# 透過Intersight配置和管理獨立伺服器

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# 簡介

本文檔介紹如何宣告、建立和部署獨立伺服器的UCS伺服器配置檔案。

## 必要條件

需求

#### 採用元件

此程式可針對M5、M6和M7系列獨立伺服器完成。

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路運作中,請確保您瞭解任何指令可能造成的影響。

## 背景資訊

此程式可針對M5、M6和M7系列獨立伺服器完成。

## 程式

導航到可以申請的裝置的Cisco IMC網頁。

| Chassis / Sum  | mary 🔺   |  |  |                 |
|--|--|--|--|-----------------|
| Server Proper  | ties   | Cisco Integrated M   | lanagement 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  | Server Utilization   |  |                 |
| Chassis Statu  | S<br>r State: On   | Server Utilization   | ion (%): N/A                                 |                 |
| Chassis Statu<br>Power<br>Post Completion  | S<br>r State: On<br>Status: Not-Completed  | Server Utilization<br>Overall Utilizat<br>CPU Utilizat                                   | ion (%): N/A<br>ion (%): N/A                 |                 |
| Chassis Statu<br>Power<br>Post Completion :<br>Overall Server :  | S<br>r State: On<br>Status: Not-Completed<br>Status: Severo Fault  | Server Utilization<br>Overall Utilizat<br>CPU Utilizat<br>Memory Utilizat                | ion (%): N/A<br>ion (%): N/A<br>ion (%): N/A |                 |
| Chassis Statu<br>Power<br>Post Completion :<br>Overall Server :<br>Tempe   | S<br>status: On<br>Status: Not-Completed<br>Status: Severe Fault<br>wrature: Good  | Server Utilization<br>Overall Utilizat<br>CPU Utilizat<br>Memory Utilizat<br>IO Utilizat | ion (%): N/A<br>ion (%): N/A<br>ion (%): N/A |                 |
| Chassis Statu<br>Power<br>Post Completion :<br>Overall Server :<br>Tempe<br>Overall DIMM :                       | S<br>r State: On<br>Status: Not-Completed<br>Status: Severe Fault<br>rrature: Good<br>Status: Good   | Server Utilization<br>Overall Utilizat<br>CPU Utilizat<br>Memory Utilizat<br>IO Utilizat | ion (%): N/A<br>ion (%): N/A<br>ion (%): N/A |                 |
| Chassis Statu<br>Power<br>Post Completion :<br>Overall Server :<br>Tempe<br>Overall DIMM :<br>Power Su           | S<br>r State: On<br>Status: Not-Completed<br>Status: Severe Fault<br>rrature: Good<br>Status: Good<br>Status: Good   | Server Utilization<br>Overall Utilizat<br>CPU Utilizat<br>Memory Utilizat<br>IO Utilizat | ion (%): N/A<br>ion (%): N/A<br>ion (%): N/A |                 |
| Chassis Statu<br>Power<br>Post Completion :<br>Overall Server :<br>Tempe<br>Overall DIMM :<br>Power Su           | S<br>r State: On<br>Status: Not-Completed<br>Status: Severe Fault<br>rrature: Good<br>Status: Good<br>pplies: Good<br>Fans: Good                           | Server Utilization<br>Overall Utilizat<br>CPU Utilizat<br>Memory Utilizat<br>IO Utilizat | ion (%): N/A<br>ion (%): N/A<br>ion (%): N/A |                 |
| Chassis Statu<br>Power<br>Post Completion :<br>Overall Server :<br>Tempe<br>Overall DIMM :<br>Power Su<br>Locate | S<br>state: On<br>Status: Not-Completed<br>Status: Severe Fault<br>vature: Good<br>Status: Good<br>status: Good<br>fans: Good<br>fans: Good<br>or LED: Off | Server Utilization<br>Overall Utilizat<br>CPU Utilizat<br>Memory Utilizat<br>IO Utilizat | ion (%): N/A<br>ion (%): N/A<br>ion (%): N/A |                 |

伺服器站台

然後,導航到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       |  |

裝置連接器

## 驗證伺服器是否可以訪問Intersight Cloud或Intersight裝置。

### 在設定下,修改代理配置和證書管理器。

| h / Admin / Device Connector 🔅 Betrein   Host Power  | Launch MVM   Ping   CIMC Reboot   Locator LED   😝               |
|--|---|
| The Device Connector is an embedded management controller that enables the capabilities of Cisco Intersight, a cloud-based management platform. For detailed information about configuring the device connector, please to   | elişit Helip Center   |
| Device Connector   | 🕒 Settings 💭 Refresh  |
| Device Connector   | Device ID<br>WZP24430N7K E<br>Cuare Code<br>169464073EA4 E<br>0 |
| Nut Claimed  |   |
| The connection to the Cisco 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 Targets page and click Claim a New Device for existing account. | lpen<br>Anveight  |
| 0.07.0236  |   |

#### 裝置設定

| Settings            |  |
|---------------------|--|
| General             |  |
| DNS Configuration   | <ul> <li>Configure proxy settings</li> </ul> |
| NTP Configuration   | Enable Proxy                                 |
| Proxy Configuration | Proxy Hostname/IP *                          |
| Certificate Manager | proxy.esi.cisco.com                          |
| Connection          | Authentication                               |
|                     |  |
|                     |  |

Proxy 組態

一旦成功連線到Cisco Intersight門戶,您即可宣告該裝置。為此,請複製裝置ID和宣告代碼,然後 登入您的Intersight帳戶。

| Device Connector  |  | () Settings   | C Refresh |
|---|--|---|-----------|
| Device Connector  |  | Device ID<br>WZP24430N7K<br>Calim Code<br>E87C363F30E0<br>© | 8         |
| Not Claimed   |  |   |           |
| The connection to the Cisco Intensight Portal is successful, but device is still not claimed. To claim to<br>Claim a New Device for existing account. | e device open Cisco intensight, create a new account and follow the guidance or go to the Targets page and click | Open<br>Intersight  |           |
|   |  |   |           |

裝置ID和宣告代碼

在Intersight門戶,請導航到管理>目標。



### 按一下宣告新目標。



宣告新目標

在Compute/Fabric下,選擇Cisco UCS Server(獨立)並按一下Start。

|                          | Select Target Type   |
|--------------------------|--|
| Filters                  | Q Search   |
| V Available for Claiming | Compute / Fabric   |
| Categories               | Cisco UCS Server<br>(Standalone) ☆ Cisco UCS Domain<br>(Intersight Managed) HPE OneView  |
| Cloud                    |  |
| O Compute / Fabric       | cisco di Cis |
| Hypervisor               | Managed) Cisco UCS C890 Redfish Server   |
| O Network                |  |

Cisco UCS伺服器

在常規頁上,貼上裝置ID和宣告代碼。

如果選擇Resource Group,則可以指定要向其增加裝置的Organizations。這不是強制性的。

預設情況下,Resource Group = All。

按一下Claim。

|                            | ৃ   | Claim Cisco UCS Server<br>(Standalone) Target<br>To claim your target, provide the Device ID, Claim<br>Code and select the appropriate Resource Groups. |    |
|----------------------------|---|---|----|
| General                    |   |   |    |
| Device ID *<br>WZP24430N7K | Claim Code *<br>© F6A6893E2682                    |   | ٥  |
| Resource Groups            |   |   |    |
| Select the Resource Group  | ps if required. However, this selection is not ma | andatory as one or more Resource Group type is 'AI'. The claimed target will be part of all Organizations with the Resource Group                       | P. |
| ijpe Au.                   |   | 1 items found 10 ∨ per page K < 1_of1 > x   | 0  |
| Name                       | Usage   | 1 items found 10 ∨ per page (K < 1 of 1 ⊃ (x) f<br>Description  | 0  |
| Name                       | Usage<br>ILLLA                                    | 1 items found 10 ∨ per page ℝ < <u>1</u> of 1 ⊃ №<br>Description  | 0  |
| Name                       | Usage<br>ILLL                                     | 1 items found 10 v per page 1 of 1 2 1<br>Description   | •  |
| Name Name                  | Usage<br>ILM                                      | 1 items found 10 v per page № C 1 of 1 > ∞ (<br>Description   | 0  |

一般頁面

如果成功,則可在Targets下看到裝置。

| * 4      | il Targets 🐵 🕂  |         |  |              |                          |                   |          |                    |
|----------|---|---------|--|--------------|--------------------------|-------------------|----------|--------------------|
| 0        | Add Filter  |         |  |              |                          |                   | 30 items | found 10 v per pag |
| Con<br>© | nection 7<br>Juclaimed 9 MNot Connected 15<br>Connected 6 | та<br>( | 28<br>28<br>0 Targets by Types 7<br>0 UCS Domain 19<br>0 HyperFlar Cluster 4<br>0 HyperFlar Cluster 4<br>0 Intensight Appliance 3<br>0 Other 7 | Vendor<br>30 | • Cisco Systems, Inc. 30 |                   |          |                    |
|          | Name  |         | Status   |              | Туре                     | Claimed Time      |          | Claimed By         |
|          |   |         |  |              | Standalone M6 Server     | a few seconds ago |          | jislasto@cisco.com |

所有目標

現在伺服器已正確增加到Intersight,您可以建立UCS伺服器配置檔案。

點選配置 > 配置檔案,然後點選UCS伺服器配置檔案。

| ≡          | -diadia<br>cisco Intersight | CONFIGURE > Profiles  | Q 🛛 297 |
|------------|-----------------------------|---|---------|
| <u>elo</u> | MONITOR                     | HyperFlex Cluster Profiles UCS Chassis Profiles UCS Domain Profiles UCS Server Profiles |         |
| ø          | OPERATE ^                   | * All UCS Server Profiles (0) +   |         |
|            | Servers                     | /   |         |
|            | Chassis                     | Name : Status : Target Platform : UCS Server Tempi                                      | ate     |
|            | Fabric Interconnects        |   |         |
|            | Networking                  |   |         |
|            | HyperFlex Clusters          |   |         |
| ×          |                             |   |         |
| ~          | Orchestration               |   |         |
| C          | Profiles                    | <b></b>   |         |
| <u> </u>   | Templates                   |   |         |
|            | Policies                    |   |         |
|            | Pools                       |   |         |

UCS伺服器配置檔案

#### 按一下Create UCS Server Profile。

| CONFIGURE > Profiles        |  |                     |   | Q 🖬 300 🔺 251 | ⊖ 1 q⊄ 33 | <u>৭</u> ৩ ৩           | Jaime Islas Tolentino 🔔   |
|-----------------------------|--|---------------------|---|---------------|-----------|------------------------|---------------------------|
| HyperFlex Cluster Profiles  |  | UCS Server Profiles |   |               |           |                        | Create UCS Server Profile |
| * All UCS Server Profiles @ |  |                     |   |               |           |                        |                           |
| / / B   A                   |  |                     |   |               |           | 0 items found 15 v per | page IC C 0 of 0 D H      |
| Name                        |  |                     |   |               |           |                        |                           |
|                             |  |                     | ~ |               |           |                        |                           |

建立UCS伺服器配置檔案

為Server Profile命名,然後選擇Standalone Server on Target Platform,然後按一下Next。



獨立伺服器分配

在Server Assignment螢幕中,選擇Standalone Server,然後按一下Next。

|         |   |  | Step 2<br>Serve<br>Choose t<br>pool, or I | r Assig<br>to assign i<br>ater. | nment<br>a server now, from | a resou  | rce                          |                     |     |
|---------|---|--|---|---------------------------------|-----------------------------|----------|------------------------------|---------------------|-----|
|         | Assign Now As   | sign Server from a Resour                              | ce Pool                                   | Assign                          | Later                       |          |                              |                     |     |
| C C     | lick the appropriate butto<br>elect and attach policies | in to assign a server now, f<br>to the server profile. | rom a resource                            | pool, or la                     | ter. If you choose          | to assig | n a server now, select the s | server, click Next, | and |
| ٩       | Add Filter  |  |   |                                 | 4 items found               | 10 ~     | perpage 🔣 < _ 1              | of1 > >             | ٢   |
|         | Name C  | User Label 🗧   | Health                                    |                                 | Model                       |          | UCS Domain                   | Serial Number       |     |
|         | C220-WZP24430N7K  |  | Critical                                  |                                 | UCSC-C220-M6                | s        |                              | WZP24430N7K         |     |
|         | C220-WZP24430N7K  |  | Critical                                  |                                 | UCSC-C220-M6                | s        |                              | WZP24430N7K         |     |
|         | C240-FCH2303V0B3  | description  | O Healthy                                 |                                 | UCSC-C240-M4                | \$2      |                              | FCH2303V0B3         |     |
|         | C240-WZP23510VY7  | Lab-Test-SV-1  | O Healthy                                 |                                 | UCSC-C240-M5                | so       |                              | WZP23510VY7         |     |
| Selecte | rd 1 of 4 Show Selec                                    | cted Unselect All                                      |   |                                 |                             |          |                              | <_1_of1 [           |     |
|         |   |  |   |                                 |                             |          |                              |                     |     |

在接下來的五個步驟中,請根據您的要求分配伺服器策略。按一下Summary和Deploy完成操作。

| ⊑<br>¶ | Progress                 |   |                                    | Step 7<br>Summary<br>Verify details of the profile an<br>errors and deploy. | d the policies, resolve |                   |  | ĺ |  |       |        |        |        |        |        | l      |
|--------|--------------------------|---|------------------------------------|---|-------------------------|-------------------|--|---|--|-------|--------|--------|--------|--------|--------|--------|
| Ŷ      | Server Assignment        |   |                                    |   |                         |                   |  |   |  |       |        |        |        |        |        |        |
| Ŷ      | Compute Configuration    | General                                 |                                    |   | _                       | _                 |  |   |  |       |        |        |        |        |        |        |
| ģ      | Management Configuration | Organization<br>Name                    | default<br>Server_Profile_C-Series | Status<br>Management  | IP 10.31.123.34         | yed.              |  |   |  |       |        |        |        |        |        |        |
| Ŷ      | Storage Configuration    | Assigned Server                         | C220-W2P24430N7K                   |   |                         |                   |  |   |  |       |        |        |        |        |        |        |
| ģ      | Network Configuration    | narget Platform                         | uus server (standarone)            |   |                         |                   |  |   |  |       |        |        |        |        |        |        |
| 7      |                          | Description<br>Server Profile for Stand | alone Server                       |   |                         |                   |  |   |  |       |        |        |        |        |        |        |
|        |                          | Compute Configuration                   | Management Configuration           | Storage Configuration   | Network Configuration   |                   |  |   |  |       |        |        |        |        |        |        |
|        |                          | BIOS                                    |                                    |   |                         | .27-bios-policy 🗐 |  |   |  |       |        |        |        |        |        |        |
|        |                          |   |                                    |   |                         |                   |  |   |  |       |        |        |        |        |        |        |
|        |                          |   |                                    |   |                         |                   |  | ( |  | Depla | Deploy | Deploy | Deploy | Deplay | Deploy | Deploy |

伺服器摘要部署

#### Intersight可以驗證配置並驗證狀態(如果正確)。

| * All UCS Server Profiles 💿 + |        |                |                         |                     |                         |                   |    |
|-------------------------------|--------|----------------|-------------------------|---------------------|-------------------------|-------------------|----|
| / /      - 4. Add Tele        |        |                |                         |                     | G Export 39 items found |                   | DD |
|                               | Name : | Status :       | Target Platform :       | UCS Server Template |                         | Last Update :     |    |
| 0                             |        |                | UCS Server (Standalone) |                     |                         | a few seconds ago |    |
|                               |        | C Not Assigned | UCS Server (Standalone) |                     |                         | an hour ago       |    |

最終設定檔

現在您可以從Intersight管理UCS獨立伺服器。

#### 關於此翻譯

思科已使用電腦和人工技術翻譯本文件,讓全世界的使用者能夠以自己的語言理解支援內容。請注 意,即使是最佳機器翻譯,也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準 確度概不負責,並建議一律查看原始英文文件(提供連結)。