排除Catalyst Center许可使用案例和工作流程故 障

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简介

本文档介绍经常遇到的各种Cisco Catalyst Center许可方案。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档不限于特定的软件和硬件版本。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

背景信息

本文档提供有关如何使用Cisco Catalyst Center(以前称为DNA Center)的许可证管理器工作流程 进行设备许可证注册、通过CSSM在虚拟帐户之间迁移许可证等的分步详细信息。

场景

场景1:通过Cisco Catalyst Center License Manager注册设备许可证:传统方法 步骤1:通过管理员凭证或具有超级管理员权限的自定义角色登录到Cisco Catalyst Center。 第二步:导航到汉堡,然后选择工具 > License Manager。

| Cis | co DNA Center | | |
|-------------|---------------|---|---------------------|
| 00 | Design | > | Discovery |
| Ť | Policy | > | Topology |
| 뮻 | Provision | > | Command Runner |
| ~ | Assurance | > | License Manager |
| | Wedder | | Template Editor |
| <u>6</u> 29 | worktiows | | Model Config Editor |
| X | Tools | > | Wide Area Bonjour |
| ß | Platform | > | Security Advisories |
| Ð | Activities | | Network Reasoner |
| = | Reports | | |
| <u>ين</u> | System | > | |
| | Explore | | |

第三步:选择Devices选项卡并使用Filter选项或滚动浏览表以查找要注册其许可证的设备。

| ≡ 🚓 DNA Center | Tools / License Manager | * Q @ © Q A # |
|---|---|---|
| Overview Licenses Devices | Reporting Sync Status | |
| Q Search Herarchy | Some of your license compliance requirements have not been me | s. Learn more. |
| v 0 Gubat | 💡 Gioba | 1 |
| Unassigned Devices At Absar test | (i) Three (3) information Alerts on this page. Expand to see details. | Х |
| > ih Adrys80L | Devices (15) | ٠ |
| > di Anul > di Antria | License Level + All | |
| > R Dates Test | $\bar{\mathbb{Q}}_{i}$. Filter by Device Name. Use column filters to filter by other attributes. | 7 |
| 98 Gautami 98 Gautami-Test > 48 India | 1 Selected Actions V T Upload CSV Device Name Device Family | Recent Tasks As et. Oct 10, 2023 3 all PM P Address Device Series |
| > dit Mexico > dit test27 | C37508-487-S-ped-1442-sizes.com g: Switches a | nd Hubs 10.197.214.99 Cisco Catalyst 3750 Series |
| AP 1151 | S WS-C1850-447-6 gt Switches a | nd Hubs 192.168.0.1 Cisco Catalyst 3850 Series |

第四步:选中要注册其许可证的每个设备旁边的复选框,然后选择操作>管理智能许可证>注册。

| ≡ 🚓 DNA Center | Tools / License Manager 🛧 Q | 0 Q A 🖛 | | | | | |
|--|---|------------------------------|--|--|--|--|--|
| Overview Licenses Devices | Reporting Sync Status | | | | | | |
| Q, Search Herarchy | Some of your license compliance requirements have not been met. Learn more. | | | | | | |
| ~ 0 Global | Q Cirobal | | | | | | |
| O Unassigned Devices A Absar test | (i) Three (3) Information Alerts on this page. Expand to see details. | × | | | | | |
| > di Adryabit. > di Area1 > di Azetrala | Devices (15) License Level - All - | 0 | | | | | |
| > @ Diahay Test | Q. Filter by Device Name. Use colume filters to filter by other attributes. | ∇ | | | | | |
| ull Gautami all Gautami-Teor > di India | Selected Actions A 'F Upload CDV' Oruce Fundy IP Address Charge License > Device Fundy IP Address | Al of Ool 18, 2023 3 AB PM | | | | | |
| > di Mexico > di test27 | Charge Vitual Account 51 Switches and Hubs 10,197,214,39 | Cloce Cetalyst 3750 Series ! | | | | | |
| A TEST | Manage Smart Loense > Register Manage Loense Reservation > December / Decem | Cisco Catalyst 3850 Series I | | | | | |
| | Deposit Traditional Licenses 51 Switches and Hubs 10.88.134.47 | Cisco Catalyst 3850 Series I | | | | | |

第五步:选择存放相应许可证的虚拟帐户,然后单击继续。

| CMADT | ACCOUNT | | |
|-------|-----------------------|-------------------------|---|
| Name | Cisco Systems, TAC | Domain tac.cisco.c | om |
| Q | Search Table | | |
| | Name • | Cisco DNA License Count | Description |
| 0 | Bangalore DNAC TAC | 0 | DNAC TAC-POD's Device Licenses are deposited here. |
| 0 | NMS | 0 | |
| | | | |
| | | | |
| | | Showing 2 of 2 | |
| | | Cancel | antinue |

第六步:Cisco Catalyst Center会提示是立即应用更改还是稍后应用更改。选择所需的选项并单击 Confirm。

Register Smart License

Registering 1 device(s) to Bangalore DNAC TAC



License mode update

Register Smart License

Cancel

Confirm

场景2:通过Cisco Catalyst Center许可证管理器注册设备许可证:CSLU报告工作流 程

- On DNA Center release 2.2.1.0 and devices running 17.3.2 or higher:
 - Devices are no longer required to get registered with CSSM
 - License usage information will be stored in a secured location on the device
 RUM or Usage Reports
 - Now, Cisco DNA Center is going to pull the reports and upload it to CSSM
 - Uploads can be done periodically or on demand basis
 - · CSSM go through reports and make the respective updates on Virtual Account
 - After that, CSSM is going to sent and Acknowledge to DNAC if report is good
 - Finally, Cisco DNA Center is going to update the license status on GUI and on the Device itself
 - Cisco DNA Center can generate PDF reports for users

先决条件

思科Catalyst中心

- Cisco Catalyst Center必须在版本2.2.1.0及更高版本上运行。
- Cisco Catalyst Center必须能够与CSSM门户通信,并且能够访问tools.cisco.com。
- 必须在Catalyst Center上选择正确的SSM连接模式。自Catalyst Center 2.3.5.5版起,CSLU工作流程不适用于本地CSSM(卫星服务器)。
- CSLU工作流程不适用于AireOS无线控制器(型号:3504、5520、8540)。

网络设备

- 设备必须运行在Cisco IOS® XE 17.3.2或更高版本上,并且闪存中必须有足够的空间来提供 Rum报告。
- 设备必须已配置netconf-yang型号,并且Cisco Catalyst Center必须能够通过Netconf端口 830与设备通信。

要验证,请执行以下操作:

show run | sec netconf-yang

i.在Cisco Catalyst Center上发现设备期间,必须启用凭据部分下的Netconf参数。

Ciaco DNA Center

Discover Devices



ii.如果在设备发现时未启用Netconf参数,请使用Cisco Catalyst Center资产清单中的编辑设备选项启用该参数。

| Edit Devid | e | | |
|--|---|--|---|
| Credentials | Management IP | Resync Interval | Device Role |
| SNMP* | | | |
| SNMP Retr | ies and Timeout* | | |
| HTTP(S) | | | |
| NETCONF | | | |
| Port | | | |
| 830 | | | |
| Service States | | Hive | |
| NETCONI Catalyst 900 to C9800 Sr | F with user privilege 15 30 series Switches and (aries Wireless Controller | is mandatory for enable C9800 Series Wireless (s as the majority of dat | ng Wireless Services on Wireless capable devices such as Controllers. The NETCONF credentials are required to connect a collection is done using NETCONF for these Devices. |

• 设备必须安装sdn-network-infra-iwan信任点;此操作由Cisco Catalyst Center完成。

要验证,请执行以下操作:

show crypto pki trustpoint sdn-network-infra-iwan(用于检查信任点)

show crypto pki certificates verbose sdn-network-infra-iwan(用于详细检查信任点)

• 如果未安装sdn-network-infra-iwan信任点,请执行以下步骤:

步骤1:通过管理员凭证或具有超级管理员权限的自定义角色登录到Cisco Catalyst Center。

第二步:导航到汉堡,然后选择调配>库存。

第三步:选择要安装信任点的设备,点击操作>遥测>更新遥测设置。

| Clace DNA Center | Provisio | n / Network Devices / Inventory | Andrea Novel 👝 🔍 🗇 🖒 |
|---|---|--|--|
| memory Pug and Pay Inco | angles (cor | | |
| Q Banch Herarchy | To provide a subscriptions on decises that have not be Configuration Point aption. | eet decovered with MC10DW, reductiver the devices with NC10DW, and u | plate the Tenetuatry Settings with the z force $\qquad \times$ |
| < di Georgi | | 💡 Giobal | 1 5 W |
| Dramstyred Devices dr Indu dr Indu dr Indu | Total Contractory - Viter | Net a floor 1 financial | Aud Soll for A Spect. (Charteen |
| | Bentes Rame - IF Ad forbarra image | Reschelling () Bolt Burker () Monopolitika () Campba | and and the set of the |
| | 0 190-1.4 and 0 192- Processor | 3 * Announ - A Tabel - Manageri - Manageri | Instat 10 |
| | Telenetry | 3 Enable Application Technology | |
| | Quorica: Baplacarte | etc. 3 Disative Application Television | |
| | Others Comptience | Contain Terranamy Settings | |

第四步:选择Force Configuration Push并单击Next

| Update Telemetry Settings | | | × |
|------------------------------|--|--|---|
| Force Configuration Push () | | | |
| GLOBAL/INDIA/BANGALORE/BGL14 | 9500-1.dr.com The following settings will be de | eployed during assignment to site. | |
| 9500-1.dr.com | Syslog Server Netflow Collector Cisco TrustSec (CTS) Credentials Wireless Streaming Telemetry SNMP Trap Receiver DTLS Ciphersuite AP Impersonation | Cisco DNA Center Cisco DNA Center Yes Yes Cisco DNA Center Skipped Enabled | |
| | Cisco TrustSec (CTS) Credentials Syslog Level Controller Certificates | Yes 6 - Information Messages Yes | |
| | | Cancel Next | |

第五步:选择Now,然后单击Apply。 这对生产没有影响。

| Update Telemetry Settings | × |
|--|---|
| Now OLater Creates configuration preview Creates preview which can be later used to deploy on selected devices. View status in Work Items Task Name* Update Telementry Settings Task | |
| Clancel Back Apply | |

如果满足所有前提条件,则执行以下后续步骤以执行报告工作流程:

步骤1:通过管理员凭证或具有超级管理员权限的自定义角色登录到Cisco Catalyst Center。

Cisco DNA Center



第二步:导航到汉堡,然后选择工具>许可证管理器。

第三步:选择报告选项卡并找到智能许可证合规性Dashlet;点击Dashlet以启动工作流。

Cisco DNA Center Tools / License Manager Overview Licenses Devices Reporting. Sync Status Q Search Hierarchy Some of your license compliance requirements have not been met. Learn more. Search Help d) Global Available Workflows @ Recent Workflows Unassigned Devices Smart License Compliance > <0 India 5 device(s) are ready right now for streamlined > 40 test licensing updates.

第四步:选择存储设备许可证的智能帐户和虚拟帐户,然后单击下一步。

| E Clace DNA Center | Smart License Compliance | 0000 | | | | | |
|--|--|------|--|--|--|--|--|
| Select Smart Accou | int | | | | | | |
| Oncose the Smart account or Virtual be utilized, you may associate device | Choose the Smart account or Virtual Account which these Network Devices will be associated with. If multiple accounts need to be utilized, you may associate devices by site or by selection later. | | | | | | |
| Statute lan. Darlad on Casardor 128 2003, 4.10 | | | | | | | |
| Subject Accounts | | | | | | | |
| Smart Ressource Cracte Bystema, 1840 | w. | | | | | | |
| Securit Account?" Bengatore GRAG TAG | | | | | | | |
| | | | | | | | |
| | | | | | | | |

🕤 🖬 🛛 All changes const

Next

第五步:选择要报告其许可证利用率的设备。

Smart License Compliance

9.000

Choose Sites and Devices

There are 8 network device(3) across several sites which are running IOS 17.3.3 or preseter. You can choose to link all of them right now, or just a subset. If you con't link with the Cisco Smart Software manager now, you may tink at any time later.

| A second second second | | | | | | | | 0 0 |
|------------------------|-------|----------------------------|----------------------------|--|---------------|---------------|------------------|------------------------------|
| Search Researching | -0 | Search Table | | | | | | 7 |
| v a cose | | Destina Name 1 | Barriss Parally | Bearlos Sarlas | P.Mdraw | Scheen Vestor | Ones (PA) Downes | Lost Nanovel |
| 3 di tota 3 di tota | • | 8500-1.4haam | (1. Devisions and Holes | Gaus Catalyst 2000 Sarian Switchen | 178.78.986.8 | 12.6.1 | Advantage | December 6, 2023 4:27 PM |
| | 0 | Auton-1.dc.com | Anotara | Once KOO Series Integrated Services Routers | 101343463 | 0.33 | NUK. | November 18, 2023 8:08 AM |
| | 0 | Naise-2.4 com | + hovers | Class 4000 Sarles Integrated Services Routers | 17219.000.10 | 12.4.4 | 145 | 54 |
| | 0 | pod7-1200-1.8.com | :1 Sectores and Hubs | Once Catalyst 1000 Daries Switches | 121310-004 | 11.3.8 | Advantage | 3.4 |
| | 0 | pmd7~1000- stack.ak.com | (2. Dects/see and Hube | Once Genetyet 1000 Series Switchen | 17214.0067 | 12.6.1 | Advantaget | 5.6 |
| | 0 | 1963) - 40 com 2 colo | A Workers Controller | Onco Cetalyst 1603 Series Windows Controllers | 123.208.206.1 | 17.8.3 | Advertige | 84 |
| | 5.760 | | | | | | Shoe Records | 8 × 1+1 (0) |
| 0.04 At changes sense | | | | | | | | hert. Next |

第六步:如果需要,请修改报告间隔。

| = | Cisco D | NA Center | Smart License Compliance | 0000 |
|-----|-----------------|-----------------------------------|--|--|
| Ν | lodify I | Policy | | |
| Th | e policy def | ines how often the network device | (s) will report their feature usage. It overrides the default policy whi | th enables only the core functionality on each device. |
| PO | UCY SETTIN | 65 | | |
| 10 | ity Name | | | |
| Pet | kry Descriptio | in NA | | |
| Po | Sey Version | | | |
| 50 | Investory the | Cieco Systema, TAC | | |
| Re | porting interve | al 30 Days ModPy | | |
| 05 | SM POLICY | | | |
| I) | (ALCORNED) | First Report Within | Report Usage Every Report | t Ahter Useger Chenge |
| | | | No data to display | |

步骤 7.查看设备摘要并点击下一步以触发报告。

| E Cisco DNA Ci | enter | Smart License Comp | ilance | | Q. (5 | 00 |
|---|--|--|--------------------------|-----------------|-------------------|----------|
| Sync Data w | vith Cisco | | | | | |
| When you click "Next" A report will be gener | Cisco DNA Center is going ated once that completes. | to retrieve the usage data from the device(x |) and then send the data | to CSSM. | | |
| Submitting Device | 15 | | | | | 0 |
| Q Search Table | | | | | | ∇ |
| Orvice Name * | Device Family | Design Series | P Address | Software Newton | Class ONA Liganae | |
| 9500-1.dr.com | ;1 Switches and Hubs | Cisco Catalyst 9500 Series Switches | 172.19.100.3 | 12.6.1 | Advantage | |

E Cisco DNA Center

- 4475

Summary

These are the following operations performed in this flow.

Syncing Data

Sending device license usage data to CSSM. The time taken to sync this data depends on the size of usage data and number of requests gueued for processing on CSSM.

| 100 | 1.100 | 100 | |
|--|-----------------------|---|--|
| A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE OWNE OWNER OWNE | | An and the second se second second se | |
| A second s | a contraction of the | C. Britshell | |
| the second secon | the second processing | | |

| - 🔶 Fetching Usege | Report | |
|--------------------|-------------------|---|
| Desites - | | Tota |
| 9500-1.4 | xom(172.19.100.3) | Usege consumption report collected from device successfully |

E Cisco DNA Center

Smart License Compliance

Summary

These are the following operations performed in this flow.

Syncing Data

Sending device license usage data to CSSM. The time taken to sync this data depends on the size of usage data and number of requests queued for processing on CSSM.

Overall Sync Progress

| | | 015. |
|-------|-----------------------------|--|
| • | fetching Usage Report | |
| - 🛉 - | Jploading Usage Report | |
| | | |
| | Ownite · | Tortus |
| | 9500-1.ak.oum(172.19.100.3) | Usage consumption report uploaded to Cisco ISM cloud, waiting for acknowledgement. |

Summary

These are the following operations performed in this flow.

Syncing Data

Sending device license usage data to CSSM. The time taken to sync this data depends on the size of usage data and number of requests queued for processing on CSSM.

Overall Sync Progress

| - | | | 0 |
|---|---|------------------------------|---|
| 2 | 0 | Fetching Usage Report | |
| 5 | • | Uploading Usage Report | |
| 5 | | Provisioning Acknowledgement | |
| | | | |

场景3:虚拟帐户之间的许可证迁移

步骤1:通过管理员凭证或具有超级管理员权限的自定义角色登录到Cisco Catalyst Center。

第二步:登录software.cisco.com并选择Manage Licenses。



Track and manage your learness. Convert traditional loonses to Smart Licenses.

Manage Sceness 3

Diseniousl new software or updates to your current software.

Access downloads (3)

Access LRP 3

device licenses, including-demo licenses

第三步:导航到资产并选择源虚拟帐户。

Cisco Software Central > Smart Software Licensing

Smart Software Licensing

| Alerts Invent | ory C | Convert to Smart Licensing | Reports Preferen | ces On-Prem Accounts Activity |
|-----------------|----------|----------------------------|-----------------------|--|
| Virtual Acco | ount: T | AC Cisco System | s, Inc 🕶 | |
| €+On-Pren | n Virt | | By Name By Tag | |
| General | Liot | | | |
| Mature A. | | 6 node cluster | 333 38 (2) | |
| Virtual Ac | coum | AMM-ARCH-ONPREM | 8 3 | |
| Description | | Bangalore DNAC TAC | 02 | |
| Virtual Acco | ount Typ | deleted3 | | |
| | | RTP-CX2 | 0 1 | |
| Product In | nstan | sdwan-lab | 3 | |
| 🚹 Becau | se this | sindhrao | • | tellite*, all product instance registration tokens must be g |
| | | TAC Cisco Systems, Inc. | - 039 | |
| | | | TAC Cisco Systems, | Inc |

第四步:选择License选项卡,然后选择Target Virtual Account。

Cisco Software Central > Smart Software Licensing

Smart Software Licensing

| Alerts Inventory Convert to Smart Licensing Reports Preferences On-Prem Accounts Activity | | | | | | | |
|---|--|---|--|--|--|--|--|
| Virtual Account: TAC | Cisco Systems, Inc ccount (cats-satellite | ··· • | | | | | |
| General Licenses | Product Instances | Event Log | | | | | |
| Transfer Licenses | Between Virtual Ac | counts | | | | | |
| Transfer To | Virtual Account: 8 | elect Virtual Account 👻 | | | | | |
| License | Billi | By Name By Tag | | | | | |
| Transfer Show P | review Cancel | 6 node cluster AMM-ARCH-ONPREM Bangalore DNAC TAC deleted3 RTP-CX2 sdwan-lab sindhrao Yazan Bikawi | | | | | |

第五步:选择要转移的许可证,然后点击操作和选择转移。

| Cross Software Central + Smart Bothea Smart Software Licer | nsing | | | | | | SL Produ | Cisco Systems, THC 2 Details Support He |
|--|---|-------------------|--------------|--------------|---------|-------|------------------|--|
| Aarts Enventory Convert to Sma | Automang Reports Prefer | nas On Pren Acc | ouns Actua | br. | | | | |
| Virtual Account: TAC Claco Re-On-Prem Virtual Account General Licenses Pro | Systems, Inc • I (cats-satellite) educt instances Event Log | | | | | G | Magor 😗 Ma | or Hide Alerta |
| Contract Color of C | | a l | | | | | By? | tame By Top |
| License | biing | Available to Use | in Use | Substitution | Balance | Alets | , | duarced Search + |
| CIGO tenios Advantage | Prepaid | 0 | 1 | | 4 | • | ficient Licenses | Addres + |
| Oit-tee | Prepaid | 10 | 0 | | +10 | Tura | | Actions = |

第六步:选择要转移的许可证数量,然后单击转移。

| frtual Aco (=On-Prer | ount: TAC C m Virtual Acc | isco Systems, Inc count (cats-satelli | w) | | | | O Major O M | Hide Alerts |
|-------------------------------------|------------------------------|--|--|---|--------|---------|---------------|-------------|
| General | Licenses | Product Instances | EventLog | | | | | |
| Transfer | Licenses B | Vitual Account | Accounts Bengalane DNAG TA | - | | | | |
| Lisense | | 848 | ng | Purchased | in Use | Balance | | Transfer |
| $\mathrm{GM}_{*} \circ \mathrm{Bu}$ | 194 | Pre | paid | 10 | 0 | 50 | | 1 |
| Source: Subscrip | Marusi E fion Id: NA | ney | Shu: Family: Start Dat Explore: | CALL-ENT-BASE Learning at Cloco Software Products 2029-349-03 2029-349-02 | | 10 | | 10 |
| Tanalar | Show Pre | view Canoel | | | | | | |

场景4:智能帐户之间的许可证迁移

许可证在不同智能帐户之间迁移可由思科许可团队完成。请参阅以下这些后续步骤,向相关团队提 出问题。

步骤1:使用思科凭证登录<u>https://mycase.cloudapps.cisco.com/case?swl</u>。

第二步:点击新案例,选择软件许可>扩展许可证管理>选择移动许可证。然后选择Reassign licenses between SA并点击Open Case。

| Support Case Manager Create and manage Support cases for Akinchan Matrix (akinistraticiaco.com) + | |
|--|--|
| Cycen New Case v Composition of Products & Bandons Composition of Products & Bandons Composition of Products & Bandons < | |

第三步:选择相关产品(例如无线、交换等),填写表格,然后提交请求。

| Support Case Manager Create and manager Support cases for Astronom Manager | | |
|--|---|-----------------------------------|
| * > Crustion crist Software Licensing | Named help with your case? | Chat Name |
| Category Resealige Reamen between SA, including HA, change | | |
| Select a Product | | |
| Trite | | |
| | | |
| Scill chemisters Problem Description Problem Description The scheme and open a case-to using the Trochem & Services Company, One the message anticepts in the scheme (Service), National Account (Service), National Account (Service), One the message anticepts at the scheme (Service), National Account (Service), Nat | racial places provide the defacts of prov | (CONTR) record below and industry |
| Describe the laws you are experiencing . | | |
| CODE descents | | |
| Consert Account Dismain Dr | | |
| | | |
| | | |

场景5:SSM连接模式更改

步骤1:通过admin凭证或具有超级管理员权限的自定义角色登录到Cisco Catalyst Center。

第二步:导航到汉堡,然后选择系统>设置。

Cisco DNA Center



第三步:选择SSM Connection Mode并选择所需的选项(Direct/Smart Proxy/On-Prem)。Click Save.

Clsco DNA Center

System / Settings

| ¹¹ Search Settings | Settings / CountAccounts | |
|--|--|--|
| Grace Accounts PriP Connect Cisco.com Credentiats Smart Account Smart Licensing SSM Connection Mode | SSM Connection Mode Direct connection mode requires all smart-enabled devices in your network to have direct Internet access to the Clicco SSM cloud. On-Prem Clicco Smart Software Manager (formerly known as Clicco Smart Software Manager satellite) connection mode offers near real-time visibility and reporting of the Clicco licenses you purchase and consume. If your organization is security-sensitive, you can access a subset of Clicco SSM functionality without using a direct internet connection to manage your licenses with the Clicco SSM cloud. | |
| Device Settings Device Controllability Network Respire Interval SNMP ICMP Ping Image Distribution Servers | With smart proxy connection mode, smart-enabled devices in your network don't need direct internet access; only the product instance requires direct internet access to the Cisco SSM cloud. This option is not applicable for registering Cisco DNA Center. | |

场景6:智能帐户与Cisco Catalyst Center的集成

步骤1:通过管理员凭证或具有超级管理员权限的自定义角色登录到Cisco Catalyst Center。

第二步:导航到汉堡,然后选择系统>设置。

Cisco DNA Center

| 00 | Design | > | System 360 |
|--------|------------|---|--------------------------|
| °₩ | Policy | > | Settings |
| Ŗ | Provision | > | Settings Data Plauorm |
| | Assurance | > | System Health |
| R | Workflows | | Users & Roles |
| 2.4 | Tools | 、 | Backup & Restore |
| ~ | Distant | | Software Management |
| ی م | Platform | > | Disaster Recovery |
| B | Activities | | |
| E | Reports | | |
| ŝ | System | > | |
| | Explore | | |
| | | | |

第三步:在智能帐户下,单击添加。



第四步:输入智能帐户用户名和密码,然后单击保存。

| Username | | |
|----------|------|--|
| akimishr | | |
| | | |
| Password | SHOW | |
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Save

Cancel

:如果您有多个智能帐户,请选择一个帐户作为默认值。许可证管理器使用默认帐户进行 可视化和许可操作。

场景7:许可证级别更改

步骤1:通过管理员凭证或具有超级管理员权限的自定义角色登录到Cisco Catalyst Center。

第二步:导航到汉堡,然后选择工具>许可证管理器。

| Cisco DNA Center | | |
|------------------------------------|---|---------------------|
| Design | > | Discovery |
| ⁰ ∏ ⁰ Policy | > | Topology |
| 另 Provision | > | Command Runner |
| ~ Assurance | > | License Manager |
| - Workflows | | Template Editor |
| | | Model Config Editor |
| % Tools | > | Wide Area Bonjour |
| ි Platform | > | Security Advisories |
| 分 Activities | | Network Reasoner |
| E Reports | | |
| 诊 System | > | |
| Explore | | |

第三步:选择Devices选项卡,使用Find或滚动表以查找要更改其许可证级别的设备。

| E Glace DNA Center | r | | | Tools J Licens | e Munager | | | 0000 |
|-------------------------------|---------|-----------------------------------|---------------------------------|----------------|--|-------------------|--------------------|---------------|
| Owners Loren 1 | besides | Reporting Sync Status | | | | | | |
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| - A-5084 | | Q. Film by Device Name, the other | - Nors to fine by other strikes | | | | | |
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| | | D MACHINA | à minute descelle | 10.106.00.001 | Once 2008 Series Weeken U.O. Darcular | - | 1.4 | 1010 |

第四步:选中要更改其许可证级别的每个设备旁边的复选框,然后选择操作>更改思科DNA许可证

| 0 | | | | | |
|----------------------------|---|------------------|--------------------------|----------------------|----|
| E Classe DNA Center | Tools / License Menager | | | 0000 | |
| Denter Lorse Device | Reporting Dana Dana | | | | |
| (), Search Harwards (1997) | Devices (ID | | | | 1 |
| v A-boost | Q. Her is balance have. One others Her is the system activate. | | | 7 | |
| Considered Devices | Discourse 42 Examine Advantage Avantar Linese Web 20 201 E. | | | | |
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| | Overprinned Account O | - 10 | 54 | B | |
| | Wonage State Literal 2 Manage Literal According 2 Manage Literal Resonance 2 | 10. | 55 | н. | |
| | Dagenet Traditional Liberates where Querouter 10, 100, 45, 201 Classe 2000 Series Witeman LAN Converter | 100. | ** | 479 | |

第五步:点击Essentials或Advantage设备的许可证级别。然后单击Continue。

| Change Cisco DNA License Level | × |
|--|---|
| Oevice Family 2 License Level 3 Confirm | |
| Change Cisco DNA License Level to: O Remove O Essentials S Advantage Cancel Continue | |

第六步:Cisco Catalyst Center会提示是立即应用更改还是稍后应用更改。选择所需的选项并单击 Confirm。

| Cł | ange Cisco DNA License Level |) |
|--|---|--------------|
| Device Family | License Level 3 Confirm | |
| Cisco DNA License for 1 | evice(s) will be activated to Advantage. | |
| Note: Network license may be License change will take effect reboot even after selecting this | pgraded to Advantage for applicable devices. only after the device rebooted. Some devices like CAT3560-CX, AireOS controlle checkbox. | ers will not |
| Note: Network license may be License change will take effect reboot even after selecting this | pgraded to Advantage for applicable devices. only after the device rebooted. Some devices like CAT3560-CX, AireOS controlle checkbox. | ers will not |
| Note: Network license may be License change will take effect reboot even after selecting this Reboot device on update | pgraded to Advantage for applicable devices. only after the device rebooted. Some devices like CAT3560-CX, AireOS controlls checkbox. | ers will not |



注意:还必须选择Reboot device on update选项,以使更改生效。此外,本练习需要在停 机时间内执行。

相关信息

• <u>思科技术支持和下载</u>

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