

يڪڏنل صيخرتل ۽ Catalyst صيخرت ليجرت جهنل مادختساب

تايوتحمل

قمدقملا

قيساسالاب لطلت مللا

تاب لطلت مللا

قمدختس مللا تانوك مللا

ضغللا

جهنل مادختساب يڪڏنل صيخرتل ۽ (SL) يڪڏنل صيخرتل ليجرت

يڪڏنل صيخرتل ۽ قيرت ليلق، قلس مللا صيخرتل مادختساب زاهچلا ۽ رماوالا راهظا
جهنل مادختساب

قروصل مادختساب يڪڏنل صيخرتل مادختساب ديهمتلا دع زاهچلا ۽ رماوالا راهظا
جهنل قموعدملا

يڪڏنل صيخرتل ليجرت قروصل ۽ قساي سلا مادختساب يڪڏنل صيخرتل نم ضغللا

جهنل مادختساب يڪڏنل صيخرتل ۽ SLR ليجرت

مذقأ يڪڏنل صيخرتل قموعدم قروصل مادختساب زاهچلا ۽ رماوالا راهظا

يتلا قروصل مادختساب "يڪڏنل صيخرتل" مادختساب ديهمتلا دع زاهچلا ۽ رماوالا راهظا
جهنل اهم عدي

جهنل ۽ عانب قحچلا دن قحچلا خيرات ي مادختسابا ن ع ريراقبتا دادعا

ددم صيخرتل نجل قموعدملا قروصل ۽ قساي سلا مادختساب يڪڏنل صيخرتل نم ضغللا

مادختساب "يڪڏنل صيخرتل" ۽ ميريقتلا و ميريقتلا ليجرت ۽ خال ص تهنتا
جهنل

قيخال صلا يهنتم Eval/Eval عضو ي يڪڏنل صيخرتل رماوالا راهظا

ن غالبال متي مل نكلو قيرتلا دع جهنل مادختساب يڪڏنل صيخرتل رماوالا راهظا
دع مادختسابا

ريراقبتا مادختساب او CSLU ب لاصتالا دع جهنل مادختساب يڪڏنل صيخرتل رماوالا راهظا

و ميريقتلا صيخرتل ۽ قساي سلا قروصل مادختساب يڪڏنل صيخرتل نم ضغللا
قروصل معدت يتلا ميريقتلا

جهنل مادختساب يڪڏنل صيخرتل ۽ RTU صيخرت ليجرت

RTU صيخرت مادختساب زاهچلا ۽ رماوالا راهظا

قروصل مادختساب يڪڏنل صيخرتل ۽ RTU نم قيرتلا دع زاهچلا ۽ رماوالا راهظا
جهنل قموعدملا

صيخرت معدت يتلا قروصل ۽ قساي سلا قروصل مادختساب يڪڏنل صيخرتل نم ضغللا
RTU

يڪڏنل صيخرتل معدت قروصل ۽ قساي سلا قروصل مادختساب يڪڏنل صيخرتل نم ضغللا

جهنل قصل صختم جهن مادختساب يڪڏنل صيخرت

قصل تاذتاملولعم

قمدقملا

قديجلا قيلال ۽ قمدقأ صيخرت قيلال نم ليجرتلا دع ع قوت نكمي ام دننتس مل اذه فصي
تارادصل او Cisco IOS® XE 17.3.2 ي "قساي سلا مادختساب يڪڏنل صيخرتل"

ة. لبلبقتسملا

ةيساسألابلطتملا

ابلطتملا


دنتسملا اذهل ةصاخ ابلطتم دجوت ال

ةمدختسملا تانوكملا

ةيلاللة ةيداملا تانوكملا تارادصا لىل دننتسملا اذه يف ةدراولا تامولعمل دننتست

- Cisco Catalyst 9500
- Cisco Catalyst 9300

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجال نم دننتسملا اذه يف ةدراولا تامولعمل عاشن ا مت تناك اذ. (يضارتفا) حوسمم نيوكتب دننتسملا اذه يف ةمدختسملا ةزهجال عيمج تادب رمأ لىل لمحتملا ريثاتلل كمهف نم دكأتف، ليغشتل دي قكتكبش

 Catalyst 9000 Series Switches تالوحم لىل رمأوالاو ةيجهنملا قيبطت نكمي: ةظالم اذه يف اهليل راشملا تانويوكتل او رمأوالل بسانملا نيوكتل لىل عجرا. لىل دننتسملا

ضرغال

ةجاج كانه دعتم مل. يكذال صيخرتلا ةزيم ريغت مت، 17.4.1 و Cisco IOS XE 17.3.2 تارادصا عم صيخارت زجح أو Cisco نم (CSSM) ةيكذال جماربل ريدم مادختساب زاهجال صيخارت ليجست لىل اضا ميبقتل صيخارت ةلازا تم. ةلصتم ريغ ةزهجال تناك اذا CSSM نم (SLR) ةددم نم اهنويوكت مت يتل صيخارتلا عيمج مادختسا متي، "يكذال صيخرتلا جهن" مادختساب، كلذ دعب. (ثدجال أو Cisco IOS XE 17.3.2 ةروص تيبثت هيف متي يذال مويلا) رقص مويلا، CSSM لىل صيخرتلا مادختسا لوح ريراقت ميديقتب هل كرمأال قلعتي.

ةمظنالل ةبسنلاب، صيخارت يا ريغت متي مل، ةسايسلا مادختساب يكذال صيخرتلا يف تاططخملا/تانويوكتل لازت الو، صيخارتلا عيمج صرف متي ال Catalyst 9K ةيساسال لعفلاب اهزجح أو اهليلجست مت دق ةزهجال نا ضررتفنل. ةحاتم صيخارتلا ليجستل ةقباسلا ايئاقلت صيخارتلا ليوحت متي، ةلاحل هذه يف. ةقباس يكذ صيخرت رادصا ةروص مادختساب يكذ صيخرت لىل ةروصلل ةيقرت درجم بسمل نود جهنل صيخارت مادختساب يكذ صيخرت لىل قح صيخارت مدختست لازت ال ةزهجال تناك اذا. ةسايسلا اهمعدت يتل ةروصلل مادختساب، يكذال صيخرتلا زجح/ليجست لامتك مدع ببسب Eval و Eval Expired روص أو مادختسال Smart License Utility (CSLU) يكذال صيخرتلل Cisco ةادأ قيبطت مدختسي ديح طاطخم كانهف تادحو أو ليغشتل ديقيعانصلل رمقلا عم لبلبقتسملا رفوتل عقت) Windows 10 ل ةزهجال ني ب (CSLU) دعب نع لوصولل يف مكحتل ةدحو دجوت. (Cisco DNAC لثم لىل مكحتل ب ةدحاو لاصتا ةطقن ريفوتو ةزهجال عيمجل مادختسال تانايب عيمجتب مويو. CSSM و تنرتنال ربع أو لاصتا نود اما CSSM

ي كذلا صيخرتلا ىلإ (SL) ي كذلا صيخرتلا ليحست ليحرت جهنلا مادختساب

مت (17.3.1 ىتح Cat9K تالوحم عيچمجل 16.9.1 نم ةيادب) ةقباسلا ي كذلا صيخرتلا روص عم
ليصوت بلطتي اذهو. ةباحسلا ي CSSM ب لاصتال ليضارتفا لكشب CallHome نيكممت
وأ ةرادإلا ذفنم لالخ نم CSSM ب StackWise Virtual (SVL) وأ سدكملا وأ يداحألا لوحملا) زاوجل
ةيماألا ةحوللا تالوصو/طابترا ذفنم.

رمأ" وأ "ي كذلا صيخرتلا لقن بلط" مادختساب، لعفلا ب اهلحست مت دق ةزهجألا تناك اذا
جهنلا مادختساب "ي كذلا صيخرتلا" ىلإ ليوحتلا نإف، "ي كذلا ي كذلا صيخرتلا لقن
مادختساب ي كذلا صيخرتلا معدت ةروص ىلإ زاوجل جم انرب ةيقرت دنع. سمل نود نم نوكي
امدنع. ةقباسلا تارادصإلا عم قفاوتلا معدل نيوكتلا ي ريغت ي أارجا مزلي ال، جهنلا
ةصاخلا ةم وعودملا ةروصل مادختساب ي كذلا صيخرتلا" مادختساب زاوجل ديهمت متي
جت نمل ليثم صيخارت ليحستل اقبس م مدختسمل زي ممل زمرلا ليوحت متي، "ةساي سلاب
يه امك صيخارتلا عيچم ضرع متي. CSSM و زاوجل ني ب لاصتالاب حامسلل ةقت زمريلا (PI)
باسحلا" ي فصخم جهن ي رفوت ةلاح ي فو، ةدمتعمو ةلجسم نم ال دب مادختسالا ديقي
صيخرتلا مادختسإ نع غالبإلا متي، ةطقنلا هذه نم. اضيأ جهنلا اذه تيبتت متي، "ي كذلا
جهنلا ي ريراقتلا لودج ىلإ ادانتسا زاوجل

ةقباسلا PI ريغت متي، CSSM ىلع ةساي س مادختساب ي كذلا صيخرتلا ىلإ ليوحتلا دعب
PI ي ف تالوحملا نم لكل (يلسلسلتا مقرلاو PID) UDI ىلإ فيضملا مسا مادختسإ نم
طشنلا لوحملا ي ف ةمدختسمل صيخارتلا عيچم نع غالبإلا متي، HA ماظنل ةبسنلاب
PI رشؤم (ةرفوتم تناك اذا) ءاضعألا تالوحملاو ةيطايتحالا تالوحملا نمضتت امك. CSSM PI
لوحملا ريغت مت اذا. صيخرتلا مادختسإ ي نع غلبت ال اهنكلو CSSM لوكتورب ي ف
نمض نألا صيخرتلا مادختسإ ةظحالم متيسف، ريرقتلا ةرتف ءانثأ HA ماظن ي ف طشنلا
ديجل طشنلا PI.

ىلإ ةيقرتلا لبق ةلجسمل صيخارتلا مادختساب زاوجل ىلع رماوأل راهظإ جهنلا مادختساب ي كذلا صيخرتلا

صيخرتلا نم عزجك اهليوختو صيخارتلا ليحست متي هنأ طحال، show license رماوأل جارخا ي ف
ي كذلا.

```
<#root>
```

```
Switch#
```

```
show license summary
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status:
```

```
REGISTERED
```

Smart Account: BU Production Test
Virtual Account: Cat9K-FranklinDT

Export-Controlled Functionality: ALLOWED
Last Renewal Attempt: None
Next Renewal Attempt: Mar 21 11:08:58 2021 PST

License Authorization:
Status:

AUTHORIZED

Last Communication Attempt: SUCCEEDED
Next Communication Attempt: Oct 22 11:09:07 2020 PST

License Usage:
License Entitlement tag Count Status

C9500 Network Advantage (C9500 Network Advantage) 2 AUTHORIZED
C9500-DNA-16X-A (C9500-16X DNA Advantage) 2 AUTHORIZED

Switch#

show license usage

License Authorization:
Status:

AUTHORIZED

on Sep 22 11:09:07 2020 PST

C9500 Network Advantage (C9500 Network Advantage):
Description: C9500 Network Advantage
Count: 2
Version: 1.0
Status:

AUTHORIZED

Export status: NOT RESTRICTED

C9500-DNA-16X-A (C9500-16X DNA Advantage):
Description: C9500-DNA-16X-A
Count: 2
Version: 1.0
Status:

AUTHORIZED

Export status: NOT RESTRICTED

Switch#

show license status

Smart Licensing is ENABLED

Utility:

Status: DISABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Callhome

Registration:

Status: REGISTERED

Smart Account: BU Production Test

Virtual Account: Cat9K-FranklinDT

Export-Controlled Functionality: ALLOWED

Initial Registration: SUCCEEDED on Sep 22 11:08:58 2020 PST

Last Renewal Attempt: None

Next Renewal Attempt: Mar 21 11:08:57 2021 PST

Registration Expires: Sep 22 11:04:23 2021 PST

License Authorization:

Status:

AUTHORIZED

on Sep 22 11:09:07 2020 PST

Last Communication Attempt: SUCCEEDED on Sep 22 11:09:07 2020 PST

Next Communication Attempt: Oct 22 11:09:06 2020 PST

Communication Deadline: Dec 21 11:04:34 2020 PST

Export Authorization Key:

Features Authorized:

<none>

Miscellaneous:

Custom Id: <empty>

مادختساب يكدل صيخرتل مادختساب ديهمتلا دعب زاهجلا لىل ع رماوأل راهظإ
جهنب ةمومدملا ةروصلل

ةلجسمل نم ال دب نأل مادختسالا دي ق صيخارتل نأ ظحال، show license صيخرتل تاجرم في
حامس لل هب قووم زمرك ايئاقلت زي ممل ليجستلا زمرمادختسإ مت امك. اهب صخرملاو
زاهجلا لىل ع يضا رتفال Cisco جهن تيبتت متي، اضيا. زاهجلاو CSSM نيبل لاصتالاب

Switch#show license summary

License Usage:

License Entitlement tag Count Status

network-advantage (C9500 Network Advantage) 2 IN USE
dna-advantage (C9500-16X DNA Advantage) 2 IN USE

Switch#show license usage

License Authorization:

Status: Not Applicable

network-advantage (C9500 Network Advantage):

Description: network-advantage

Count: 2

Version: 1.0

Status: IN USE

Export status: NOT RESTRICTED

Feature Name: network-advantage

Feature Description: network-advantage

Enforcement type: NOT ENFORCED

License type: Perpetual

dna-advantage (C9500-16X DNA Advantage):

Description: C9500-16X DNA Advantage

Count: 2

Version: 1.0

Status: IN USE

Export status: NOT RESTRICTED

Feature Name: dna-advantage

Feature Description: C9500-16X DNA Advantage

Enforcement type: NOT ENFORCED

License type: Subscription

Switch#show license status

Utility:

Status: DISABLED

Smart Licensing Using Policy:

Status: ENABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Callhome

Policy:

Policy in use: Merged from multiple sources.

Reporting ACK required: yes (CISCO default)

Unenforced/Non-Export Perpetual Attributes:

First report requirement (days): 365 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 90 (CISCO default)

Unenforced/Non-Export Subscription Attributes:

First report requirement (days): 90 (CISCO default)

Reporting frequency (days): 90 (CISCO default)

Report on change (days): 90 (CISCO default)

Enforced (Perpetual/Subscription) License Attributes:*

First report requirement (days): 0 (CISCO default)

Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)
Export (Perpetual/Subscription) License Attributes:*
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)

Miscellaneous:


Custom Id: <empty>

Usage Reporting:**

Last ACK received: Nov 10 08:56:48 2020 PST
Next ACK deadline: Feb 08 08:56:48 2021 PST
Reporting push interval: 30 days
Next ACK push check: <none>
Next report push: Dec 10 08:55:29 2020 PST
Last report push: Nov 10 08:55:29 2020 PST
Last report file write: <none>

Trust Code Installed:

Active: PID:C9500-16X,SN:FCW2233A5ZV
INSTALLED on Nov 10 08:54:48 2020 PST
Standby: PID:C9500-16X,SN:FCW2233A5ZY
INSTALLED on Nov 10 08:54:48 2020 PST

 ةصاخلا "ريدصتلا" و "رمألا صرف" ماسقأ قيبتت متي ال، رمألا جارخا يف: ةظحالم
تالوحملا صيخارت عيجم صرف مدعل ارظن C9K تالوحم يلع ةسايسلاب.

 مادختسال ريراقت مسق يف رطس لك لودجال فصوي: ةظحالم.

Field	Description
Usage Reporting:	Header for usage reporting (RUM reports) information.
Last ACK received:	Date and time of last ACK received, in the local time zone.
Next ACK deadline:	Date and time for next ACK. If the policy states that an ACK is not required then this field displays <i>none</i> . Note If an ACK is required and is not received by this deadline, a syslog is displayed.
Reporting Interval:	Reporting interval in days The value displayed here depends on what you configure in the license smart usage interval <i>interval_in_days</i> and the policy value. For more information, see the corresponding Syntax Default is 30 days
Next ACK push check:	Date and time when the product instance will submit the next polling request for an ACK. Date and time are in the local time zone. This applies only to product instance- initiated communication to CSSM or CSLU. If the reporting interval is zero, or if no ACK polling is pending, then this field displays <i>none</i> .
Next report push:	Date and time when the product instance will send the next RUM report. Date and time are in the local time zone. If the reporting interval is zero, or if there are no pending RUM reports, then this field displays <i>none</i> .
Last report push:	Date and time for when the product instance sent the last RUM report. Date and time are in the local time zone.
Last report file write:	Date and time for when the product instance last saved an offline RUM report. Date and time are in the local time zone.
Last report pull:	Date and time for when usage reporting information was retrieved using data models. Date and time are in the local time zone.

<#root>

Switch#

`show license udi`

UDI: PID:C9500-16X,SN:FCW2233A5ZV

HA UDI List:

Active:PID:C9500-16X,SN:FCW2233A5ZV

Standby:PID:C9500-16X,SN:FCW2233A5ZY

Product Instances لفسأ PI فيضم مسانم الدب ةي طاي تحال او ة طشن لالUDI نم لك ضرع متي، CSSM ي بويوت ةمالع Instances.

Cisco Software Central > Smart Software Licensing BU Production Test
Feedback Support Help

Alerts | Inventory | Convert to Smart Licensing | Reports | Preferences | On-Prem Accounts | Activity

Virtual Account: Cat9K-FranklinDT 3 Major | 95 Minor | 4 Informational | Hide Alerts

General | Licenses | **Product Instances** | Event Log

Authorize License-Enforced Features... Search by Name, Product Type

Name	Product Type	Last Contact	Alerts	Actions
UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZV;	C9500	2020-Nov-10 16:56:12		Actions
UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZY;	C9500	2020-Nov-10 16:55:18		Actions
UDI_PID:C9500-16X; UDI_SN:FCW2240U069;	C9500	2020-Nov-10 16:50:52		Actions
UDI_PID:C9410R; UDI_SN:FXS2232Q01Q;	C9400	2020-Nov-10 15:42:46		Actions
UDI_PID:C9407R; UDI_SN:FXS2119Q2U7;	C9400	2020-Nov-10 12:14:24		Actions

ضرع ل High Availability قوف رقنا. صيخرتلال مادختسا ضرع ل طشن لال ةي لمعال فرعم قوف رقنا HA System. في ةنم ضم لال جتنم لال افرعم عي مج.

Cisco Software Central > Smart Software Licensing BU Production Test
Feedback Support Help

Smart Software Licensing

UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZV;

Overview | High Availability | Event Log

Description
C9500

General

Name: UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZV;

Product: C9500

Host Identifier: -

MAC Address: -

PID: C9500-16X

Serial Number: FCW2233A5ZV

UUID: -

Virtual Account: Cat9K-FranklinDT

Registration Date: 2020-Nov-10 16:55:17

Last Contact: 2020-Nov-10 16:56:12

License Usage

License	Billing	Expires	Required
C9500 Network Advantage	Prepaid	-	2
C9500-DNA-16X-A	Prepaid	-	2

Showing all 2 Rows

Cisco Software Central > Smart Software Licensing BU Production Test
Feedback Support Help

Smart Software Licensing

UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZV;

Overview **High Availability** Event Log

Standbys

Below are the High Availability standbys configured on the product instance.

Name	Serial Number	PID	Role
-	FCW2233A5ZY	C9500-16X	STANDBY
-	FCW2233A5ZV	C9500-16X	ACTIVE

Showing all 2 Records

Actions ▾

UDI_PID:C9410R; UDI_SN:FXS2118Q1GL; C9400 2020-Nov-10 06:24:12 Actions ▾

تامول عمل ضررل، جت نم لاي شم بي وبتل ا عمال ع نمض، دادع تسالا ل وحم ل UDI قوف رقنا متي هنال ارظن صيخرت مادختسا ي ايطاي تحالا ل وحم ل ضرعي ال. يطايتحالا ل وحم لاب ة صاخلا طوق Active ل وحم ل نمض زاوجلل صيخرتلا مادختسا ل ضرع.

Cisco Software Central > Smart Software Licensing BU Production Test
Feedback Support Help

Smart Software Licensing

UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZY;

Overview High Availability Event Log

Description

C9500

General

Name: **UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZY;**

Product: C9500

Host Identifier: -

MAC Address: -

PID: C9500-16X

Serial Number: FCW2233A5ZY

UUID: -

Virtual Account: Cat9K-FranklinDT

Registration Date: 2020-Nov-10 16:55:18

Last Contact: 2020-Nov-10 16:55:18

License Usage

License	Billing	Expires	Required
No Records Found			

Showing all 0 Rows

تبثملا جهنلا ل اادانتسا صيخرتلا مادختسا نع غالبال رمتسي، لي وحتلا اذه شودج درجم بو.

لي جست ةروص ل اة سايسلا مادختسا اب ي كذلا صيخرتلا نم ضفخللا ي كذلا صيخرتلا

يكدل صيخرتل" معدت ال ةقباس ةروص ىل زاهجلا فينصت ضفخ بجي ،ام ببسل ناك اذا
ىلع ءانب .اضيا ضفخلل ةروصلل تيبتتو نيوكتلل رييغتت ب مقت الف ،"جهنل مادختساب
ىلع ةبولطم ليجستلا ةداعل نوكت نأ نكمي ،اهيل زاهجلا فينصت ضفخ مت يتلا ةروصلل
يكدل صيخرتل مهفت ال 17.4.1 و 17.3.2 ريوطتلل دهج لبقت اهراصل مت يتلا روصلل او .زاهجلا
نم .ضفخلل دعبل ليجستلا ةداعل مزلي هنإف ،يلللابو ،ةقتل و ةسايصلل زمر مادختساب
license smart register idtoken رمال مادختساب CSSM نم زيمملا زمرلا ىلع لوصحلل لهسلل

all

زاهجلا ىلع

نم ةفاضم ةيجمر ب تاميلعت ىلع 17.3.1 و ،ثدخال و 16.12.4 ،ثدخال و 16.9.6 روصلل يوتحت
صاخلل ضفخلل دنع زيمملا ليجستلا زمر ىل ىرخأ ةرم هلويوتتو نامضلل دوكت ىلع فرعتل لجأ
ةلوخملل او ةلجسملل ةلجالل في ايئاقلت صيخرتلل عضو متي .ةروصلل اب

جهنل مادختساب يكدل صيخرتل ىل SLR ليجرت

اذهلو .ةفلتخم بابسل ةيجراخلل ةدحو و CSSM ةدحو لىصوت في امئاد ءالمعلل بغيري ال
تالوخلل خامسلل " (SLR) لاصلتا نود ددحمل صيخرتل زج" ةزيم ةفاضل تمت ،ببسلل
ةفرعمل دننتملاب [صاخلل صيخرتل زج](#) مادختسل نكمي و كلذ ةلاقملل فصت .ققاوتلاب
17.3.1 رادصلل ىتح 16.9.1 رادصلل نم SLR رفوتت .هنع دي زملل

ةم و عدم ةروص مادختساب يكدل صيخرتل ىل ةددح صيخرتل تازوجج هب زاهج ةيقرتت متت ام دنع
نالل يريجيو .تقولل اذهل في رخأ ءيش يأ ثودح مزلي اللو ،ايئاقلت صيخرتل لىوتت متي ،جهنل
ققحال خيرات في ،كلذ عم و SLR عم اقباس اهب تنذأ دق اهنأ ىل ريشتو صيخرتل مادختسل
اذهل في اقحال حضورم وه امك صيخرتل مادختسل نع غالبال مزلي دق ،تبتثملل جهنل ريشي امك
م سقلل

مدقأ يكدل صيخرتل ب ةم و عدم ةروص مادختساب زاهجلا ىلع رمالل راهظا

<#root>

Switch#

show license summary

```
Smart Licensing is ENABLED
License Reservation is ENABLED
Registration:
  Status:
```

REGISTERED - SPECIFIC LICENSE RESERVATION

```
Export-Controlled Functionality: ALLOWED
License Authorization:
  Status:
```

AUTHORIZED - RESERVED

License Usage:

License	Entitlement tag	Count	Status
---------	-----------------	-------	--------

C9500 Network Advantage (C9500 Network Advantage) 2

AUTHORIZED

C9500-DNA-16X-A (C9500-16X DNA Advantage) 2

AUTHORIZED

Switch#

show license reservation

License reservation: ENABLED

Overall status:

Active: PID:C9500-16X,SN:FCW2233A5ZV

Reservation status: SPECIFIC INSTALLED on Aug 31 10:15:01 2020 PDT

Export-Controlled Functionality: ALLOWED

Last Confirmation code: 4bfbea7f

Standby: PID:C9500-16X,SN:FCW2233A5ZY

Reservation status: SPECIFIC INSTALLED on Aug 31 10:15:01 2020 PDT

Export-Controlled Functionality: ALLOWED

Last Confirmation code: 9394f196

Specified license reservations:

C9500 Network Advantage (C9500 Network Advantage):

Description: C9500 Network Advantage

Total reserved count: 2

Term information:

Active: PID:C9500-16X,SN:FCW2233A5ZV

License type: PERPETUAL

Term Count: 1

Standby: PID:C9500-16X,SN:FCW2233A5ZY

License type: PERPETUAL

Term Count: 1

C9500-DNA-16X-A (C9500-16X DNA Advantage):

Description: C9500-DNA-16X-A

Total reserved count: 2

Term information:

Active: PID:C9500-16X,SN:FCW2233A5ZV

License type: TERM

Start Date: 2020-MAR-17 UTC

End Date: 2021-MAR-17 UTC

Term Count: 1

Standby: PID:C9500-16X,SN:FCW2233A5ZY

License type: TERM

Start Date: 2020-MAR-17 UTC

End Date: 2021-MAR-17 UTC

Term Count: 1

Switch#

show license status

Smart Licensing is ENABLED

Utility:

Status: DISABLED

License Reservation is ENABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Callhome

Registration:

Status:

REGISTERED - SPECIFIC LICENSE RESERVATION

Export-Controlled Functionality: ALLOWED

Initial Registration: SUCCEEDED on Aug 31 11:07:39 2020 PDT

License Authorization:

Status:

AUTHORIZED - RESERVED

on Aug 31 10:15:01 2020 PDT

Export Authorization Key:

Features Authorized:

<none>

مادختساب "يكدل صيخرتل" مادختساب ديهمتلا دعب زاهجلا لىل رم اوألا راهظا
جهنلا اهمعدي يتلا ةروصللا

نم اهليوخت مت دق اهنأ لىل ريشتو مادختسالال ديقي ه امك صيخارتلا ضرعلا رم اوأ ضرعت
مادختسالال ديقي يضارتفالال Cisco جهن. ددحم صيخرت زج لبق

<#root>

Switch#

show license summary

License Reservation is ENABLED

License Usage:

License	Entitlement tag	Count	Status
---------	-----------------	-------	--------

network-advantage	(C9500 Network Advantage)	2	
-------------------	---------------------------	---	--

IN USE

dna-advantage	(C9500-16X DNA Advantage)	2	
---------------	---------------------------	---	--

IN USE

Switch#

show license all

Smart Licensing Status

=====

Smart Licensing is ENABLED
License Reservation is ENABLED

Export Authorization Key

Features Authorized:
<none>

Utility:

Status: DISABLED

Smart Licensing Using Policy:

Status: ENABLED

Data Privacy:

Sending Hostname: yes
Callhome hostname privacy: DISABLED
Smart Licensing hostname privacy: DISABLED
Version privacy: DISABLED

Transport:

Type: Transport Off

Miscellaneous:

Custom Id: <empty>

Policy:

Policy in use: Merged from multiple sources.
Reporting ACK required: yes (CISCO default)
Unenforced/Non-Export Perpetual Attributes:
First report requirement (days): 365 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 90 (CISCO default)
Unenforced/Non-Export Subscription Attributes:
First report requirement (days): 90 (CISCO default)
Reporting frequency (days): 90 (CISCO default)
Report on change (days): 90 (CISCO default)
Enforced (Perpetual/Subscription) License Attributes:
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)
Export (Perpetual/Subscription) License Attributes:
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)

Usage Reporting:

Last ACK received: <none>
Next ACK deadline: Nov 29 10:50:05 2020 PDT
Reporting Interval: 30
Next ACK push check: <none>
Next report push: Aug 31 10:52:05 2020 PDT
Last report push: <none>

Last report file write: <none>

Trust Code Installed: <none>

License Usage

=====

network-advantage (C9500 Network Advantage):

Description: network-advantage
Count: 2
Version: 1.0
Status: IN USE
Export status: NOT RESTRICTED
Feature Name: network-advantage
Feature Description: network-advantage
Enforcement type: NOT ENFORCED
License type: Perpetual
Reservation:
Reservation status:

SPECIFIC INSTALLED

Total reserved count: 2

dna-advantage (C9500-16X DNA Advantage):

Description: C9500-16X DNA Advantage
Count: 2
Version: 1.0
Status:

IN USE

Export status: NOT RESTRICTED
Feature Name: dna-advantage
Feature Description: C9500-16X DNA Advantage
Enforcement type: NOT ENFORCED
License type: Subscription
Reservation:
Reservation status:

SPECIFIC INSTALLED

Total reserved count: 2

Product Information

=====

UDI: PID:C9500-16X,SN:FCW2233A5ZV

HA UDI List:

Active:PID:C9500-16X,SN:FCW2233A5ZV
Standby:PID:C9500-16X,SN:FCW2233A5ZY

Agent Version

=====

Smart Agent for Licensing: 5.0.5_rel/42

License Authorizations

=====

Overall status:

Active: PID:C9500-16X,SN:FCW2233A5ZV

Status:

SPECIFIC INSTALLED

on Aug 31 10:15:01 2020 PDT
Last Confirmation code: 4bfbea7f
Standby: PID:C9500-16X,SN:FCW2233A5ZY
Status:

SPECIFIC INSTALLED

on Aug 31 10:15:01 2020 PDT
Last Confirmation code: 9394f196

Specified license reservations:

C9500 Network Advantage (C9500 Network Advantage):

Description: C9500 Network Advantage

Total reserved count: 2

Enforcement type: NOT ENFORCED

Term information:

Active: PID:C9500-16X,SN:FCW2233A5ZV

Authorization type:

SPECIFIC INSTALLED

on Aug 31 10:15:01 2020 PDT
License type: PERPETUAL
Term Count: 1
Standby: PID:C9500-16X,SN:FCW2233A5ZY
Authorization type:

SPECIFIC INSTALLED

on Aug 31 10:15:01 2020 PDT
License type: PERPETUAL
Term Count: 1
C9500-DNA-16X-A (C9500-16X DNA Advantage):
Description: C9500-DNA-16X-A
Total reserved count: 2
Enforcement type: NOT ENFORCED
Term information:
Active: PID:C9500-16X,SN:FCW2233A5ZV
Authorization type:

SPECIFIC INSTALLED

on Aug 31 10:15:01 2020 PDT
License type: PERPETUAL
Term Count: 1
Standby: PID:C9500-16X,SN:FCW2233A5ZY
Authorization type:

SPECIFIC INSTALLED

on Aug 31 10:15:01 2020 PDT
License type: PERPETUAL
Term Count: 1

Purchased Licenses:

No Purchase Information Available

Derived Licenses:

Entitlement Tag: regid.2017-03.com.cisco.advantagek9-Nyquist-C9500,1.0_f1563759-2e03-4a4c-bec5-5fec5

Entitlement Tag: regid.2017-07.com.cisco.C9500-DNA-16X-A,1.0_ef3574d1-156b-486a-864f-9f779ff3ee49

Switch#

show license status

Utility:

Status: DISABLED

License Reservation is ENABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Transport Off

Policy:

Policy in use: Merged from multiple sources.

Reporting ACK required: yes (CISCO default)

Unenforced/Non-Export Perpetual Attributes:

First report requirement (days): 365 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 90 (CISCO default)

Unenforced/Non-Export Subscription Attributes:

First report requirement (days): 90 (CISCO default)

Reporting frequency (days): 90 (CISCO default)

Report on change (days): 90 (CISCO default)

Enforced (Perpetual/Subscription) License Attributes:

First report requirement (days): 0 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 0 (CISCO default)

Export (Perpetual/Subscription) License Attributes:

First report requirement (days): 0 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 0 (CISCO default)

Miscellaneous:

Custom Id: <empty>

Usage Reporting:

Last ACK received: <none>

Next ACK deadline: Nov 29 10:50:05 2020 PDT

Reporting Interval: 30

Next ACK push check: <none>

Next report push: Aug 31 10:52:05 2020 PDT

Last report push: <none>

Last report file write: <none>

Trust Code Installed: <none>

دوجو مدعل ارظن ةزوجحم لا صيخارتلا لىل ريشتو (PIs) طبارتلا تارشؤم ريغتت مل CSSM في ريشي تحت ةبولطم مادختسالا ريراقت نوكت ال. ةطقنلا هذه لىل نغالبال مت مادختسالا

Syslog لئاسر يقلت متي وأجهنلا

Smart Software Licensing

Feedback Support Help

Alerts | Inventory | Convert to Smart Licensing | Reports | Preferences | On-Prem Accounts | Activity

Virtual Account: SLE_Test ▾

Minor | Informational | Hide Alerts

Name	Product Type	Last Contact	Alerts	Actions
UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZV;	C9500	2020-Sep-25 18:01:41 (Reserved Licenses)		Actions ▾
UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZV;	C9500	2020-Sep-25 18:00:24 (Reserved Licenses)		Actions ▾
UDI_PID:C9407R; UDI_SN:FXS2119Q2U7;	C9400	2020-Sep-25 17:21:27		Actions ▾
svl_10	C9400	2020-Sep-25 15:08:42		Actions ▾
UDI_PID:C9300-48T; UDI_SN:FOC2236Z0P2;	C9300	2020-Sep-25 12:09:59		Actions ▾

جهنلا ىلع ءانب ةجالحا دنع قحاحل خيرات يف مادختسالا نع ريراقتلا دادعإ

ةكبشلا ةينب صيخارت تناك اذا مادختسالا نع غالبال زاهجلا بلط نكمي، قحاحل خيرات يف ريغ عضولا يف كلذب مايقل نكمملا نم لازي الو. مادختسالا دي Cisco نم ةيمقرلا زاهجلا طقف دحاو ريرقت فلم رفوت مزلي، HA ماظنل ةبسنلاب، كلذ عم و. اضيأ لصتملا ريرقتلا فلم عاشنال (CLI) رماوالا رطس ةهجاو license smart save usage رمال مادختسا. لملكلاب ةطساوب هيل لوصول نكمي ناكم ىل فللمال خسن مث CSSM. يف مادختسا بولطملا CSSM.

```
Switch#license smart save usage unreported file flash:RUM-usage-20200925.txt
Switch#copy flash:RUM-usage-20200925.txt tftp://172.27.18.5//auto/tftp-sjc-users2/byodis/
Address or name of remote host [172.27.18.5]?
Destination filename [/auto/tftp-sjc-users2/byodis/RUM-usage-20200925.txt]?
!!
15128 bytes copied in 0.161 secs (93963 bytes/sec)
```

Usage قوف رونا، نالا. ريراقتلا ةذفان يف بيوبتلا ةمالع Report قوف رونا، نالا CSSM حتفا تيبتت بلطي. مادختسالا ريرقت فلم ليحتل رز Upload Usage Data قوف رونا مث ةلودج Data Files رونا) ريرقتلا ةجلام ءاهتنا راطتنا. جيحصل باسحلا رايخا نم دكأتف، "يرهاظلا باسحلا" تناك اذا. (اهلامك مت اذا ام ةفرعمو ةشاشلا شيحتل بيوبتلا ةمالع Usage Data Files قوف ليزنلل فلملا رفوت Download ACK و ءاطخأ دوجو مدع ىل ريرقتلا ةمالع نإف، ةحجان ريراقتلا حاجنب هنع غالبالا مادختسالا يقلت ىل ريشي امم زاهجلا ىلع تيبتتلاو

Reports

Report **Usage Data Files** Reporting Policy

Devices can be configured to report the features that they are using.
This usage then determines which licenses are needed, in order to be compliant.

Upload Usage Data... Search by File Name, Virtual Account

Usage Data File	Reported	Virtual Account	Reporting Status	Devices	Acknowledgement
RUM-usage-20200925.txt	2020-Sep-25	SLE_Test	i No Errors	1	Download
sle_usage_top_7slot_20200924	2020-Sep-25	SLE_Test	x Errors (1)	1	Download
sle_usage_top_7slot_20200924	2020-Sep-25	SLE_Test	x Errors (1)	1	Download
usage	2020-Sep-24	SLE_Test	i No Errors	1	Download

زاهجلا ةطساوب هي لوصولو نكمي ام ناكم يف واهجلا لى اذ لي زنتلا فلم خسنا
زاهجلا لى ACK فلم داريتسال license smart import رمأل مدختساو

```
Switch#license smart import tftp://172.27.18.5//auto/tftp-sjc-users2/byodis/ACK_RUM-usage-20200925.txt
Import Data Successful
```

حجصل تقولا يف ACK ليجست مت هنأ لى ريشت show license status نم جتانل

```
<#root>
```

```
Switch#
```

```
show license status
```

```
Utility:
```

```
Status: DISABLED
```

```
Smart Licensing Using Policy:
```

```
Status: ENABLED
```

```
License Reservation is ENABLED
```

```
Data Privacy:
```

```
Sending Hostname: yes
```

```
Callhome hostname privacy: DISABLED
```

```
Smart Licensing hostname privacy: DISABLED
```

```
Version privacy: DISABLED
```

```
Transport:
```

```
Type: Off
```

```
Policy:
```

```
Policy in use: Merged from multiple sources.
```

```
Reporting ACK required: yes (CISCO default)
```

```
Unenforced/Non-Export Perpetual Attributes:
```

First report requirement (days): 365 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 90 (CISCO default)
Unenforced/Non-Export Subscription Attributes:
First report requirement (days): 90 (CISCO default)
Reporting frequency (days): 90 (CISCO default)
Report on change (days): 90 (CISCO default)
Enforced (Perpetual/Subscription) License Attributes:
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)
Export (Perpetual/Subscription) License Attributes:
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)

Miscellaneous:

Custom Id: <empty>

Usage Reporting:

Last ACK received: Sep 25 10:12:15 2020 PST

Next ACK deadline: Dec 24 10:12:15 2020 PST
Reporting push interval: 30 days
Next ACK push check: Sep 25 07:55:35 2020 PST
Next report push: Sep 25 10:12:46 2020 PST
Last report push: Sep 25 07:54:33 2020 PST
Last report file write: <none>

Trust Code Installed: <none>

مادختسا| ضرع متي و ةزوجحملا صيخارتلا ضرعت (PI) طبارتلا تارشؤم دعت مل، CSSM ي
طاشنلا PI رشؤم ي ف طوق صيخرتلا.

Smart Software Licensing

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

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

Virtual Account: [SLE_Test](#) ▾

4 Minor | 9 Informational | [Hide Alerts](#)

[General](#) | [Licenses](#) | [Product Instances](#) | [Event Log](#)

Name	Product Type	Last Contact ▾	Alerts	Actions
UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZV;	C9500	2020-Sep-25 17:03:20		Actions ▾
UDI_PID:C9500-16X; UDI_SN:FCW2233A5ZY;	-	2020-Sep-25 17:03:18		Actions ▾
UDI_PID:C9407R; UDI_SN:FXS2119Q2U7;	C9400	2020-Sep-25 16:59:37		Actions ▾
svl_10	C9400	2020-Sep-25 15:08:42		Actions ▾
UDI_PID:C9300-48T; UDI_SN:FOC2236Z0P2;	C9300	2020-Sep-25 12:09:59		Actions ▾
UDI_PID:C9300-24P; UDI_SN:FOC2237U0G2;	C9300	2020-Sep-25 12:09:59		Actions ▾

زجحل ةم و ةدملا ةروصلال ال ةسايسلا مادختساب يكذلا صيخرتلا نم ضفخلال
ددحم صيخرت

معدى هنكل ةسايسلا مادختساب يكذلا صيخرتلا معدى ال رادصلال ال ةروصلال ضفخمت اذا
ال - ةصخرم و ةزوجم صيخرتلا يقبت . ةروصلال ال ع ضفخلال ذيفنت وه مزلي ام لك نإف ، SLR
رخآ عيش ال ةجاح .

صيخرتلا " ال ميقتلا و ميقتلا ليحرت ةيخالص تهتنا جهنلا مادختساب " يكذلا

اهنإف ، اهرادصلال ال صيخرتلا ليحست متي مل اذا ، 17.3.1 رادصلال ال تحت 16.9.1 رادصلال نم اءدبو
ةيهتنم Eval صيخرت حبصت ، اموي 90 دعب . يضا رتفا لكشب Eval صيخرت بجومب نوكت
عيمج ضرف متي مل هنأل ارظن . صيخرتلل لاثتمال مدع ال امهالك ريشي . ةيخالصلال
زاهجال ال ع تازيمل فئاظو نادقف متي مل ، صيخرتلا

، كذل . صيخرتلل ميقت تالاح ال ع لم تشي ةسايسلا مادختساب يكذلا صيخرتلا دعى مل
يكذ صيخرت ال ةزهجال ةيقرت دنع Eval Expired و Eval صيخرت ةزهجال ال يدل ناك اذا
ديق صيخرتلا هذه عيمج نأ ةظحالم متيسف ، ةسايسلل اقفو ةم و ةدم ةروص مادختساب
ريغ اهنأ ال ع صيخرتلا ضرع متي دعى مل . يضا رتفال Cisco جهن قيبطت متي و مادختسالال
ةقفاوتم ريغ و اهب حرصم .

ةيخالصلال يهتنم Eval/Eval عضو ي ةي كذلا صيخرتلل رماوالا راهظا

<#root>

Switch#

show license summary

Smart Licensing is ENABLED

Registration:

Status:

UNREGISTERED

Export-Controlled Functionality: NOT ALLOWED

License Authorization:

Status:

EVAL MODE

Evaluation Period Remaining: 89 days, 21 hours, 37 minutes, 30 seconds

License Usage:

License Entitlement tag Count Status

(C9500 Network Advantage) 2

EVAL MODE

(C9500-16X DNA Advantage) 2

EVAL MODE

Switch#

show license usage

License Authorization:

Status: EVAL MODE

Evaluation Period Remaining: 89 days, 21 hours, 37 minutes, 21 seconds

(C9500 Network Advantage):

Description:

Count: 2

Version: 1.0

Status:

EVAL MODE

Export status: NOT RESTRICTED

(C9500-16X DNA Advantage):

Description:

Count: 2

Version: 1.0

Status:

EVAL MODE

Export status: NOT RESTRICTED

Switch#

show license status

Smart Licensing is ENABLED

Utility:

Status: DISABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Callhome

Registration:

Status:

UNREGISTERED

Export-Controlled Functionality: NOT ALLOWED

License Authorization:

Status:

EVAL MODE

Evaluation Period Remaining: 89 days, 21 hours, 37 minutes, 15 seconds

Export Authorization Key:

Features Authorized:

<none>

Miscellaneous:

Custom Id: <empty>

م تي مل نكلو ةي قرتلا دع ب جه نلا مادخت ساب ي كذلا صيخرتلل رم او ال راهظا
دع ب مادخت سال ن ع غالب ال

<#root>

Switch#

show license summary

License Usage:

License Entitlement tag Count Status

network-advantage (C9500 Network Advantage) 2

IN USE

dna-advantage (C9500-16X DNA Advantage) 2

IN USE

Switch#

show license usage

License Authorization:

Status:

Not Applicable

network-advantage (C9500 Network Advantage):

Description: network-advantage

Count: 2

Version: 1.0

Status:

IN USE

Export status: NOT RESTRICTED

Feature Name: network-advantage

Feature Description: network-advantage

Enforcement type: NOT ENFORCED

License type: Perpetual

dna-advantage (C9500-16X DNA Advantage):

Description: C9500-16X DNA Advantage

Count: 2

Version: 1.0

Status:

IN USE

Export status: NOT RESTRICTED

Feature Name: dna-advantage

Feature Description: C9500-16X DNA Advantage

Enforcement type: NOT ENFORCED

License type: Subscription

Switch#

show license status

Utility:

Status: DISABLED

Smart Licensing Using Policy:

Status: ENABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Transport Off

Policy:

Policy in use: Merged from multiple sources.

Reporting ACK required: yes (CISCO default)

Unenforced/Non-Export Perpetual Attributes:

First report requirement (days): 365 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 90 (CISCO default)

Unenforced/Non-Export Subscription Attributes:

First report requirement (days): 90 (CISCO default)

Reporting frequency (days): 90 (CISCO default)

Report on change (days): 90 (CISCO default)

Enforced (Perpetual/Subscription) License Attributes:

First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)
Export (Perpetual/Subscription) License Attributes:
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)

Miscellaneous:

Custom Id: <empty>

Usage Reporting:

Last ACK received: <none>
Next ACK deadline: Feb 08 08:27:59 2021 PST
Reporting push interval: 30 days
Next ACK push check: <none>
Next report push: Nov 10 08:29:59 2020 PST
Last report push: <none>
Last report file write: <none>

Trust Code Installed: <none>

مادختساو CSLU ب لاصتال دع ب جهنل مادختساب ي كذل صيخرتلل رم اوأال راهظا ري راقتل

ي وونللا ضمحللا ةزيم) كارتشاللا صيخارت نأ لىل جارخاللا ريشي `show license status` في ةسايسك
ي مادختسا نكمي. اموي 90 نوضغ في ريراقتللا مي دقتل ةبولطم (ي وونللا ضمحللا تايساس او
ليلد مادختساب ي كذل صيخرتلل عجار. ةددعتمللا ةمومدملا مادختساللا ريراقتل تاططخم نم
عطاقم لىل لوصحلل ةلاقمللا هذه ةياهن في طب اورلا ضعب رفوتت امك. ةسايسللا نيوكت
مداخل حيرص نيوكتب CSLU ع فد ج ذومن مادختسا وه لياتللا لاثملا. ةديفم قئاثوو ويديف
ليلد لىل روثللا نكمي. (VM، مداخ، لومحم رتوي بمك) Windows 10 زاخ لىل تبثملا CSLU
لىل مدختسمللا لىل دود هتيتبثتو CSLU لىل زنت

<https://software.cisco.com/download/home/286285506/type/286327971/release/1.0.0-2>

<#root>

Switch#

```
show running-config all | include cslu
```

```
license smart transport cslu
```

Switch#

```
Switch#configure terminal
```

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#

```
license smart url cslu http://10.24.74.180:8182/cslu/v1/pi
```

Switch(config)#^Z

Switch#

```
Switch#write memory
```

Building configuration...

[OK]

Switch#

```
show running-config all | include cslu
```

```
license smart url cslu http://10.24.74.180:8182/cslu/v1/pi
license smart transport cslu
Switch#
```

To force the license usage to be reported use the "license smart sync" command.

```
Switch#
license smart sync all
```

```
Switch#
*Sep 22 10:48:36.050 PST: %SMART_LIC-5-COMM_RESTORED: Communications with Cisco Smart License Utility (
```

Note: Use the "all" option for HA device. Use "local" option for standalone switch

```
Switch#
show license summary
```

```
License Usage:
License Entitlement tag Count Status
-----
network-advantage (C9500 Network Advantage) 2
IN USE

dna-advantage (C9500-16X DNA Advantage) 2
IN USE
```

```
Switch#
show license usage
```

```
License Authorization:
  Status: Not Applicable
```

```
network-advantage (C9500 Network Advantage):
  Description: network-advantage
  Count: 2
  Version: 1.0
  Status:
IN USE
```

```
Export status: NOT RESTRICTED
Feature Name: network-advantage
Feature Description: network-advantage
Enforcement type: NOT ENFORCED
License type: Perpetual
```

```
dna-advantage (C9500-16X DNA Advantage):
  Description: C9500-16X DNA Advantage
  Count: 2
  Version: 1.0
```

Status:

IN USE

Export status: NOT RESTRICTED
Feature Name: dna-advantage
Feature Description: C9500-16X DNA Advantage
Enforcement type: NOT ENFORCED
License type: Subscription

Switch#

show license status

Utility:

Status: DISABLED

Smart Licensing Using Policy:

Status: ENABLED

Data Privacy:

Sending Hostname: yes
Callhome hostname privacy: DISABLED
Smart Licensing hostname privacy: DISABLED
Version privacy: DISABLED

Transport:

Type: cslu
Cslu address: <http://10.24.74.180:8182/cslu/v1/pi>

Proxy:

Not Configured

Policy:

Policy in use: Merged from multiple sources.
Reporting ACK required: yes (CISCO default)
Unenforced/Non-Export Perpetual Attributes:
First report requirement (days): 365 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 90 (CISCO default)
Unenforced/Non-Export Subscription Attributes:
First report requirement (days): 90 (CISCO default)
Reporting frequency (days): 90 (CISCO default)
Report on change (days): 90 (CISCO default)
Enforced (Perpetual/Subscription) License Attributes:
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)
Export (Perpetual/Subscription) License Attributes:
First report requirement (days): 0 (CISCO default)
Reporting frequency (days): 0 (CISCO default)
Report on change (days): 0 (CISCO default)

Miscellaneous:

Custom Id: <empty>

Usage Reporting:

Last ACK received: Nov 10 08:56:48 2020 PST
Next ACK deadline: Feb 08 08:56:48 2021 PST
Reporting push interval: 30 days

Next ACK push check: <none>
Next report push: Dec 10 08:55:29 2020 PST
Last report push: Nov 10 08:55:29 2020 PST
Last report file write: <none>

Trust Code Installed: <none>

صيخارتى لى ةسايسال ةروص مادختساب يكذلى صيخرتلى نم ضفخلى ةروصل معدت يتلى مبيقتلى و مبيقتلى

Eval و Eval لى دوعت صيخارتلى نإف، SL مادختسا جهن معدت ال ةروصل ابولطم ضفخلى ناك اذا
ةفاك نأ امب. ةيقبتمل ةيلصلال مبيقتلى ةرتفب ظافتحال مبيقتلى. ةيخالصلال ةيهت نم
فئاظو ةيأ دقف مبيقتلى الف، ةضورفم ريغ Cat9K صيخارتلى

جهنل ةروص مادختساب يكذلى صيخرتلى لى RTU صيخرت لى حرت

C9500 و C9400 و C9300 تازارطللى لى و صيخرتل ماطن ةبامب (RTU) مادختسال صيخرتل ناك
16.9.1. حرت يكذلى صيخرتل رفوتى مل 16.8.1a رادصلال حرت

رماو او نيوكتلل رماو license right-to-use ةميدقلى مادختست اهنكلو يه امك صيخارتلى عيمج لازت ال
لبق نم ةدمتعمل روصلال مادختساب يكذلى صيخرتلى لى ةروصلال ةيقت درجمب show.
يأ كانه ناك اذا Eval/Eval ع و ع لال وه امك، مادختسال ديقت صيخارتلى نوكت، ةسايسال
دادع لى ضارتفال Cisco جهن بلطتتى، مادختسال ديقت Cisco نم يوونل ضمحلل صيخارتلى
ةم و ةم ةفلتخمل تاطاخمل نم يأ مادختسا نكمي. اموي 90 ي مادختسال لوى ريراق
جهنل ةروص مادختساب يكذلى صيخرتلى مادختسال ناع غالبال

RTU صيخرت مادختساب زاهجلى لى رماو ال راهظا

<#root>

Switch#

```
show license right-to-use summary
```

```
License Name Type Period left
```

```
-----  
network-essentials Permanent Lifetime  
dna-essentials Subscription CSSM Managed  
-----
```

```
License Level In Use: network-essentials+dna-essentials Subscription  
License Level on Reboot: network-essentials+dna-essentials Subscription
```

Switch#

```
show license right-to-use
```

```
Slot# License Name Type Period left
```

1 network-essentials Permanent Lifetime

1 dna-essentials Subscription CSSM Managed

License Level on Reboot: network-essentials+dna-essentials Subscription

Slot# License Name Type Period left

2 network-essentials Permanent Lifetime

2 dna-essentials Subscription CSSM Managed

License Level on Reboot: network-essentials+dna-essentials Subscription

Slot# License Name Type Period left

3 network-essentials Permanent Lifetime

3 dna-essentials Subscription CSSM Managed

License Level on Reboot: network-essentials+dna-essentials Subscription

Switch#

show license right-to-use usage

Slot# License Name Type usage-duration(y:m:d) In-Use EULA

1 network-essentials Permanent 00:00:00 yes yes

1 network-essentials Evaluation 00:00:00 no no

1 network-essentials Subscription 00:00:00 no no

1 network-advantage Permanent 00:00:00 no no

1 network-advantage Evaluation 00:00:00 no no

1 network-advantage Subscription 00:00:00 no no

1 dna-essentials Evaluation 00:00:00 no no

1 dna-essentials Subscription 00:00:00 yes yes

1 dna-advantage Evaluation 00:00:00 no no

1 dna-advantage Subscription 00:00:00 no no

Slot# License Name Type usage-duration(y:m:d) In-Use EULA

```

-----
2 network-essentials Permanent 00:00:00 yes yes

2 network-essentials Evaluation 00:00:00 no no
2 network-essentials Subscription 00:00:00 no no
2 network-advantage Permanent 00:00:00 no no
2 network-advantage Evaluation 00:00:00 no no
2 network-advantage Subscription 00:00:00 no no
2 dna-essentials Evaluation 00:00:00 no no

2 dna-essentials Subscription 00:00:00 yes yes

2 dna-advantage Evaluation 00:00:00 no no
2 dna-advantage Subscription 00:00:00 no no
-----

```

```

Slot# License Name Type usage-duration(y:m:d) In-Use EULA
-----
3 network-essentials Permanent 00:00:00 yes yes

3 network-essentials Evaluation 00:00:00 no no
3 network-essentials Subscription 00:00:00 no no
3 network-advantage Permanent 00:00:00 no no
3 network-advantage Evaluation 00:00:00 no no
3 network-advantage Subscription 00:00:00 no no
3 dna-essentials Evaluation 00:00:00 no no

3 dna-essentials Subscription 00:00:00 yes yes

3 dna-advantage Evaluation 00:00:00 no no
3 dna-advantage Subscription 00:00:00 no no

```

مادختساب يكدل صيخرتل الى RTU نم ةيقرتل دعب زاهجلا لىل رم اوألا راهظا
جهنلل ةم وءدملا ةروصللا

<#root>

Switch#

show license summary

License Usage:

License	Entitlement Tag	Count	Status
network-advantage	(C9300-24 Network Advan...)	2	IN USE
dna-advantage	(C9300-24 DNA Advantage)	2	IN USE

network-advantage (C9300-48 Network Advan...) 1

IN USE

dna-advantage (C9300-48 DNA Advantage) 1

IN USE

Switch#

show license usage

License Authorization:
Status: Not Applicable

network-advantage (C9300-24 Network Advantage):
Description: C9300-24 Network Advantage
Count: 2
Version: 1.0
Status:

IN USE

Export status: NOT RESTRICTED
Feature Name: network-advantage
Feature Description: C9300-24 Network Advantage
Enforcement type: NOT ENFORCED
License type: Perpetual

dna-advantage (C9300-24 DNA Advantage):
Description: C9300-24 DNA Advantage
Count: 2
Version: 1.0
Status:

IN USE

Export status: NOT RESTRICTED
Feature Name: dna-advantage
Feature Description: C9300-24 DNA Advantage
Enforcement type: NOT ENFORCED
License type: Subscription

network-advantage (C9300-48 Network Advantage):
Description: C9300-48 Network Advantage
Count: 1
Version: 1.0
Status:

IN USE

Export status: NOT RESTRICTED
Feature Name: network-advantage
Feature Description: C9300-48 Network Advantage
Enforcement type: NOT ENFORCED

License type: Perpetual

dna-advantage (C9300-48 DNA Advantage):

Description: C9300-48 DNA Advantage

Count: 1

Version: 1.0

Status:

IN USE

Export status: NOT RESTRICTED

Feature Name: dna-advantage

Feature Description: C9300-48 DNA Advantage

Enforcement type: NOT ENFORCED

License type: Subscription

Switch#

show license status

Utility:

Status: DISABLED

Smart Licensing Using Policy:

Status: ENABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Transport Off

Policy:

Policy in use: Merged from multiple sources.

Reporting ACK required: yes (CISCO default)

Unenforced/Non-Export Perpetual Attributes:

First report requirement (days): 365 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 90 (CISCO default)

Unenforced/Non-Export Subscription Attributes:

First report requirement (days): 90 (CISCO default)

Reporting frequency (days): 90 (CISCO default)

Report on change (days): 90 (CISCO default)

Enforced (Perpetual/Subscription) License Attributes:

First report requirement (days): 0 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 0 (CISCO default)

Export (Perpetual/Subscription) License Attributes:

First report requirement (days): 0 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 0 (CISCO default)

Miscellaneous:

Custom Id: <empty>

Usage Reporting:

Last ACK received: <none>

Next ACK deadline: Feb 08 08:27:59 2021 PST
Reporting push interval: 20 days
Next ACK push check: <none>
Next report push: Nov 10 08:29:59 2020 PST
Last report push: <none>
Last report file write: <none>

Trust Code Installed: <none>

جهن ب ةم و عدم ةروص م ادختساب ي ك ذ ص ي خرت ي ل ا ة ي ق رت ل ا د ع ب ه ذ ه ض ر ع ل ا ر م ا و ا ذ ي ف ن ت م ت ي ل ا ص ي خ ا ر ت ل ا ع ي م ج ل ي و ح ت م ت ي . د ع ب CSSM ي ل ا م ادختسالا ن ع غ ا ل ب ا ل ا م ت ي م ل ن ك ل و Cisco ة س ا ي س م ادختسا و م ادختسالا د ي ق ر ه ط ت ة س ا ي س م ادختساب ي ك ذ ص ي خ ر ت ي ف م ادختسالا ن ع ر ي ر ا ق ت د ا د ع ا م ز ل ي ، ك ا ر ت ش ا ص ي خ ر ت م ادختسا ة ل ا ح ي ف . ة ي ض ا ر ت ف ا ل ا ي ا د ق ف م ت ي ا ل ، ك ل ذ ع م و . CSSM ن م Syslog ل ئ ا س ر ل ا س ر ا م ت ي ، ك ل ذ د ع ب . ا م و ي 90 ن و ض غ C9K ص ي خ ا ر ت ع ي م ج ض ر ف ع ا غ ل ا م ت ي ه ن ا ل ا ر ط ن ة ز ي م ة ف ي ط و .

ن ي و ك ت ل ي ل د م ادختساب "ي ك ذ ل ا ص ي خ ر ت ل ا" ي ف ة ح ض و م ل ا ت ا ط خ م ل ا ن م ي ا م ادختسا ن ك م ي ة ح ض و م ل ا ك ل ت ل ة ل ث ا م م ص ي خ ر ت ل ا ض ر ع ر م ا ت ا ج ر خ م ن و ك ت . غ ا ل ب ا ل ا ب ا ه ت ب ل ا ط م د ن ع ، ة س ا ي س ل ا ت ا ج ر خ م ل ا ض ع ب ف ل ت خ ت ن ا ن ك م ي ، م د خ ت س م ل ا ط ط خ م ل ا ب س ح . د ن ت س م ل ا ا ذ ه ي ف .

ي ت ل ا ة ر و ص ل ا ي ل ا ة س ا ي س ل ا ة ر و ص م ادختساب ي ك ذ ل ا ص ي خ ر ت ل ا ن م ض ف خ ل ا RTU ص ي خ ا ر ت م ع د ت

ظ ا ف ت ح ا ل ا م ت ي س ف ، 16.9.1 ل ب ق ة ر و ص ي ل ا ي ر خ ا ة ر م Cisco IOS XE ة ر و ص ض ف خ م ز ل ي ن ا ك ا ذ ا م ت ي ا ل و ة ف و ر ع م ر ي غ ة ي ك ذ ص ي خ ر ت ت ا ن ي و ك ت ي ا ن ا ف ، ك ل ذ ع م و . ت ا ز ي م ل ا ف ئ ا ط و و ص ي خ ا ر ت ل ا ب ا ه ا ط ف ح .

م ع د ت ة ر و ص ي ل ا ة س ا ي س ة ر و ص م ادختساب ي ك ذ ل ا ص ي خ ر ت ل ا ن م ض ف خ ل ا ي ك ذ ل ا ص ي خ ر ت ل ا

م ت و ج ه ن ب ة م و عدم ة ر و ص م ادختساب ي ك ذ ص ي خ ر ت ي ل ا RTU م ع د ت ة ر و ص ن م ز ا ه ج ل ي ح ر ت م ت ا ذ ا ي ل ع ص ي خ ا ر ت ل ا ن ا ف ، 17.4.1 و 17.3.2 ل ب ق ي ك ذ ل ا ص ي خ ر ت ل ا م ع د ت ة ر و ص ي ل ا ا ق ح ا ل ا ه ض ي ف خ ت ا ه ذ ي ف ن ت م ت ي ل ة د د ح م ص ي خ ر ت ز ج ة ي ل م ع و ا ل ي ح س ت ل ا ب ل ط ت ت ة ز ه ا ل ا ه ذ ه .

ج ه ن ل ل ة ص ص خ م ج ه ن م ادختساب ي ك ذ ص ي خ ر ت

و ه ا ذ ه ن ا ك ا ذ ا و Cisco ع م ة ص ص خ م ة س ا ي س ل و ح ت ض و ا ف ت د ق ة ك ر ش ل ا ن و ك ت ن ا ن ك م م ل ا ن م د ح ا و ص ص خ م ج ه ن ك ا ن ه ن و ك ي ن ا ن ك م ي . "ي ك ذ ل ا ب ا س ح ل ا" ي ف ج ه ن ل ا ا ذ ه ت ب ث ت Cisco ن ا ف ، ل ا ح ل ا ب ا س ح ل ا" ا ذ ه ن م ض ة ي ر ه ا ط ل ا ت ا ب ا س ح ل ا ة ف ا ك ي ل ع ه ق ي ب ط ت م ت ي و "ي ك ذ ب ا س ح" ل ك ل ط ق ف ض ر ع ة ق ي ر ط ح ت ف ا ، CSSM ي ف ذ ي ف ن ت ل ا د ي ق ص ص خ م ج ه ن ك ا ن ه ن ا ك ا ذ ا م ة ف ر ع م ل . "ي ك ذ ل ا ع م و ، د ح ا و ر ا د ص ا ن م ر ث ك ا ك ا ن ه ن و ك ي ن ا ن ك م ي . ب ي و ب ت ة م ا ل ع Reporting Policy ق و ف ر ق ن ا و ر ي ر ا ق ت ل ا ت ي ب ث ت ل ل ر ف و ت م ط ق ف ر ا د ص ا ث د ح ا ن ا ف ، ك ل ذ

Smart Software Licensing

Alerts | Inventory | Convert to Smart Licensing | **Reports** | Preferences | On-Prem Accounts | Activity

Reports

Report Usage Data Files **Reporting Policy**

This policy defines how often devices will report their feature usage.
It overrides the default policy that is configured on the devices.

Policy	Version	Actions
Custom Policy	6	View Download
Custom policy	09-Jun-2020	
Custom Policy	5	View
Custom policy	08-Jun-2020	
Custom Policy	4	View
Custom policy	08-Jun-2020	
Custom Policy	3	View
Custom policy	08-Jun-2020	
Custom Policy	2	View
Custom policy	08-Jun-2020	
Custom Policy	1	View
Custom policy	05-Jun-2020	

مادختسا ريرقت اراج دنع هتي بثت متي، "يكذال باسحل" في صصخم جهن تيبثت ةلاح في نم ال دب. EXEC show license status رما مادختساب ديدجل صصخملا جهنلا ةيؤر نكمي. صصخرتلا هفيعت مت ام ىل ادا متعا. ةصصخملا ةسايسلا ضرع متي، Cisco نم يضارتفالا دادعلا لوقح ي ارم تست. ةيضارتفالا ةصصخملا ميقل نم جي زم ةيؤر نكمي، صصخملا جهنلا في ةيضارتفالا Cisco ميقل ىل لوصحل في صصخملا جهنلا في ةفرع رميغ.

ليزنت نكمي، CSSM ططخم عم لصتم ريغ CSLU واصلصتم ريغ ططخم مادختسا ةلاح في زاهجلا ةطساوب هيل لوصول نكمي يذال عقوملا/فلملا ىل CSSM نم صصخملا جهنلا EXEC license smart import رما مادختساب زاهجلا ىل صصخملا جهنلا تيبثت ك لذ دب نكمي.

```
<#root>
```

```
Switch#
```

```
show license status
```

```
Utility:
```

```
Status: DISABLED
```

```
Smart Licensing Using Policy:
```

```
Status: ENABLED
```

```
Data Privacy:
```

Sending Hostname: yes
Callhome hostname privacy: DISABLED
Smart Licensing hostname privacy: DISABLED
Version privacy: DISABLED

Transport:
Type: Transport Off

Policy:

Policy in use: Installed On Nov 09 09:09:36 2020 PST

Policy name: Custom Policy

Reporting ACK required: yes (

Customer Policy

)

Unenforced/Non-Export Perpetual Attributes:

First report requirement (days):

60 (Customer Policy)

Reporting frequency (days):

60 (Customer Policy)

Report on change (days):

60 (Customer Policy)

Unenforced/Non-Export Subscription Attributes:

First report requirement (days):

30 (Customer Policy)

Reporting frequency (days):

30 (Customer Policy)

Report on change (days):

30 (Customer Policy)

Enforced (Perpetual/Subscription) License Attributes:

First report requirement (days): 0 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 0 (CISCO default)

Export (Perpetual/Subscription) License Attributes:

First report requirement (days): 0 (CISCO default)

Reporting frequency (days): 0 (CISCO default)

Report on change (days): 0 (CISCO default)

Miscellaneous:

Custom Id: <empty>

Usage Reporting:

Last ACK received: Nov 09 09:09:36 2020 PST
Next ACK deadline: Dec 09 09:09:36 2020 PST
Reporting push interval: 30 days
Next ACK push check: Oct 29 14:39:50 2020 PST
Next report push: Nov 09 09:10:07 2020 PST
Last report push: Oct 29 14:35:51 2020 PST
Last report file write: <none>

Trust Code Installed:

Active: PID:C9300-24UX,SN:FCW2303D16Y
INSTALLED on Oct 29 14:35:12 2020 PST
Standby: PID:C9300-24U,SN:FHH2043P09E
INSTALLED on Oct 29 14:35:13 2020 PST
Member: PID:C9300-48T,SN:FCW2139L056
INSTALLED on Oct 29 14:35:13 2020 PST

قائمة اذتمام

- رادصإلا تاطحالم: [RN-9200](#)، [RN-9300](#)، [RN-9400](#)، [RN-9500](#)، [RN-9600](#)
- نڤوكتاللةلدأ: [Cat9200-CG](#)، [Cat9300-CG](#)، [Cat9400-CG](#)، [Cat9500-CG](#)، [Cat9600-CG](#)
- رماوألأ عجارم: [Cat9200-CR](#)، [Cat9300-CR](#)، [Cat9400-CR](#)، [Cat9500-CR](#)، [Cat9600-CR](#)
- (تبتلملا ليلدومدختسملال ليلدنمضتي) Windows 10 ليزنتل CSLU:
<https://software.cisco.com/download/home/286285506/type/286327971/release/1.0.0-2>
- [تادنتسملالوڤنقتاللمعدلا - Cisco Systems](#)

ةمچرتل هذه لوح

ةللأل تاي نقتل نم ةومچم مادختساب دن تسمل اذه Cisco تچرت
ملاعلاء انءمچ يف نيمدختسمل معدى وتحم مي دقتل ةيرشبل او
امك ةقيقد نوك تنل ةللأل ةمچرت لصف انءمچال مچرئى. ةصاخلم هتغلب
Cisco يلخت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحل وه
ىل اءمءاد ةوچرلاب ي صوءو تامچرتل هذه ةقدنع اهتيلوئسم Cisco
Systems (رفوتم طبارل) ي لصلأل يزي لچنل دن تسمل