# Configuración del reinicio controlado de aplicaciones en ISE 3.3

# Contenido

| Introducción  |
|---|
| Prerequisites   |
| Requirements  |
| Componentes Utilizados                                    |
| Antecedentes  |
| Configurar  |
| Paso 1. Crear una solicitud de firma de certificado (CSR) |
| Paso 2. Importe la CA raíz que firmó su CSR               |
| Paso 3. Importar el CSR firmado                           |
| Paso 4. Configuración del tiempo de reinicio              |
| Verificación  |
| Troubleshoot  |
| Información Relacionada                                   |

# Introducción

Este documento describe cómo configurar el reinicio de la aplicación controlada para el certificado de administrador en ISE 3.3.

# Prerequisites

### Requirements

Cisco recomienda que tenga conocimiento sobre estos temas:

- Nodos/personas de ISE
- Renovación/edición/creación de certificados de ISE

### **Componentes Utilizados**

La información que contiene este documento se basa en estas versiones de software y hardware.

- Versión 3.3 del software Identity Service Engine (ISE)
- implementación de 2 nodos

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si tiene una red en vivo,

asegúrese de entender el posible impacto de cualquier comando.

# Antecedentes

En ISE, cuando se cambia el certificado de administrador del nodo de administración principal (PAN), se vuelven a cargar todos los nodos de la implementación, primero el PAN y, a continuación, el resto de los nodos, lo que provoca una interrupción en todos los servicios.

Cuando el certificado de administrador se reemplaza en cualquier otro nodo, el único nodo que se reinicia es ese nodo único.

ISE 3.3 introduce una nueva función que le permite programar cuándo se recargan los nodos. Esto proporciona un mejor control sobre el reinicio de cada nodo y ayuda a evitar interrupciones en todos los servicios.

# Configurar

Hay diferentes opciones para cambiar el certificado de administrador del nodo PAN como:

- Cree una solicitud de firma de certificado (CSR) y asigne el rol de administrador.
- Importe el certificado, la clave privada y asigne el rol de administrador.
- Cree un certificado autofirmado y asigne el rol de administrador.

Este documento describe el método que utiliza una CSR.

Paso 1. Crear una solicitud de firma de certificado (CSR)

- 1. En ISE, vaya a Administration > System > Certificates > Certificate Signing Requests (Administración > Sistema > Certificados > Solicitudes de firma de certificados).
- 2. Haga clic en Generar solicitud de firma de certificado (CSR).
- 3. En Uso, seleccione Admin.
- 4. En Nodo(s), seleccione el nodo Administrador principal.
- 5. Complete la información del certificado.
- 6. Haga clic en Generar.
- 7. Exporte el archivo y fírmelo con una autoridad válida.

| Deployment   | Licensing  | Certificates   | Logging   | Maintena   | nce Upgrade   | Health Checks   |
|--|--|--|---|------------|---|---|
|  |  | ISE C  | ertificate Author   | ity Certif | icates:   |   |
| Certificate Man<br>System Certi<br>Admin Certifi<br>Trusted Certi<br>OCSP Client<br>Certificate Si<br>Certificate Pe | ficates<br>ficate Node Restart<br>ificates<br>Profile<br>igning Requests<br>eriodic Check Se | <ul> <li>IS</li> <li>IS</li> <li>Reference</li> <li>Usage</li> <li>Cer</li> <li>Allow</li> <li>Node</li> </ul> | E Root CA - This is no<br>E Intermediate CA - T<br>enew ISE OCSP Respo<br>tot CA/ISE Intermedia<br>e<br>tificate(s) will be us<br>w Wildcard Certificates | ed for     | equest, but an ability to g<br>ermediate CA Signing Req<br>eates - This is not a signin | enerate a brand new Root C<br>uest.<br>g request, but an ability to r |
| Certificate Aut  | Certificate Authority  |  | erate CSR's for these<br>e<br>asc-ise33-1037  | Nodes:     | CSR Friendly Name<br>asc-ise33-1037#A   | dmin  |
|  |  |  | • -ise-33-2   | 2          | -ise-33-2   | #Admin  |
|  |  | Subje<br>Con<br>\$F  | ct<br>nmon Name (CN)<br>CQDN\$  |            |   | <u>.</u>  |
|  |  | Org  | anizational Unit (OL  | )          |   | (i)   |
|  |  | Org<br>TA  | anization (O)<br>AC   |            |   | (i)   |

```
Creación de CSR
```

### Paso 2. Importe la CA raíz que firmó su CSR

- 1. En ISE, vaya a Administration > System > Certificates > Trusted Certificates.
- 2. Haga clic en Importar.
- 3. Haga clic en Choose File y seleccione el certificado de CA raíz.
- 4. Escriba un nombre descriptivo.
- 5. Active las casillas de verificación:
  - 1. Confianza para la autenticación dentro de ISE.
  - 2. Confianza para la autenticación de los servicios de Cisco.
- 6. Haga clic en Submit (Enviar).

| Deployment                                     | Licensing  | Certificates                 | Logging Ma                              | intenance                      | Upgrade  | Health Checks                       | Backup & Restore | Admin Access | Settings     |
|--|--|------------------------------|---|--------------------------------|--|-------------------------------------|------------------|--------------|--------------|
| Certificate Mar<br>System Cert<br>Admin Certif | nagement<br>tificates<br>ficate Node Restart       | <ul> <li>✓ Import</li> </ul> | a new Certificate ir<br>* Certificate F | nto the Certi<br>ile Choose Fi | ificate Store                                  | en                                  |                  |              |              |
| Trusted Cert                                   | tificates  |                              | Friendly Nar                            | me Root-CA                     |  |                                     |                  | 0            |              |
| OCSP Client<br>Certificate S<br>Certificate P  | t Profile<br>Signing Requests<br>Periodic Check Se |                              |   | Trusted For:<br>Trust fo       | authentication w ust for client authentication | vithin ISE<br>entication and Syslog |                  |              |              |
| Certificate Aut                                | thority  | >                            |   | Truet fo                       | Trust for cert                                 | ificate based admin authen          | ntication        |              |              |
|  |  |                              |   | Trust fo                       | or Native IPSec ce<br>e Certificate Exten      | rtificate based authenticati        | ion              |              |              |
|  |  |                              | Descripti                               | on                             |  |                                     |                  |              |              |
|  |  |                              |   |                                |  |                                     |                  |              |              |
|  |  |                              |   |                                |  |                                     |                  | Su           | abmit Cancel |

Importar certificado raíz

### Paso 3. Importar el CSR firmado

- 1. En ISE, vaya a Administration > System > Certificates > Certificate Signing Requests.
- 2. Seleccione el CSR y haga clic en Bind Certificate.
- 3. Haga clic en Elegir archivo y seleccione el certificado firmado.
- 4. Configure un nombre descriptivo.

| Deployment                        | Licensing                   | Certifi | cates                       | Logging                                | Maintena                             | ince                         | Upgrade                                | Health Checks                                   | Backu                                | р&           |
|-----------------------------------|-----------------------------|---------|-----------------------------|--|--------------------------------------|------------------------------|--|---|--------------------------------------|--------------|
| Certificate Mana<br>System Certif | agement<br>icates           | ~       | Certi                       | ficate S                               | Signing                              | Requ                         | uests                                  |   |                                      |              |
| Admin Certific                    | cate Node Restart<br>icates |         | Generate                    | Certificate Sig                        | ning Request                         | s (CSR)                      |  |   |                                      |              |
| OCSP Client F                     | Profile                     |         | A Certificat<br>signed by a | e Signing Reques<br>in external author | sts (CSRs) must<br>ity. After a requ | be sent to a<br>est has been | nd signed by an<br>1 signed, click " t | external authority. Cl<br>ind" to bind the requ | ick "export" to<br>uest to the signe | dow<br>ed ce |
| Certificate Sig                   | gning Requests              |         | bound, it w                 | ill be removed fro                     | om this list.                        |                              |  |   |                                      |              |
| Certificate Pe                    | riodic Check Se             | (       | Q View                      | ① Export                               | 🗍 Delete                             | Bind Certi                   | ficate                                 |   |                                      |              |
| Certificate Auth                  | ority                       | >       |                             | Friendly Name                          | ,                                    |                              | Certificat                             | e Subject                                       | Key Length                           | Po           |
|                                   |                             |         |                             | <b>- 🛋 </b> – ise-3                    | 33-2#Admin                           |                              | CN====                                 | ∎-ise-33-2.a                                    | 4096                                 |              |
|                                   |                             |         |                             |  |                                      |                              |  |   |                                      |              |

Certificado de enlace

| Deployment L   | icensing   | Certificates                      | Logging   | Maintenance             | Upgrade           | Health C       | hecks Backup      | & Restore A    | dmin Access    |
|--|--|-----------------------------------|---|-------------------------|-------------------|----------------|-------------------|----------------|----------------|
| Certificate Managen<br>System Certificate<br>Admin Certificate<br>Trusted Certificate<br>OCSP Client Profil<br>Certificate Signing | nent<br>Is<br>Node Restart<br>Is<br>Ie<br>D Requests | V Bind CA<br>* C<br>Frie<br>Valie | Signed Certif<br>ertificate File<br>endly Name<br>date Certificate Exte | Choose<br>Admin-Ce      | File signed       | d.cer          |                   |                |                |
| Certificate Periodi  | c Check Se   |                                   | Usa   | ige                     |                   |                |                   |                |                |
| Certificate Authority  | r  | > Adr                             | min: Use certificate  | to authenticate the ISI | E Admin Portal ar | nd DataConnect |                   |                |                |
|  |  | Dep                               | loyment Node  | S                       |                   |                |                   |                |                |
|  |  | Set F                             | Restart Time  |                         |                   |                |                   |                |                |
|  |  |                                   | Hostname  | Personas                |                   | Role(s)        | Services          | Restart Time   | Restart Status |
|  |  |                                   | asc-ise33-1   | 037 Administra          | ation, Monit      | SECONDARY      | SESSION, PROFILER | Not Configured |                |
|  |  |                                   | -ise  | -33-2 Administra        | ation, Monit      | PRIMARY        | SESSION, PROFILER | Not Configured |                |

Certificado de enlace

### Paso 4. Configuración del tiempo de reinicio

- 1. Ahora puede ver una nueva sección. Aquí puede configurar el proceso de reinicio.
- 2. Puede configurar un tiempo por nodo o seleccionar ambos nodos y aplicar la misma configuración.
- 3. Elija un nodo y haga clic en Set Restart Time.
- 4. Elija la fecha, la hora y haga clic en Guardar.
- 5. Verifique la hora y, si todo es correcto, haga clic en Submit.

# Set Restart Time

### Scheduler

Restart Now
 Restart Later

| Set Date   | Set Time |    |        |  |  |
|------------|----------|----|--------|--|--|
| 27/09/2023 | 11:00~   | PM | $\sim$ |  |  |

cancel

save

#### Establecer hora de reinicio

| Deployment                                       | Licensing                               | Cert | ificates  | Logging            | Maintenance            | Upgrade            | Health Cl     | necks Backup &    | Restore Admin Acces     |
|--|---|------|-----------|--------------------|------------------------|--------------------|---------------|-------------------|-------------------------|
| Certificate Man<br>System Certi<br>Admin Certifi | agement<br>ficates<br>cate Node Restart | ~    | Bind CA S | Signed Certin      | ficate                 | se File signed     | .cer          |                   |                         |
| Trusted Certi                                    | ficates                                 |      | Friend    | dly Name           | Admin-C                | ert                |               | 0                 |                         |
| OCSP Client                                      | Profile                                 |      | Valida    | te Certificate Ext | ensions 🗌 🚺            |                    |               |                   |                         |
| Certificate Si                                   | gning Requests                          |      |           |                    |                        |                    |               |                   |                         |
| Certificate Pe                                   | eriodic Check Se                        |      |           | Us                 | age                    |                    |               |                   |                         |
|  |   |      | 🗸 Admir   | n: Use certificate | to authenticate the IS | E Admin Portal and | d DataConnect |                   |                         |
| Certificate Aut                                  | ority                                   | >    |           |                    |                        |                    |               |                   |                         |
|  |   |      | Deplo     | yment Node         | es                     |                    |               |                   |                         |
|  |   |      | Set Re    | start Time         |                        |                    |               |                   |                         |
|  |   |      |           | Hostname           | Personas               | F                  | Role(s)       | Services          | Restart Time            |
|  |   |      |           | asc-ise33-1        | 1037 Administr         | ation, Monit       | SECONDARY     | SESSION, PROFILER | Wed Sep 27 2023 11:00PM |
|  |   |      |           | ini Minin-İse      | e-33-2 Administr       | ation, Monit       | PRIMARY       | SESSION, PROFILER | Wed Sep 27 2023 10:00PM |

Confirmar hora de reinicio

# Verificación

La nueva pestaña está disponible, navegue hasta Administration > System > Certificates > Admin Certificate Node Restart. Puede validar la configuración realizada y cambiarla si es necesario.

Para cambiarlo, haga clic en Set Restart Time o en Restart Now.

| Deployment   | Licensing  | Certificat | es Logging  | Maintenance   | Upgrade H  | ealth Checks Backu  | up & Restore Admin Acc   | cess Settings         |
|--|--|------------|---|---|--|---|--------------------------|-----------------------|
| Certificate Man<br>System Certi<br>Admin Certifi<br>Trusted Certi<br>OCSP Cilent<br>Certificate Si | icates<br>licate Node Rest<br>ficates<br>Profile<br>gning Requests | Add        | you add or edit an a<br>s. In this window, yo<br>filgured for Restart | ficate Nod<br>admin usage certific<br>ou can schedule and<br>Now , nodes will res | e Restart<br>ate on the primary PAN<br>monitor the status of t<br>tart in sequence | i, you must restart all the C<br>he node restarts. If more th | isco ISE<br>nan one node | All 🗸                 |
| Certificate Pe   | eriodic Check Se   |            | Hostname  | ∧ Personas  | Role(s)  | Services  | Restart Time             | Restart Status        |
| Certificate Auth   | hority   | , 0        | asc-ise33-1037  | Administration, N   | Ionitorin SECONDARY  | SESSION, PROFI  | ILER Wed Sep 27 2023     | 10:00PM Not Restarted |
|  |  |            | ===-ise-33-2  | Administration, N   | Ionitorin PRIMARY  | SESSION, PROFI  | ILER Wed Sep 27 2023     | 10:00PM Not Restarted |

Verificar estado de reinicio

Puede validar el estado del nodo durante el proceso. La siguiente imagen es un ejemplo cuando un nodo se recarga y el otro está en curso:

| Certificate Management $\checkmark$ System Certificates | Admi   | n Certific          | ate Node Re                  | start       |                     |                         |                     |  |  |  |
|---|--|---------------------|------------------------------|-------------|---------------------|-------------------------|---------------------|--|--|--|
| Admin Certificate Node Rest                             | After you a  | dd or odit an adm   | in usage certificate on the  | primary PAN | you must restart al | the Cisco ISE           |                     |  |  |  |
| Trusted Certificates                                    | nodes. In this window, you can schedule and monitor the status of the node restarts. If more than one node |                     |                              |             |                     |                         |                     |  |  |  |
| OCSP Client Profile                                     | is configure   | ed for Restart Nov  | w , nodes will restart in se | quence      |                     |                         | 1                   |  |  |  |
| Certificate Signing Requests                            | Set Resta  | art Time (i) Restar | t Now 🛈                      |             |                     |                         | All $\checkmark$    |  |  |  |
| Certificate Periodic Check Se                           | П  | ostname             | Personas                     | Role(s) ^   | Services            | Restart Time            | Restart Status      |  |  |  |
| Certificate Authority >                                 |  | -ise-33-2           | Administration, Monitorin    | PRIMARY     | SESSION, PROFIL     | Wed Sep 27 2023 10:00PM | Restart success     |  |  |  |
|   | as   | c-lse33-1037        | Administration, Monitorin    | SECONDARY   | SESSION, PROFIL     | Wed Sep 27 2023 10:00PM | Restart in progress |  |  |  |

PAN reiniciado

Verifique los cambios y vuelva a cargar con los informes.

Para comprobar los cambios de configuración, vaya a Operaciones > Informes > Informes > Auditoría > Cambiar auditoría de configuración.

| Export Summary                                     |        | Change (                                    | Con                   | figuratio                 | n Audit 💿 |           |                                      | Add                       | to My Reports Export     |
|--|--------|---|-----------------------|---------------------------|-----------|-----------|--------------------------------------|---------------------------|--------------------------|
| My Reports   | >      | From 2023-09-27 00<br>Reports exported in I | :00:00.0<br>ast 7 day | To 2023-09-27 16:2<br>s 0 | 24:49.0   |           |                                      |                           |                          |
| Reports  | $\sim$ |   |                       |                           |           |           |                                      |                           |                          |
| Audit  | $\sim$ |   |                       |                           |           |           |                                      |                           | Filter 🗸 📿               |
| Adaptive Network Control                           |        | Logged At                                   |                       | Administrator             | O Server  | Interface | Object Type                          | Object Name               | Event                    |
| Administrator Logins<br>Change Configuration Audit | 1      | Today V×                                    |                       | admin                     | × Server  |           | Object Type                          | Object Name               |                          |
| Cisco Support Diagnostics                          |        | 2023-09-27 15:43:                           | 00.0                  | admin                     | -ise-33-2 | 2 GUI     | Admin Certificate Controlled Restart | asc-ise33-1037.aaame      | Changed configuration    |
| Data Purging Audit                                 |        | 2023-09-27 15:26:                           | 57.9                  | admin                     | ise-33-2  | 2 GUI     | Admin Certificate Controlled Restart | asc-ise33-1037.aaame      | Added configuration      |
| Endpoints Purge Activities                         |        | 2023-09-27 15:26:                           | 57.5                  | admin                     | -ise-33-  | 2 GUI     | CertificateBinding                   | BindCertificate           | Added configuration      |
| OpenAPI Operations                                 |        | 2023-09-27 14:38:                           | 01.6                  | admin                     | ise-33-2  | 2 GUI     | Certificate Signing Request          | -ise-33-2#Admin           | Certificate has been exp |
| Operations Audit                                   |        | 2023-09-27 14:37:                           | 58.8                  | admin                     | -ise-33-2 | 2 GUI     | CertificateSigningRequest            | CertificateSigningRequest | Added configuration      |

Informe de configuración

# Para verificar el reinicio, navegue hasta Operaciones > Informes > Auditoría > Auditoría de operaciones.

| Operations Audit<br>From 2023-09-27 00:00:00 To 2023-09-27 22:50:14.0<br>Reports exported in last 7 days 0 |           |     |                       |                     | Add to My Repo             |
|--|-----------|-----|-----------------------|---------------------|----------------------------|
| 2023-09-27 22:04:20.0  |           | CLI | Configuration-Changes | Added configuration | Filter                     |
| 2023-09-27 22:04:20.0  |           | CLI | Configuration-Changes | Added configuration |                            |
| 2023-09-27 22:00:16.16 system  | 127.0.0.1 | CLI | Process-Management    | ISE process stopped | Application server stopped |

Reiniciar informe

Registros de ejemplo de \*\*\*-ise-33-2, ise-psc.log:

### <#root>

Configuration applied:

2023-09-27 15:26:12,109 INFO [DefaultQuartzScheduler\_Worker-6][[]] admin.caservice.certmgmt.scheduler. Restart is Not configured , Hence skipping restart status check for asc-ise33-1037 2023-09-27 15:26:57,775 INFO [admin-http-pool6][[]] cpm.admin.infra.action.RestartAction -::admin:::adminCertRestartData received --{"items":[{"hostName":"asc-ise33-1037","restartTime":"2023-09-27:10:00 {"hostName":"\*\*\*-ise-33-2","restartTime":"2023-09-27:10:00PM"}]}

#### Restart starts:

2023-09-27 21:59:11,952 INFO [DefaultQuartzScheduler\_Worker-6][[]] admin.caservice.certmgmt.scheduler. Executing AdminCertControlledRestartStatusJob [AdminCertControlledRestart[id=4af7d9c4-31d9-48e0-83dc-19] noderestartconfig=2023-09-27:10:00PM,noderestartstatus=Not Restarted,details=Not Restarted,maxdate=Thu 0 AdminCertControlledRestart[id=38b811df-03b5-4a64-87b6-363290b6b4ce,hostname=asc-ise33-1037,noderestartcon noderestartstatus=Not Restarted,details=Not Restarted,maxdate=Thu 0ct 12 2023 14:43:01 GMT-0600 (hora e 2023-09-27 21:59:12,113 INFO [DefaultQuartzScheduler\_Worker-6][[]] admin.caservice.certmgmt.scheduler. Restart configured , proceeding to trackRestartStatus for \*\*\*-ise-33-2 2023-09-27 21:59:12,113 INFO [DefaultQuartzScheduler\_Worker-6][[]] admin.caservice.certmgmt.scheduler. Restart configured , proceeding to trackRestartStatus for asc-ise33-1037 2023-09-27 22:00:00,003 INFO [DefaultQuartzScheduler\_Worker-3][[]] admin.caservice.certmgmt.scheduler. Executing AdminCertControlledRestartSchedulerJob 2023-09-27 22:00:00,022 INFO [DefaultQuartzScheduler\_Worker-3][[]] admin.caservice.certmgmt.scheduler. Executing AdminCertControlledRestartSchedulerJob [AdminCertControlledRestart[id=4af7d9c4-31d9-48e0-83dc noderestartconfig=2023-09-27:10:00PM,noderestartstatus=Not Restarted,details=Not Restarted,maxdate=Thu AdminCertControlledRestart[id=38b811df-03b5-4a64-87b6-363290b6b4ce,hostname=asc-ise33-1037,noderestartc noderestartstatus=Not Restarted,details=Not Restarted,maxdate=Thu Oct 12 2023 14:43:01 GMT-0600 (hora e 2023-09-27 22:00:00,288 INFO [DefaultQuartzScheduler\_Worker-3][[]] admin.caservice.certmgmt.scheduler. Restart failed or not restarted yet , hence preparing restart for \*\*\*-ise-33-2 2023-09-27 22:00:00,288 INFO [DefaultQuartzScheduler\_Worker-3][[]] admin.caservice.certmgmt.scheduler. Configured Date is now , hence proceeding for restart , for \*\*\*-ise-33-2 023-09-27 22:00:00,288 INFO [DefaultQuartzScheduler\_Worker-3][[]] cpm.infrastructure.certmgmt.api.Admi updateRestartStatus updating restarted status 2023-09-27 22:00:00,288 INFO [DefaultQuartzScheduler\_Worker-3][[]] cpm.infrastructure.certmgmt.api.Adm Updating the data for node: \*\*\*-ise-33-2 2023-09-27 22:00:00,313 INFO [DefaultQuartzScheduler\_Worker-3][[]] admin.caservice.certmgmt.scheduler. Restart failed or not restarted yet , hence preparing restart for asc-ise33-1037 2023-09-27 22:00:00,313 INFO [DefaultQuartzScheduler\_Worker-3][[]] admin.caservice.certmgmt.scheduler. Configured Date is now , hence proceeding for restart , forasc-ise33-1037 2023-09-27 22:00:00,324 INFO [DefaultQuartzScheduler\_Worker-3][[]] admin.caservice.certmgmt.scheduler. restartNowList : \*\*\*-ise-33-2.aaamexrub.com,asc-ise33-1037.aaamexrub.com

Registros de ejemplo de \*\*\*-ise-33-2, restartTutil.log:

```
[main] Wed Sep 27 22:00:09 EST 2023:-----
[main] Wed Sep 27 22:00:09 EST 2023:RestartUtil: BEGIN - Restart called with args apponly:1377:***-ise-
[main] Wed Sep 27 22:00:09 EST 2023:-----
[main] Wed Sep 27 22:00:14 EST 2023:RestartUtil: Restarting Local node
[main] Wed Sep 27 22:00:14 EST 2023:[/usr/bin/sudo, /opt/CSCOcpm/bin/cpmcontrol.sh, restart_appserver_e
[main] Wed Sep 27 22:27:13 EST 2023:RestartUtil: Restarted local node and waiting for it to come up...
[main] Wed Sep 27 22:37:47 EST 2023:RestartUtil: Restart success for local node .
[main] Wed Sep 27 22:37:48 EST 2023:RestartUtil: Restarting node asc-ise33-1037.aaamexrub.com
[main] Wed Sep 27 22:37:54 EST 2023:RestartUtil: statusLine>>>HTTP/1.1 200
[main] Wed Sep 27 22:37:54 EST 2023:RestartUtil: Waiting for node asc-ise33-1037.aaamexrub.com to come
[main] Wed Sep 27 22:52:43 EST 2023:RestartUtil: Restart successful on node: asc-ise33-1037.aaamexrub.c
[main] Wed Sep 27 22:52:43 EST 2023:RestartUtil: cred file deleted
[main] Wed Sep 27 22:52:43 EST 2023:-----
[main] Wed Sep 27 22:52:43 EST 2023:RestartUtil:END- Restart called with args apponly:1377:***-ise-33-
[main] Wed Sep 27 22:52:43 EST 2023:-----
[main] Wed Sep 27 23:00:10 EST 2023: Usage RestartUtil local||remote apponly|full
```

Registros de ejemplo de asc-ise33-1037, restartTutil.log:

### Troubleshoot

Para comprobar la información sobre esta función, puede comprobar estos archivos:

- ise-psc.log
- restartTutil.log

Para verificarlos en tiempo real desde la línea de comandos, puede utilizar estos comandos:

```
show logging application restartutil.log tail show logging application ise-psc.log tail
```

### Información Relacionada

<u>Soporte técnico y descargas de Cisco</u>

### Acerca de esta traducción

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