在Intersight PVA上配置许可证保留的更新和返回

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简介

本文档介绍安装Intersight专用虚拟设备(PVA)后更新和返回许可证的过程。它不包括安装过程中所需的初始预留过程。

先决条件

要求

Cisco建议您对Intersight PVA有基本的了解。

使用的组件

本文档中的信息基于以下软件版本:

- Intersight PVA版本1.0.9-442
- 智能软件许可访问

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

Intersight PVA适用于在断开(气隙)模式下运行数据中心的环境。因此,要安装许可证,您必须使

用特定许可证保留(SLR),这是高度安全的网络的一项功能。它为客户提供了一种在设备(产品实例)上部署软件许可证的方法,而无需向思科传达使用信息。

配置

更新许可证保留

登录您的思科智<u>能软件管理器,导</u>航到正确的虚拟帐户,选择**产品实例**选项卡,并确定您的帐户 ID。

提示:要在Intersight上识别您的帐户ID,请导航到设置>常规>帐户详细信息

Settings			ſ
GENERAL	Account Details		
Account Details			
Access Details	Account Name	admin	
Notifications	Account ID	62e152977564612d300bba	03
Appliance	Access Link	https://	ß
Backup	Defeuit Mie Timeout	30m	
Banner Message	Manimum Opposite Consistent and Man	30m	
Software	Maximum Concurrent Sessions per User	32 sessions	
	Default Session Timeout	16h	

从Actions下拉菜单中,选择Update Reserved Licenses。

isco Software Central > Smart Software Licensing				Cisco Systems, TAC Support Help
erts Inventory Convert to Smart Licensing Rep	orts Preferences On-Prem Ac	counts Activity		
General Licenses Product Instances	Event Log		Major	8 Minor Hide Alerts
Authorize License-Enforced Features			Search by Device or by Product Type	٩
Name	Product Type	Last Contact	Alerts	Actions
62dae	DCMSAAS	2022-Aug-01 18:33	:41 (Reserved Licenses)	Actions -
62e152977564612d300bba03	DCMSAAS	2022-Aug-02 18:43:	:36 (Reserved Licenses)	Actions 👻
			စ္	Transfer Update Reserved Licenses Remove Rehost Licenses from a Failed Product

系统将显示更新许可证保留向导。

步骤1.选择许可证

显示过去所做的保留。在此页面上,您可以更新预留数量。在本例中,我们将许可证数量更新为3。

注意:更新许可证保留计数后,Next按钮将灰显,直到您单击屏幕上的任意位置。

Update License Reservation			×
STEP 1 Select Licenses	STEP 2 Review and Confirm	S	TEP 3
Product Instance Details Product Type: DCMSAAS SUVI: 62e15297756	1612d300bba03		^
Licenses to Reserve In order to continue, ensure that you have a surplus of the lice Reserve a specific license	nses you want to reserve in the Virtual Account.		
License	Expires F	urchased Available	Reserve
Level2 Supports substitution			
Intersight Private Virtual Appliance - AD Intersight Private Virtual Appliance - Advantage	2022-Oct-31	3 0	3
Level 3			
Intersight Private Virtual Appliance - ES Intersight Private Virtual Appliance - Essentials		1 0	0
			~
			Cancel Next

步骤2.检查并确认

验证许可证层和数量是否正确,然后选择Generate Authorization Code。

Upda	ate License Reservation							×
	STEP 1 🗸			STEP 2 Review and Confirm			STEP 3 Authorization Code	
P	roduct Instance Details Product Type: SUVI: icenses to Reserve	DCMSAAS 62e1529775646	612d300bba03					
	License				Expires	Qu	uantity to Reserve	
	Level 2 Intersight Private Virtual Appliance - AD Intersight Private Virtual Appliance - Advantage				2022-Oct-31	3		
						Cance	el Back Generate Authoriz	ation Code

步骤3.授权码

在此页面上,您必须复制授权码,以便生成确认码以完成更新。生成确认代码可能需要几分钟时间 。因此,一旦您拥有了授权码,您就可以关闭向导了,如下图所示。

Update License Reservation		×
step 1 🗸	STEP 2 ~	STEP 3
Select Licenses	Review and Confirm	Authorization Code
The Reservation Authorization Code below has been get 1. This code must be entered into the Product Instance's 2. When the code has been entered, a Reservation Com 3. To release licenses in transition, enter confirmation of	enerated for this product instance. Several steps remain: s Smart Licensing settings to complete the reservation. firmation Code will be generated. ode generated by device into CSSM.	
Authorization Code:		
<pre><specificplr><authorizationcode><flag>A</flag><version>(<entitlement>-stag>regid_2020-02.com.cisco.DC_MGT_PVAP <enddate>2022-Oct-31 UTC</enddate>ticenseType>TERk Appliance - Advantage<subscriptionid><signature> </signature></subscriptionid></entitlement></version></authorizationcode></specificplr></pre>	C <plid> </plid> <tir P_AD_1.0_d7: IiIiIiubscriptionID></tir 	nestamp>1659479688844 <tlimestamp><entillements> <startdate>2022-Aug-02 UTC</startdate> D<tagdescription>Intersight Private Virtual </tagdescription></entillements></tlimestamp>
To learn how to enter this code, see the configuration guide for	the product being licensed	
	Download as File	Copy to Clipboard Enter Confirmation Code Close

登录您的Intersight PVA并导航到**设置>许可**。从Actions下**拉**菜单中,选择Update License。

Licensing						⊙ admin <u>A</u>
						Actions 🗸
Subscription	Products					Set Products
Last Heddald C Aug 2 2022 32-45 Dat						Update License
Last updated 🕤 Aug 2, 2022 12:46 PM	Intersight					Return License
	Essentials	Advantage	Premier			
	Adds more detailed visibility, configuration, and compliance for your UCS and HyperFlex systems.	Adds more advanced analytics and automation for Clisco infrastructure.	Adds rich infrastructure automation capabilities for Cisco and non- Cisco infrastructure.			

粘贴从智能许可门户获取的保留代码,然后选择**生成保留确认代码**。Intersight提供代码后,将其复 制到剪贴板。

Ste Uj Up	ep 1 pdate License date the license information for your appliance	<u>.</u>
Obtain Reservation Software Manager	Authorization Code from Cisco Smart to generate Reservation Confirmation Code.	
Reservation Authorization	I Code *	
<pre><specificplr><author <version="">C </author></specificplr></pre>	izationCode> <flag>A</flag> <piid></piid>	▲ ▼
Generate Reservation	Confirmation Code	
Reservation Confirma	tion Code	
Use Reservation Software Mana	n Confirmation Code in Cisco Smart ger to complete the license update.	
Jownload	Copy To Clipboard	

返回**产品实例**选项卡上的智能许可门户,再次确定您的帐户ID,然后从**操作**下拉菜单中选择**输入确 认代码**,如下图所示。

Cisco Software Central > Smart Software Licensing Smart Software Licensing					Cisco Systems, TA	AC elp
Alerts Inventory Convert to Smart Licensing Reports	Preferences On-Prem Accounts	Activity				
General Licenses Product Instances	Event Log			2 Major	9 Minor Hide Alerts	
Authorize License-Enforced Features			Search by Device or by	Product Type	٩	
Name	Product Type	Last Contact		Alerts	Actions	
	DCMSAAS	2022-Aug-01 18:33	:41 (Reserved Licenses)		Actions -	
62e152977564612d300bba03	DCMSAAS	2022-Aug-08 05:09	58 (Reserved Licenses)		Actions 👻	
					Transfer Update Reserved Licensi Enter Confirmation Code Remove Rehost Licenses from a F	es

复制或上载代码以使更新生效,然后选择OK按钮以完成更新过程,如此图所示。

To complete the pending License Reservation, enter the Reservation Confirmation Code that was generated by the Product Instance after the Reservation Authorization Code was installed. • Reservation Confirmation Code:	Enter Confirmation Code	×
	To complete the pending License Reservation, enter the Reservation Confirmation Co was generated by the Product Instance after the Reservation Authorization Code was in	de that nstalled.
	Reservation Confirmation Code:	
Provise Unioan	Browse	ad
	Cance	I OK

退货许可证预留

在Intersight上,导航到**设置>许可**。从**操作**下拉列表中选择**返回许可证**,如下图所示。

요 ○1 & ♀ 않	ා admin යු
	Actions 🗸
	Set Products
	Update License
	Return License

从显示的新窗口中,选择**生成返回代码**。

警告:返回代码的生成立即从Intersight PVA注销许可证。

	Step 1 Return License Complete the license return process.	
Use the Return complete the I reserved until to	Code in Cisco Smart Software Manager to cense deregistration. The licenses will remain his step had been completed.	
Generate Reserval	ion Return Code	

选择Generate以确认弹出窗口中的警报。



生成返回代码可能需要几分钟时间。显示后,复制或下载。

Step 1 Return License Complete the license return process.
• Use the Return Code in Cisco Smart Software Manager to complete the license deregistration. The licenses will remain reserved until this step had been completed.
Generate Reservation Return Code
Reservation Return Code in Cisco Smart Software Manager to
complete the license deregistration. The licenses will remain reserved until this has been completed.
Jownload 🗈 Copy To Clipboard

登录您的思科智<u>能软件管理器,导</u>航到正确的虚拟帐户,然后选择**产品实例**选项卡,识别您的帐户 ID。从**操作**下拉列表中,选择**删除……**

s Inventory Convert to Smart Licensing Rep	orts Preferences On-Prem Acco	ounts Activity		
ual Account: CCS 🔻			2 Major	8 Minor Hide Alerts
Seneral Licenses Product Instances	Event Log			
Authorize License-Enforced Features		Search by Device or	by Product Type	٩
Name	Product Type	Last Contact	Alerts	Actions
	DCMSAAS	2022-Aug-01 18:33:41 (Reserved License	s)	Actions 👻
		2022-Aug-03 04:25:17 (Reserved License	s)	Actions -
62e152977564612d300bba03	DCMSAAS	LULL rug ou on Lo. IT (recorred License		

输入Reservation Return Code并选择Remove Reservation,如下图所示。

si	Remove Reservation	×
	To remove a Product Instance that has reserved licenses and make those licenses once again available to other Product Instances, enter in the Reservation Return Code generated by the Product Instance. If you cannot generate a Reservation Return Code, contact Cisco Support	
ng	Reservation Return Code: C220-Tix 4055P-p-d9p+184Mm-tild2am8Kep- Hidees6-0617444-pCruE64Mmtl	
tz		
	Remove Reservation Cance	

此步骤从您的产品实例中删除Intersight帐户ID,并使许可证再次可用于其他实例。

故障排除

本部分提供了可用于对配置进行故障排除的信息。

Intersight无法生成预留确认代码

当Intersight无法生成保留代码时,请验证所有服务是否正在运行。

通过SSH连接到Intersight PVA,并使用您的管理员帐户登录。从默认菜单中选择选项4。

🖉 inter.mxsvlab.com - PuTTY		_		×
Intersight Appliance Maintenance Shell [No change in deployment size during inst Medium.	Tue Aug 9 12:48:42 2022] all. Current running deployment s	ize i	8	^
Installation complete	~~~~~			
Diagnostics Co [1] Ping a host [a [2] Traceroute a host [b [3] Run connectivity test [d [e [f	nfiguration] Show current network configurat] Configure network settings] Restart services installation] Run Debug shell (Cisco TAC only] Configure Logon Banner] Generate and Upload Tech Suppor	ion r) rt		l
Maintenance [4] Show system services status [5] Restart system services [6] Reboot virtual appliance node				
<pre>[.] Exit Choice #1->4 System Services: Running 101 Pending 0 Error 0 Tota</pre>	1 101			
Intersight Appliance Maintenance Shell [No change in deployment size during inst Medium.	Tue Aug 9 12:49:04 2022] all. Current running deployment s	ize i	3	~

如果第一次尝试失败后,下一次尝试自动失败,请使用**重新启动系统**服务(选项5)。此过程可能 需要几分钟时间,您必须使用选项4进行监控,直到所有服务都启动。

Intersight无法生成返回代码

当Intersight无法生成返回代码时,导航至<u>https://[FQDN]/apidocs/introduction/overview/</u> and select API Reference tab.

搜索license/LicenseReservationOps资源并使用API调用GET /api/v1/license/LicenseReservationOps。

从输出中**验证{"GenerateReturnCode":status}**,如果为false**,请重**试生成返回代码。



如果GenerateReturnCode设置为**True**,而Intersight无法生成它,请复制MOID并使用API Call **POST /api/v1/license/LicenseReservationOps/{Moid}。**

将MOID粘贴到所需字段并设置{"GenerateReturnCode":false}。等到完成200 Success。

cisco Intersight Developer Center	Guides API Reference Downloads	Support	🕆 admin 🕰
API Reference v1.0.11-7078	Post Update a Ticense License ReservationOp/ resource. REST Client	REST Client	
$Q_{s} \text{licenseR} \qquad \qquad \times$	Parameters Request Model Response Model	POST /api/v1/license/LicenseReservationOps/(Mold)	
license/LicenseReservationOps	Moid (string) puth	(Mold) * 62e15br Passe MOID	
Ticense LicenseReservationOp/ resource. Create a	The unique Moid identifier of a resource instance.		
Ticense LicenseReservationOp' resource. Read a	If-Match (string) header	1 (("GenerateReturnCode":falso)	г
Gerra LicenseReservationOp' resource. Update a Pource. Update a Pource. Update a Pource. Update a Pource. Update a	For methods that apply server-side changes, and in particular for PUT, If-Match can be used to prevent the lost update problem. It can check if the modification of a resource that the user wants to update will not overnide andher change that has been done since the endphal resource was sticked. If the request cannot be fulfilled, the 412 (Pixcodion Failed) response is inturned. When modifying a resource using POST or PUT, the if Match theoder must be set to the viake of the resource MotTime property after which no out opdate problem should occur. For example, a client send a GET request to obtain a resource, which includes the ModTime property. The ModTime includes the testimate the resource was created or moddler. The client then ModTime property. The ModTime property. The client the resource was created or moddler.		
resource/LicenseResourceCounts V	sends a POST or PUT request with the it-Match header set to the ModTime property of the resource as obtained in the GET request.	Send 200 Success	
		Response Text Response Info	
		<pre> 1</pre>	r

请刷新Intersight PVA,并重试生成返回代码。

验证

使用本部分可确认配置能否正常运行。

为了验证您的Intersight是否分配了预留,您的Intersight上的许可选项卡必须显示**Last Updated** date。

Licensing		
	Registered	
Subscription		Produc
Last Updated	C Aug 9, 2022 12:12 P	M Inter

要验证您的预留的更多详细信息(例如层数或数量),您可以直接在智能门户上或通过API调用进 行检查:

GET /api/v1/license/LicenseInfos。

在此场景中,我们预订的只有一个Advantage许可证。

-dealer Intersight Developer Center	Guides API Reference Downloads Support	admin 🔔
API Reference v1.0.11-7078	Read a "license LicenseInfo' resource. REST Client C REST Client	
Q, licenseln ×	Parameters Response Model GET /api/v1/license/License/	
laas/Licenselinfos	Stiller (string) Back To Top Filter criteria for the resources to return AURi with a Stiller query option identifies a subset of the entries than the Corection of the Entries The subset is determined by selecting only the Entries That statisty the predicate expression inspace that is used in Stater queries supports references to specific query in Stater queries supports references to specific query in the Stater queries supports references to specific query in the Stater queries supports references to specific query and back to speci	
Read a license Licenseinto' resource. Update a license Licenseinto' resource. Update a license Licenseinto' resource. Instant	Sordestby (string) curry 50 "Classif": "License.LicenseInfo", 60 "CreateTise", "Sor2-07-2715:34:39.8642", 61 Determines what properties are used to sort the collection of resources. 63 "EndTise", "Mobile -01-01109.00:002", 64 "EndTise", "Mobile -01-01109.00:002", 64	
	Stop (integer) Generation Ge	
	Sskip (integer) 21 "LicenseState": "Compilance", Sskip (integer) 22 "LicenseType": "Advantage", Specifies the number of resources to skip in the response. 74 "Notid": " 75 "ObjectType": "LicenseLicenseInfo",	
	76 "Owners": [5select (string) quiry 78 ",",",",",",",",",",",",",",",",",",",	
	B2 "Poidt": "> Sexpand (string) Gamma Sexpand (string) Gamma Specify additional attributes or reliated resources to return in addition to the primary resources. B4 Thermain string in the primary resources. B5 Thermain string in the primary resources. B6 Thermain string in the primary resources. B6	Ŀ
	Sapphy (string.) 0001-01-00100:00202", Spacify one or more transformation operations to perform apprepation on the resources. The transformations are 101 - 22 01 - 1100:001-001-001-001-002002",	

相关信息

- Intersight虚拟设备的许可要求
- <u>技术支持和文档 Cisco Systems</u>