Configure and Manage a Standalone Server from Intersight

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Introduction

This document describes how to claim, create and deploy a UCS Server Profile for a standalone Server.

Prerequisites

Requirements

Components Used

This procedure can be done for M5, M6, and M7 series standalone servers.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

This procedure can be done for M5, M6, and M7 series standalone servers.

Procedure

Navigate to the Cisco IMC web page for the device that can be claimed.

/ Chassis / Sum	mary 🔺			
Server Proper	ties	Cisco Integrated M	Anagement Controller (Cisco IN	MC) Information
Product Name:	UCS C220 M6S	Hostname:	C220-WZP24430N7K	
Serial Number:	WZP24430N7K	IP Address:	10.31.123.34	
PID:	UCSC-C220-M6S	MAC Address:	BC:4A:56:59:3D:FC	
UUID:	3ADAE7CA-DEBC-4118-80E9-F5FCA72545E2	Firmware Version:	4.2(2a)	
BIOS Version:	C220M6.4.2.2d.0.0610220138	Current Time (UTC):	Mon Oct 31 23:36:48 2022	
Description:		Local Time:	Mon Oct 31 23:36:48 2022 UTC +0000 (Local)	
Asset Tag:	Unknown	Timezone:	UTC	Select Timezone
Chassis Statu	s	Server Utilization		
Chassis Statu	S state: • On	Server Utilization	ion (%): N/A	
Chassis Statu Power	S State: On Status: Not-Completed	Server Utilization Overall Utilizat CPU Utilizat	ion (%): N/A	
Chassis Statu Power Post Completion	S state: On Status: Not-Completed Status: Severe Fault	Server Utilization Overall Utilizat CPU Utilizat Memory Utilizat	ion (%): N/A ion (%): N/A	
Chassis Statu Power Post Completion : Overall Server : Tempe	S State: On Status: Not-Completed Status: Severe Fault rature: Good	Server Utilization Overall Utilizat CPU Utilizat Memory Utilizat IO Utilizat	ion (%): N/A ion (%): N/A ion (%): N/A	
Chassis Statu Power Post Completion Overall Server Tempe Overall DIMM	S state: On Status: Not-Completed Status: Severe Fault rature: Good Status: Good	Server Utilization Overall Utilizat CPU Utilizat Memory Utilizat IO Utilizat	ion (%): N/A ion (%): N/A ion (%): N/A	
Chassis Statu Power Post Completion : Overall Server : Tempe Overall DIMM : Power Su	S status: On Status: Not-Completed Status: Severe Fault rature: Good Status: Good pplies: Good	Server Utilization Overall Utilizat CPU Utilizat Memory Utilizat IO Utilizat	ion (%): N/A ion (%): N/A ion (%): N/A	
Chassis Statu Power Post Completion Overall Server Tempe Overall DIMM Power Su	S State: On Status: Not-Completed Status: Severe Fault rature: Good Status: Good pplies: Good Fans: Good	Server Utilization Overall Utilizat CPU Utilizat Memory Utilizat IO Utilizat	ion (%): N/A ion (%): N/A ion (%): N/A	
Chassis Statu Power Post Completion : Overall Server : Tempe Overall DIMM : Power Su Locate	S status: On Status: Not-Completed Status: Severe Fault rature: Good Status: Good pplies: Good Fans: Good r LED: Off	Server Utilization Overall Utilizat CPU Utilizat Memory Utilizat IO Utilizat	ion (%): N/A ion (%): N/A ion (%): N/A	

Server Site

Next, navigate to **Admin > Device Connector**.

	↔ Cisco Integrated Management Controller
	Admin / Device Connector 🔺
Chassis •	The Device Connector is an embedded management controller that enables the capa
Compute	Device Connector
Networking	
Storage •	
Admin 🔻	
User Management	Device Connector
Networking	
Communication Services	A Not Claimed
Security Management	The connection to the Cisco Intersight Portal is successful, but device is still not cla
Event Management	1.0.11-2316
Firmware Management	
Utilities	
Device Connector	

Device Connector

Verify that the Server can reach Intersight Cloud or the Intersight appliance.

Under Settings, modify the Proxy Configuration and Certificate Manager.

Admin / Device Connector	Refresh Host Power Launch XVM	Ping CIMC Reboot Locator LED	0 0
The Device Connector is an embedded management controller that enables the capabilities of Cisco intensight, a cloud-based management platform. For detailed information about configuring the	e device connector, please visit Help Center		
Device Connector	-	🕞 Settings 💭 A	
ACCESS MODEL ALLOW DOWTHON	Cervice W2	* © 2P24430N7K	8
Device Connector	intersignt	9464073EA4	8
A Not Claimed			
The connection to the Gaco Intensight Portal is successful, but device is still not claimed. To claim the device open Cisco Intensight, create a new account and follow the guidance or go to the Ta Claim a New Device for existing account.	rgets page and click Open Intensight		
			_



Proxy configuration

Once the connection to the Cisco Intersight Portal is successful, you can claim the device. To do this, copy both the **Device ID** and **Claim Code** and then log into your Intersight Account.

Device Connector		🔘 Settings 💭 Refresh
Device Connector		Device ID WZP24430N7K E Claim Code E87C363F30E0 E 0
A Not Claimed		
The connection to the Claco intersight Portal is successful, but device is still not claimed. To claim th Claim a New Device for existing account.	e device open Cisco intersight, create a new account and follow the guidance or go to the Targets page and citck	pen terright

Device ID and Claim Code

At the Intersight Portal, navigate to **Admin > Targets**.



Click Claim a New Target.

ADMIN > Targets	C 🛛 298 🔺 250	⊕1 \$P\$ 33 Q,	💿 💿 Jaime Islas Tolentino 🔔
			Claim a New Target
* All Targets () +			
P = AddThee			10 v perpage C C 1 of 3 5 24
Connected 5 IN Not Connected 15 Vendor Connected 5 IN Not Connected 15 Vendor Connected 5			

Claim a New Target

Under Compute/Fabric, select Cisco UCS Server (Standalone) and click Start.

	Select Target Type	
Filters	Q Search	
Valiable for Claiming	Compute / Fabric	
Categories	→ cisco Cisco UCS Server (Standalone) Cisco UCS Domain (Intersight Managed) HPE OneView	
Cloud		
Compute / Fabric Hyperconverged Hyperconverged	Image: Cisco UCS Domain (UCSM Managed) Image: Cisco UCS C890 Redfish Server	
Network		

Cisco UCS Server

On the **General** page, paste both the **Device ID** and the **Claim Code**.

If you select the **Resource Group**, you can specify the **Organizations** to add the device to. This is not mandatory.

By default, the **Resource Group** = **All**.

Click Claim.

				ۍ ا	Claim Cisco ((Standalone) To claim your target Code and select the	JCS Server Target , provide the Device ID, Claim appropriate Resource Groups.					
Gener	nat										
Device WZP:	e ID * 24430N7K		Claim Code * F6A6893E26	82							0
Resou	urce Groups										
•	Select the Resource G type 'AIT.	roups if required. Hov	vever, this selection	is not mandatory	as one or more Resour	ce Group type is 'AI'. The claime	rd target wil	l be part of all Organ	izations with	of 1 D D	iroup
•	Select the Resource G type 'AIF.	roups if required. How Usage	vever, this selection	is not mandatory	as one or more Resour	ce Group type is 'All'. The claime 1 items Description	found	l be part of all Organ	C C 1	of 1 🗩 🗵	iroup
	Select the Resource G type 'AI'. Name IMM rg	Usage	vever, this selection	is not mandatory	as one or more Resour	ce Group type is 'All'. The claime 1 items Description	found	10 v per page [C C 1	of 1 > >	iroup
	Select the Resource G type 'AI'. Name IMM rg	Usage	vever, this selection	is not mandatory	as one or more Resour	ce Group type is 'All'. The claime 1 items Description	found	10 v per page [izations with	ef1))	irosp O N
	Select the Resource G type 'AI'. Name IMM-rg	Usage	ever, this selection	is not mandatory	as one or more Resour	ce Group type is 'All'. The claime 1 items Description	found	10 v per page (izations with	of1 > 1	iroup ©
	Select the Resource G type 'AIF. Name IMM rg	Usage	ever, this selection	is not mandatory	as one or more Resour	ce Group type is 'All'. The claime 1 items Description	found	lbe part of all Organ	izations with	ef1))	
	Select the Resource G type 'AIF'. Name IMM rg	Usage	ever, this selection	is not mandatory	as one or more Resour	te Group type is 'All'. The claime	found	lbe part of all Organ	izations with	ef1)) (_1	

General page

If successful, you can see the device under **Targets**.

* 4	d Targets 🐵 🕂						
1	Add Filter					30 items	found 10 v per pag
Con	nection 7 Unclaimed 9 Mot Connected 15 Connected 6	Top Targets by Types 77 UCS Domain 18 HyperFiles Cluster 4 Standards MS Server 4 Internight Appliance 3 Other 7	Vendor 30	Cisco Systems, Inc. 39			
	Name	: Status		Туре	Claimed Time		Claimed By
	C220-WZP24430N7K	O Connected		Standalone M6 Server	a few seconds ago		jislasto@cisco.com

All Targets

Now that the Server is correctly added to Intersight, you can create a UCS Server Profile.

Click **Configure** > **Profiles** and then **UCS Server Profiles**.

≡	cisco Intersight	CONFIGURE > Profiles	Q 🗖 297
<u>el</u> •	MONITOR	HyperFlex Cluster Profiles UCS Chassis Profiles UCS Domain Profiles UCS Server Profiles	
ø	OPERATE ^		
	Servers	* All UCS Server Profiles +	
	Chassis	··· / / II A <u>Add Filter</u>	
		Name : Status : Target Platform : UCS Server Temp	
	Fabric Interconnects		
	Networking		
	HyperFlex Clusters		
	Integrated Systems	/ / D	
×	CONFIGURE ^		
	Orchestration		
	Profiles		
	Templates		
	Policies		
	Pools		

UCS Server Profiles

Click Create UCS Server Profile.



Create UCS Server Profile

Name the Server Profile and select Standalone Server on Target Platform, and then click Next.



Standalone Server Assignment

At the Server Assignment screen, select the Standalone Server and click Next.

	Step 2 Server Assign Choose to assign pool, or later.	gnment a server now, from a resou	rce		
Assign Now Assign Server from a Re	source Pool Assign	Later			
 Click the appropriate button to assign a server r select and attach policies to the server profile. 	ow, from a resource pool, or I	ater. If you choose to assign	n a server now, select the :	server, click Next, and	
Add Filter	C	4 items found 10 ~	perpage 🔣 🔇 1	of 1 🖂 😥	
Name 🗧 User Label	Health C	Model :	UCS Domain	Serial Number 🗧	
C220-WZP24430N7K	Critical	UCSC-C220-M6S		WZP24430N7K	
C220-WZP24430N7K	Critical	UCSC-C220-M6S		WZP24430N7K	
C240-FCH2303V0B3 description	O Healthy	UCSC-C240-M4S2		FCH2303V0B3	
C240-WZP23510VY7 Lab-Test-SV-1	O Healthy	UCSC-C240-M5SD		WZP23510VY7	
Selected 1 of 4 Show Selected Unselect A				< <u>1</u> of 1 > >	
					Next >

In the next five steps, assign the **Server Policies** based on your requirements. Click **Summary** and **Deploy** to finish.

)	Progress				Shep 7 Summary Verify details of the pro errors and deploy.	file and the policie	s, resolve		
ľ	Server Assignment		General						
Ŷ	Compute Configuration								
φ	Management Configuration		Name	Server_Profile_C-Series	Status Manage	ment iP	10.31.123.34		
9	Storage Configuration		Assigned Server						
þ	Network Configuration		Target Platform	UCS Server (Standalone)					
•			Description Server Profile for Stand	alone Server					
			Compute Configuration	Management Configuration	Storage Configurat	ion Network C	Configuration Error		
			BIOS					.27-bios-policy 🗐	
C	C Back	Close							

Server Summaries Deploy

Intersight can validate the configuration and, if correct, verify the status.

* All UCS Server Profiles 💿 +							
/ / - 9. Additer					Coport 39 items found	15 v perpage (K) < 1 of 3 (DD
	Name :	Status :	Target Platform :	UCS Server Template		Last Update :	
			UCS Server (Standalone)			a few seconds ago	
		Not Assigned	UCS Server (Standalone)			an hour ago	

Final Profiles

You can now manage your UCS Standalone Server from Intersight.