



VISTAZO AL EVENTO

Comunidad de Cisco – evento Community Live

Introducción a Smart Licensing en switches Catalyst
29 de Septiembre 2020

con Luis Celis

Regístrese ahora: <http://bit.ly/CL-cat-licences>

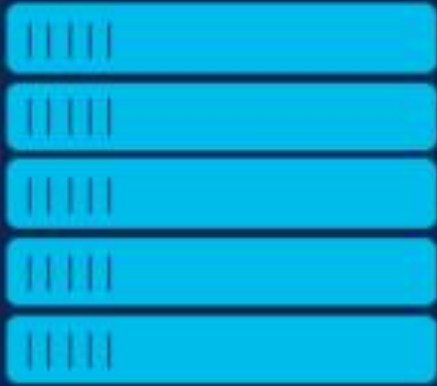


Agenda

Sección	Topics to be covered
Introducción	<ul style="list-style-type: none">• ¿Qué es smart licensing?• Beneficios• Niveles de Licencia.• Smart Account.
Tipos de Registro	<ul style="list-style-type: none">• Requerimientos del sistema.• Consumo de licencias (standalone vs stack)• Configuración mínima en el switch• Diferencia entre C3850 & C9k• Registro (Demo)
Problemas comunes	<ul style="list-style-type: none">• La licencia no se registra• Sin acceso al Smart Account• Licencias no disponibles en el smart account

¿Qué es Smart licensing?

Es un Sistema que consiste en un gestor de licencias para los dispositivos Cisco IOSXE. El CSS; autentica y almacena las licencias compradas.



Catalyst
Switch



Conexión a la
red



CSSM

Smart Account

Una Cisco Smart Account nos da acceso a la plataforma donde se almacenan las licencias. Se piden gestionar y activar las licencias a través de nuestra Smart account, así como también monitorear nuestros dispositivos y llevar un registro de las mismas.

The screenshot displays the Cisco Software Central interface for Smart Software Licensing. At the top, the navigation bar includes the Cisco logo, a search icon, and a language selector set to 'US EN'. The main header shows 'Cisco Software Central > Smart Software Licensing' and a user profile icon. Below the header, the page title is 'Smart Software Licensing' with links for 'Feedback', 'Support', and 'Help'. A secondary navigation bar contains links for 'Alerts', 'Inventory', 'Convert to Smart Licensing', 'Reports', 'Preferences', 'On-Prem Accounts', and 'Activity'. The main content area shows a 'Virtual Account' section with a redacted account name. To the right of the account name are filters for 'Major', 'Minor', and '7 Informational', along with a 'Hide Alerts' button. Below this are tabs for 'General', 'Licenses', 'Product Instances', and 'Event Log'. The 'General' tab is active, showing a 'Virtual Account' section with fields for 'Description' and 'Default Virtual Account', both redacted. Below this is a 'Product Instance Registration Tokens' section with a note: 'The registration tokens below can be used to register new product instances to this virtual account.' and a 'New Token...' button.

Verificar el registro

```
csr1kv# show license status
Tue Sep 29 07:34:36.023 PDT
Smart Licensing is ENABLED
  Initial Registration: SUCCEEDED on Mon Sep 28 2017 21:55:46 PDT
  Last Renewal Attempt: None
  Registration Expires: Sun Dec 27 2017 11:49:40 PDT
License Authorization:
  Status: AUTHORIZED on Mon Sep 28 2017 21:56:10 PDT
  Last Communication Attempt: SUCCEEDED on Mon Sep 28 2017 21:56:10 PDT
  Next Communication Attempt: Wed Oct 28 2017 21:56:10 PDT
  Communication Deadline: Sun Dec 27 2017 11:49:16 PDT
```

```
MPH-MDF2-9400-ED#show license summary
Smart Licensing is ENABLED
```

```
Registrations:
  Status: REGISTERED
  Smart Account:
  Virtual Account: CiscoUC
  Export-Controlled Functionality: ALLOWED
  Last Renewal Attempt: None
  Next Renewal Attempt: Oct 15 13:55:01 2019 EDT

License Authorization:
  Status: AUTHORIZED
  Last Communication Attempt: SUCCEEDED
  Next Communication Attempt: May 20 01:55:12 2019 EDT
```

```
License Usage:
  License                               Entitlement tag                Count Status
-----
  C9400 DNA Advantage                   (dna_advantage-C9400)         1 AUTHORIZED
  C9400 Network Advantage                (advantagek9-C9400)          2 AUTHORIZED
```

Estados posibles de la licencia

Status	Descripción
Evaluation	<ul style="list-style-type: none">• No registrado aún.• 90 días para su registro• Después del period solo cambia a Eval Expired
Registered	<ul style="list-style-type: none">• El swich se comunica con CSSM correctamente• El Switch se asocia correctamente al Smart Account correspondiente
Authorized	<ul style="list-style-type: none">• Esperado• Las licencias compradas, se encuentran en la virtual account y el switch las solicitó• El switch se comunica automáticamente cada 30 días
Authorization Expired	<ul style="list-style-type: none">• No hay comunicación entre switch y CSSM después del día 30.
Out of Compliance	<ul style="list-style-type: none">• Balance Negativo.

Introducir Código y Reservar (uno a la vez)

The image shows a screenshot of the Smart Software Licensing interface. At the top, there is a navigation bar with the title "Smart Software Licensing" and a breadcrumb trail: "Cisco Software Center > Smart Software Licensing". Below this, there are tabs for "Virtual Account" and "CORE TAC". A green arrow points to the "License Reservation" button in the "Available Actions" section.

Below the main interface, a "Smart License Reservation" modal window is open. It features a progress bar with four steps: "STEP 1: Enter Request Code", "STEP 2: Select Licenses", "STEP 3: Review and confirm", and "STEP 4: Authorization Code". The first step is currently active.

The modal window contains the following text:

You can reserve licenses for product instances that cannot connect to the Internet for security reasons. You will begin by generating a Reservation Request Code from the product instance. To learn how to generate this code, see the configuration guide for the product being licensed.

Once you have generated the code:

- 1) Enter the Reservation Request Code below
- 2) Select the licenses to be reserved
- 3) Generate a Reservation Authorization Code
- 4) Enter the Reservation Authorization Code on the product instance to activate the features

* Reservation Request Code

CD-2C3589-40X-FC1X2158A37Q-@SWIR@Pvi-IE

Buttons: "Review" and "Update" are visible below the input field. At the bottom right of the modal, there are "Cancel" and "Next" buttons.

On the left side of the dark blue background, there are two circular markers with the numbers "1" and "2".

Licencia no disponible en Smart Account

Verificar que se utilice la Virtual Account correcta.

[Cisco Software Central](#) > [Smart Software Licensing](#)

 TAC Cisco Systems, Inc.

Smart Software Licensing

[Feedback](#) [Support](#) [Help](#)

[Alerts](#) | [Inventory](#) | [Convert to Smart Licensing](#) | [Reports](#) | [Preferences](#) | [On-Prem Accounts](#) | [Activity](#)

Virtual Account: **CORE TAC**

76 Major | **101** Minor | **7** Informational | [Hide Alerts](#)

General

Licenses

Product Instances

Event Log

Encuentre información adicional de Smart Licensing Catalyst en la Comunidad o en Cisco.com

¿Qué es Smart licensing?

<https://www.cisco.com/c/en/us/td/docs/routers/asr920/configuration/guide/csa/b-csa-asr-920-book/csa-xe-16-5-1-asr-920-smart-licensing.pdf>

Introducción a los Catalyst 9000

<https://community.cisco.com/t5/videos-routing-y-switching/webcast-video-introducci%C3%B3n-a-los-cisco-catalyst-9000/ba-p/3413921>

Si aún no es un usuario registrado, de [Click Aquí](#) para registrarse y conviértase en un participante destacado de la comunidad.



Esperamos haya disfrutado del vistazo al próximo evento.

Recuerde ha sido sólo un adelanto. El 29 de Septiembre tendrá la oportunidad de ver toda la presentación.



Regístrese ahora: <http://bit.ly/CL-cat-licences>

Durante la sesión usted tendrá la oportunidad de aprender mucho más y además podrá realizar preguntas a las expertas, mismas que se contestarán en vivo.

¡Nos vemos en el evento!