدخ > ةرادإلا إلا لقتنا Cisco ISE،

statusEnabled عم pxgrid ليمعك WSA عاشنإ إلا اذه يدي.

Name	Description	Client Groups	Status
wsabgi.tac.com_iseif	ISED		Enabled

WebSocket > تاصيخششال > PXgrid تامدخ > ةرادإلا إلا لقتنا Cisco ISE، عومومال يفا كارتشالال نم ققحتال

> عمل:

Client Name	Connect To	Session Id	Certificate	Subscriptions
-ise-admin-ise33	ise33	ise33:0	CN=ise33.lab.local, OU=AAA, O=Cisco, L=Bangalore, ST=...	/topic/com.cisco.ise.pxgrid.admin.log
-ise-fanout-ise33	ise33	ise33:1	CN=ise33.lab.local, OU=AAA, O=Cisco, L=Bangalore, ST=...	/topic/wildcard
-ise-mnt-ise33	ise33	ise33:2	CN=ise33.lab.local, OU=AAA, O=Cisco, L=Bangalore, ST=...	/topic/com.cisco.ise.session.internal
-ise-fanout-ise33	ise33	ise33:3	CN=ise33.lab.local, OU=AAA, O=Cisco, L=Bangalore, ST=...	/topic/distributed
wsabgl.tac.com_ised	ise33	ise33:4	CN=wsabgl.tac.com, OU=Security, O=AAA, C=IN	/topic/com.cisco.ise.session
wsabgl.tac.com_ised	ise33	ise33:5	CN=wsabgl.tac.com, OU=Security, O=AAA, C=IN	/topic/com.cisco.ise.config.trustsec.security.group
-ise-internal_test	ise33	ise33:6	CN=ise33.lab.local, OU=AAA, O=Cisco, L=Bangalore, ST=...	/topic/com.cisco.ise.session

Cisco ISE Pxgrid-server.log TRACE level.reference.

<#root>

```
{ "timestamp":1742395398803, "level":"INFO", "type":"WS_SERVER_CONNECTED", "host":"ise33", "client":
```

wsabgl.lab.local_ised

```
", "server":"wss://ise33.lab.local:8910/pxgrid/ise/pubsub", "message":"WebSocket connected. session\u003d
TRACE [Thread-8][ ] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::- Drop. exclude=[id=3,cl
DEBUG [Thread-8][ ] cisco.cpm.pxgridwebapp.config.MyX509Filter -:::- Authenticating null
DEBUG [Thread-8][ ] cisco.cpm.pxgridwebapp.config.MyX509Filter -:::- Certs up to date. user=~ise-pu
DEBUG [Thread-8][ ] cisco.cpm.pxgridwebapp.config.MyX509Filter -:::- preAuthenticatedPrincipal = ~i
DEBUG [Thread-8][ ] cisco.cpm.pxgridwebapp.config.MyX509Filter -:::- X.509 client authentication ce
DEBUG [Thread-8][ ] cisco.cpm.pxgridwebapp.config.MyX509Filter -:::- Authentication
```

success

```
: PreAuthenticatedAuthenticationToken [Principal=org.springframework.security.core.userdetails.User [Us
DEBUG [Thread-8][ ] cisco.cpm.pxgridwebapp.data.AuthzDaoImpl -:::- requestNodeName=wsabgl.lab.local
DEBUG [Thread-13][ ] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::- Adding subscription=[
INFO [Thread-13][ ] cpm.pxgridwebapp.ws.pubsub.StompPubsubEndpoint -:::- Pubsub subscribe. subscrip
TRACE [WsIseClientConnection-804][ ] cpm.pxgrid.ws.client.WsEndpoint -:::- Send. session=[id=34eae1
```

"wsabgl.lab.local_ised

```
", "server":"wss://ise33.lab.local:8910/pxgrid/ise/pubsub", "message":"Pubsub subscribe. subscription\u003d
TRACE [Thread-3][ ] cpm.pxgridwebapp.ws.pubsub.StompPubsubEndpoint -:::- Received frame=[command=SE
TRACE [Thread-3][ ] cpm.pxgridwebapp.ws.pubsub.StompPubsubEndpoint -:::- Authorized to send (cached
TRACE [Thread-3][ ] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::- Distribute from=[id=0,
TRACE [Thread-3][ ] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::- Distribute distributed
TRACE [Thread-3][ ] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::- Distribute distributed
TRACE [sub-sender-1][ ] cpm.pxgridwebapp.ws.pubsub.SubscriptionSender -:::- Send. subscription=[id=
TRACE [sub-sender-0][ ] cpm.pxgridwebapp.ws.pubsub.SubscriptionSender -:::- Send. subscription=[id=
DEBUG [Grizzly(1)][ ] cpm.pxgrid.ws.client.WsSubscriber -:::- onStompMessage session=[id=34eae17d-5
DEBUG [Grizzly(1)][ ] cpm.pxgrid.ws.client.WsSubscriber -:::- onStompMessage session=[id=4b4d7de4-b
TRACE [Grizzly(1)][ ] cpm.pxgrid.ws.client.WsEndpoint -:::- Send. session=[id=dd1d138d-a640-4f4f-bd
TRACE [Grizzly(1)][ ] cpm.pxgridwebapp.ws.distributed.FanoutDistributor -:::- DownstreamHandler sen
TRACE [Thread-10][ ] cpm.pxgridwebapp.ws.pubsub.StompPubsubEndpoint -:::- Received frame=[command=S
```

TRACE [Thread-10][[]] cpm.pxgridwebapp.ws.pubsub.StompPubsubEndpoint -:::-- Authorized to send (cached

اهحالصإو ءاطخأل فاشككسا

ةلكشملا

ISE مداخل لاصتاللة لهم تهتنا :لشف .أطخال عم ISE لاصتا رابتخا لشف WSA ىلع ،ةفورعم ريغ CA ةلكشم PxGrid.

Test Communication with ISE Server

Start Test

Validating ISE Portal certificate ...

Success: Certificate validation successful

Checking connection to ISE PxGrid server...

Failure: Connection to ISE PxGrid server timed out

Test interrupted: Fatal error occurred, see details above.

Cisco ISE Pxgrid-server.log TRACE level.reference.

<#root>

ERROR

[Thread-8][[]] cisco.cpm.pxgrid.cert.LoggingTrustManagerWrapper -:::-- checkClientTrusted exception.
unable to find valid certification path to requested target principle=CN=wsabgl.lab.local, OU=Security,

TRACE [WsIseClientConnection-804][[]] cpm.pxgrid.ws.client.WsEndpoint -:::-- Send. session=[id=34eae1
TRACE [Thread-9][[]] cpm.pxgridwebapp.ws.pubsub.StompPubsubEndpoint -:::-- Received frame=[command=SE
TRACE [Thread-9][[]] cpm.pxgridwebapp.ws.pubsub.StompPubsubEndpoint -:::-- Authorized to send (cached
TRACE [Thread-9][[]] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::-- Distribute from=[id=0,
unable to find valid certification path to requested target

principle\u003dCN\u003dwsabgl.lab.local, OU\u003dSecurity, O\u003dAAA, C\u003dIN"}
TRACE [Thread-9][[]] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::-- Distribute distributed
TRACE [Thread-9][[]] cpm.pxgridwebapp.ws.pubsub.SubscriptionDistributor -:::-- Distribute distributed
TRACE [sub-sender-1][[]] cpm.pxgridwebapp.ws.pubsub.SubscriptionSender -:::-- Send. subscription=[id=
DEBUG [Grizzly(2)][[]] cpm.pxgrid.ws.client.WsSubscriber -:::-- onStompMessage session=[id=4b4d7de4-b
TRACE [Grizzly(2)][[]] cpm.pxgrid.ws.client.WsEndpoint -:::-- Send. session=[id=dd1d138d-a640-4f4f-bd

مزال طاقتل تايلمع عم لشفال ببس ةطخالم نكمي

Source	Destination	Protocol	Length	Info
10.76.105.168	10.127.197.128	TCP	74	42883 → 8910 [SYN] Seq=0 Win=65535 Len=0 MSS=1254 WS=64 SACK_PERM TSval=984988989 TSecr=0
10.127.197.128	10.76.105.168	TCP	74	8910 → 42883 [SYN, ACK] Seq=0 Ack=1 Win=28960 Len=0 MSS=1460 SACK_PERM TSval=1459800712 TSecr=984988989 WS=128
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [ACK] Seq=1 Ack=1 Win=66496 Len=0 TSval=984988999 TSecr=1459800712
10.76.105.168	10.127.197.128	TLSv1.2	583	Client Hello (SNI=10.127.197.128)
10.127.197.128	10.76.105.168	TCP	66	8910 → 42883 [ACK] Seq=1 Ack=518 Win=30080 Len=0 TSval=1459800715 TSecr=984988999
10.127.197.128	10.76.105.168	TLSv1.2	4818	Server Hello, Certificate, Server Key Exchange, Certificate Request, Server Hello Done
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [ACK] Seq=518 Ack=1243 Win=65280 Len=0 TSval=984989019 TSecr=1459800739
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [ACK] Seq=518 Ack=2485 Win=65280 Len=0 TSval=984989019 TSecr=1459800739
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [ACK] Seq=518 Ack=3727 Win=64064 Len=0 TSval=984989019 TSecr=1459800739
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [ACK] Seq=518 Ack=4753 Win=65472 Len=0 TSval=984989019 TSecr=1459800739
10.76.105.168	10.127.197.128	TLSv1.2	1526	Certificate, Client Key Exchange, Certificate Verify, Change Cipher Spec, Encrypted Handshake Message
10.127.197.128	10.76.105.168	TCP	66	8910 → 42883 [ACK] Seq=4753 Ack=1978 Win=33024 Len=0 TSval=1459800761 TSecr=984989039
10.127.197.128	10.76.105.168	TLSv1.2	73	Alert (Level: Fatal, Description: Certificate Unknown)
10.127.197.128	10.76.105.168	TCP	66	8910 → 42883 [FIN, ACK] Seq=4760 Ack=1978 Win=33024 Len=0 TSval=1459800769 TSecr=984989039
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [ACK] Seq=1978 Ack=4760 Win=66496 Len=0 TSval=984989049 TSecr=1459800769
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [ACK] Seq=1978 Ack=4761 Win=66496 Len=0 TSval=984989049 TSecr=1459800769
10.76.105.168	10.127.197.128	TCP	66	42883 → 8910 [FIN, ACK] Seq=1978 Ack=4761 Win=66496 Len=0 TSval=984989049 TSecr=1459800769
10.127.197.128	10.76.105.168	TCP	66	8910 → 42883 [ACK] Seq=4761 Ack=1979 Win=33024 Len=0 TSval=1459800770 TSecr=984989049

الحل

- تاريغيغتل ذيفنت متو WSA ىلع حاجنب ةمزلم Web Appliance ىلع ةعقوومل ةداهشل نأ نم دكأت .
- Cisco ISE ىلع هب قوئومل نزملم نم عزج يه WSA لييمع ةداهشل ردصملا وأ رنجلال CA ةداهش نأ نم دكأت .

ةفورعلم بويعلال

Cisco نم أطاخلال فرعم	فصولال
Cisco 23986 نم ءاطاخلال حيحصت فرعم	عاجراب Pxgrid getUserGroups ل API بلط موقي ةغراف ةباجتسا
Cisco 77321 نم ءاطاخلال حيحصت فرعم	نم AD تاعومجم نم ال دب WSA SIDs ىقلىتې ISE.

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 ج 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 و
ا م ك ة ق ي ق د ن و ك ت ن ل ة ي ل آ ة م ج 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 ج 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 ج 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 ج 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