UCS Central註冊和故障排除

目錄

簡介

本文檔介紹向UCS Central註冊思科統一計算系統 — UCS域的步驟。在UCS Central 1.5版之前，只能從UCS Manager進行註冊。從1.5版本起，可以從UCS Central和UCS Manager進行註冊。

採用元件

UCS Central 2.0(1a)

UCS管理器3.1(3a)

使用的所有裝置都是實驗室裝置

程式

來自UCS域的註冊流程：

啟動UCS Manager，然後按一下**Admin-> Communication Management-> UCS Central**。

選擇向**UCS Central註冊**。

輸入UCS Central的**主機名/IP地址**和**共用金鑰**（始終是使用主機名註冊UCS Central的最佳實踐，因為在註冊域時可以使用DNS條目更改IP地址），然後按一下**Ok**開始註冊。

註冊時可以設置策略解析控制。也可以在註冊後更改。

Register With UCS Central

Hostname/IP Address : ucscentral.cisco.com

Shared Secret : ••••••••••

All Global

Policy Resolution Control

Infrastructure & Catalog Firmware : ◉ Local ○ Global — Determines whether the Capability Catalog and infrastructure firmware policy are defined locally or come from Cisco UCS Central.

Time Zone Management : ◉ Local ○ Global — Determines whether the time zone and NTP server settings are defined locally or comes from Cisco UCS Central.

Communication Services : ◉ Local ○ Global — Determines whether HTTP, CIM XML, Telnet, SNMP, web session limits, and Management Interfaces Monitoring Policy settings are defined locally or in Cisco UCS Central.

Global Fault Policy : ◉ Local ○ Global — Determines whether the Global Fault Policy is defined locally or in Cisco UCS Central.

User Management : ◉ Local ○ Global — Determines whether authentication and native domains, LDAP, RADIUS, TACACS+, trusted points, locales, and user roles are defined locally or in Cisco UCS Central.

DNS Management : ◉ Local ○ Global — Determines whether DNS servers are defined locally or in Cisco UCS Central.

OK **Cancel**

監控FSM(有限狀態機)狀態以檢查註冊過程。

All / **Communication Management** / **UCS Central**

UCS Central Providers **FSM** Faults
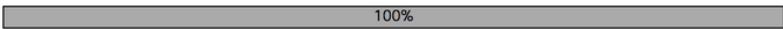
UCS Central Registration Policy Resolution Control

FSM Status : **Success**
Description :
Current FSM Name : **Register Fsm**
Completed at : **2017-08-18T13:02:42Z**
Progress Status : ▓▓▓▓▓▓▓▓▓▓ 100% ▓▓▓▓▓▓▓▓▓▓
Remote Invocation Result : **Not Applicable**
Remote Invocation Error Code : **None**
Remote Invocation Description :

⊖ Step Sequence

Order	Name	Description	Status	Timestamp	Retried
1	Register Fsm Execute	Register FSM Execute(FS...	Success	2017-08-18T13:02:42Z	2

UCS Central的註冊流程：

啟動UCS Central，點選System tools(系統工具)，然後轉至Domain Management(域管理)。
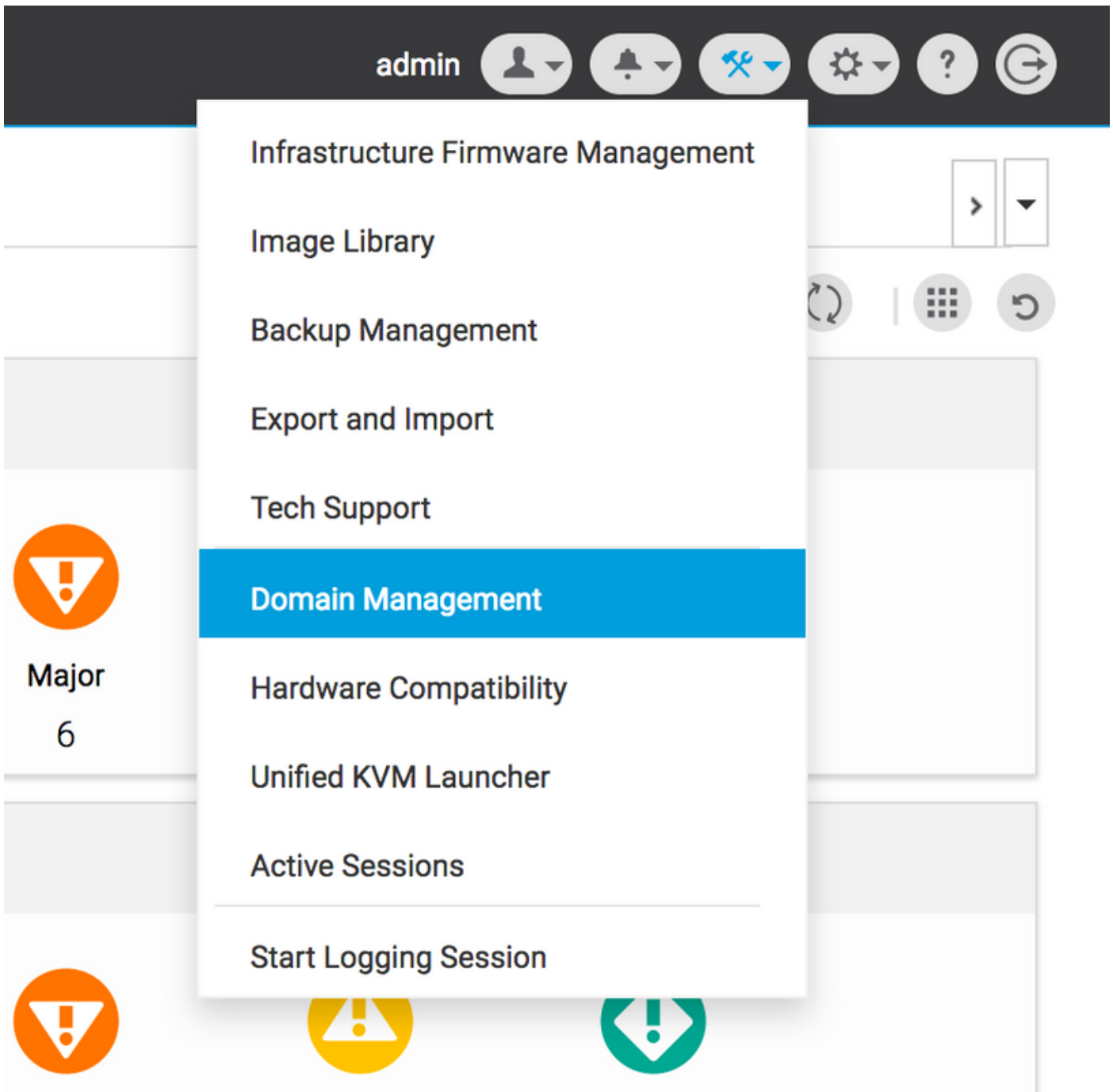
按一下右角的**Register Domain**。
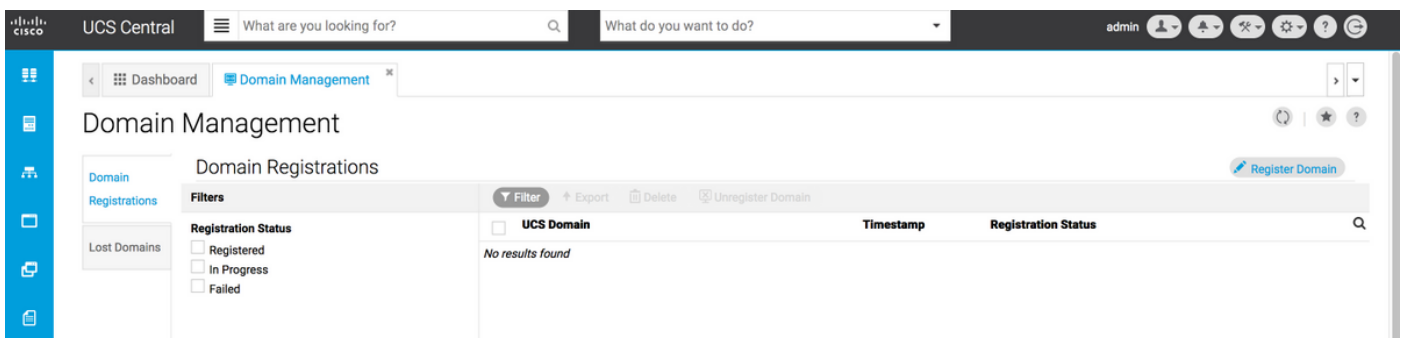
輸入UCS域主**機名/IP地址**以及管理**員使用者**名和**密碼。選擇**UCS Central的**主機名/IP地址 (Hostname/IP Address)**，然後按一下**Register**（註冊）。（在註冊域時，始終使用主機名作為IP地 址註冊UCS中心的最佳做法是使用DNS條目進行更改）。

Domain to UCS Central Register

可以從**Configuration Status**頁籤監控FSM狀態。

常見註冊問題故障排除：

案例 1:從UCS中心註冊域時，UCS域的管理員密碼錯誤。

修正:請更正管理員密碼，然後重試註冊。

來自UCS Central的FSM狀態

Domain Registrations Configuration Status

System FSM Name	Status	Progress Status	
Registration Fail	Registration Fail	10%	FSM Details

Current Stage Name	Stage Status	Retries	Time Stamp
Authorizing Admin Credentials	Failed	1	17-Aug-2017 3:40:54 PM

Order	Name	Description	Timestamp	Retries	Status
3	Remote Domain Reg Check Status			0	Skipped
2	Remote Domain Reg Push Shared Secret			0	Skipped
1	Authorizing Admin Credentials	Authorizing the admin credentials against the remote domain(FSM-STAGE:sam:dme:PolicyControlEpOpRemoteDomainReg:Registration)	17-Aug-2017 3:40:54 PM	1	Failed

Close

案例 2:UCS中心和UCS域時間未同步。

修正:同步UCS中心和UCS域上的時間，然後重試註冊。

請參閱以下連結中的**UCS Manager中的強制時間同步**以更正時間。

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/GUI-User-Guides/Operations/b_UCSC_Ops_Guide_2_0/b_UCSC_Ops_Guide_2_0_chapter_01100.html

來自UCS Manager的FSM狀態

UCS Central	Providers	FSM	Faults

UCS Central Registration | Policy Resolution Control

FSM Status	: **In Progress**
Description	:
Current FSM Name	: **Repair Cert**
Completed at	:
Progress Status	: [0%]
Remote Invocation Result	: **Resource Unavailable**
Remote Invocation Error Code	: **5**
Remote Invocation Description	: **UCSM and UCS Central time is not synchronized. Retrying...**

⊖ Step Sequence

Order	Name	Description	Status	Timestamp	Retried
1	Repair Cert Verify Guid	verifying GUID of UCS Ce...	In Progress	2017-08-17T22:41:53Z	1
2	Repair Cert Unregister		Pending		0
3	Repair Cert Clean Old Data		Pending		0
4	Repair Cert Request		Pending		0
5	Repair Cert Verify		Pending		0

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案例 3:從UCS域註冊時輸入的共用金鑰錯誤。

修正:請輸入正確的共用金鑰,然後重試註冊。

請參閱以下連結中的**重置共用金鑰**以更改共用金鑰。

https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-central/install-upgrade/2-0/b_Cisco_UCSC_Install_and_Upgrade_Guide_2_0/b_Cisco_UCSC_Install_and_Upgrade_Guide_2_0_chapter_0101.html#task_8299DFA4853049068C7E384F5E8FF493

來自UCS Manager的FSM狀態

| UCS Central | Providers | FSM | Faults |

| UCS Central Registration | Policy Resolution Control |

FSM Status : **Fail**
Description :
Current FSM Name : **Repair Cert**
Completed at : **2017-08-17T22:45:38Z**
Progress Status : [0%]
Remote Invocation Result : **Failure**
Remote Invocation Error Code : **5**
Remote Invocation Description : **shared secret mismatch**

⊖ Step Sequence

Order	Name	Description	Status	Timestamp	Retried
1	Repair Cert Verify Guid	verifying GUID of UCS Ce...	In Progress	2017-08-17T22:43:10Z	2
2	Repair Cert Unregister		Pending		0
3	Repair Cert Clean Old Data		Pending		0
4	Repair Cert Request		Pending		0
5	Repair Cert Verify		Pending		0

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案例 4:註冊期間，UCS Central無法與UCS Manager通訊

修正:確保UCSM和UCS Central over 443之間沒有防火牆阻止通訊。

來自UCS Manager的FSM狀態

| UCS Central | Providers | FSM | Faults |

| UCS Central Registration | Policy Resolution Control |

FSM Status : **In Progress**
Description :
Current FSM Name : **Repair Cert**
Completed at :
Progress Status : [0%]
Remote Invocation Result : **Not Applicable**
Remote Invocation Error Code : **None**
Remote Invocation Description :

⊖ Step Sequence

Order	Name	Description	Status	Timestamp	Retried
1	Repair Cert Verify Guid	verifying GUID of UCS Ce...	In Progress	2017-08-17T22:49:34Z	1
2	Repair Cert Unregister		Pending		0
3	Repair Cert Clean Old Data		Pending		0
4	Repair Cert Request		Pending		0
5	Repair Cert Verify		Pending		0

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