

Registro central e solução de problemas do UCS

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Introduction

Este documento descreve as etapas para registrar os domínios Cisco Unified Computing System - UCS com o UCS Central. Antes da versão 1.5 do UCS Central, o registro só poderia ocorrer a partir do UCS Manager. A versão 1.5 em diante, o registro pode ser feito do UCS Central e do UCS Manager.

Componentes Utilizados

UCS Central 2.0(1a)

UCS Manager 3.1(3a)

Todos os dispositivos usados são dispositivos de laboratório

Procedimento

Processo de registro do UCS Domain:

Inicie o UCS Manager e clique em **Admin-> Communication Management-> UCS Central**.

Selecione **Registrar no UCS Central** .

Insira o nome do host/endereço IP e o segredo compartilhado da UCS Central (sempre é uma prática recomendada para registrar a UCS central usando o nome do host, pois o endereço IP pode ser alterado usando a entrada DNS, enquanto o domínio está registrado) e clique em **Ok** para iniciar o registro.

O controle de resolução de política pode ser definido durante o registro. Também pode ser alterado após o registro.

Register With UCS Central



Hostname/IP Address :

Shared Secret :

All Global

Policy Resolution Control	
Infrastructure & Catalog Firmware :	<input checked="" type="radio"/> Local <input type="radio"/> Global <p>Determines whether the Capability Catalog and infrastructure firmware policy are defined locally or come from Cisco UCS Central.</p>
Time Zone Management :	<input checked="" type="radio"/> Local <input type="radio"/> Global <p>Determines whether the time zone and NTP server settings are defined locally or comes from Cisco UCS Central.</p>
Communication Services :	<input checked="" type="radio"/> Local <input type="radio"/> Global <p>Determines whether HTTP, CIM XML, Telnet, SNMP, web session limits, and Management Interfaces Monitoring Policy settings are defined locally or in Cisco UCS Central.</p>
Global Fault Policy :	<input checked="" type="radio"/> Local <input type="radio"/> Global <p>Determines whether the Global Fault Policy is defined locally or in Cisco UCS Central.</p>
User Management :	<input checked="" type="radio"/> Local <input type="radio"/> Global <p>Determines whether authentication and native domains, LDAP, RADIUS, TACACS+, trusted points, locales, and user roles are defined locally or in Cisco UCS Central.</p>
DNS Management :	<input checked="" type="radio"/> Local <input type="radio"/> Global <p>Determines whether DNS servers are defined locally or in Cisco UCS Central.</p>

OK Cancel

Register With UCS Central



Hostname/IP Address :

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

Monitore o status FSM(Finite State Machine) para verificar o processo de registro.

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**

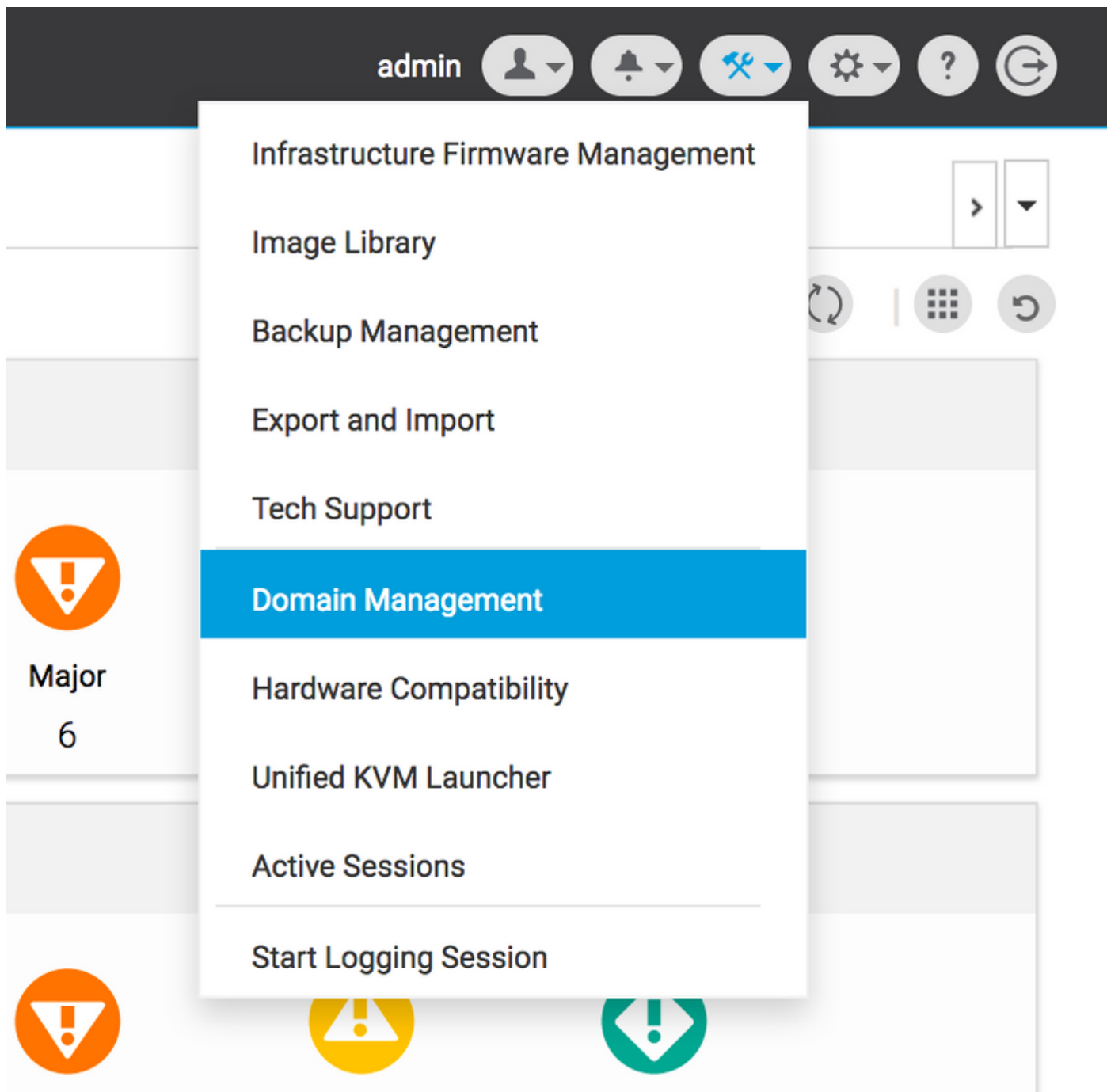
Remote Invocation Description :

Step Sequence

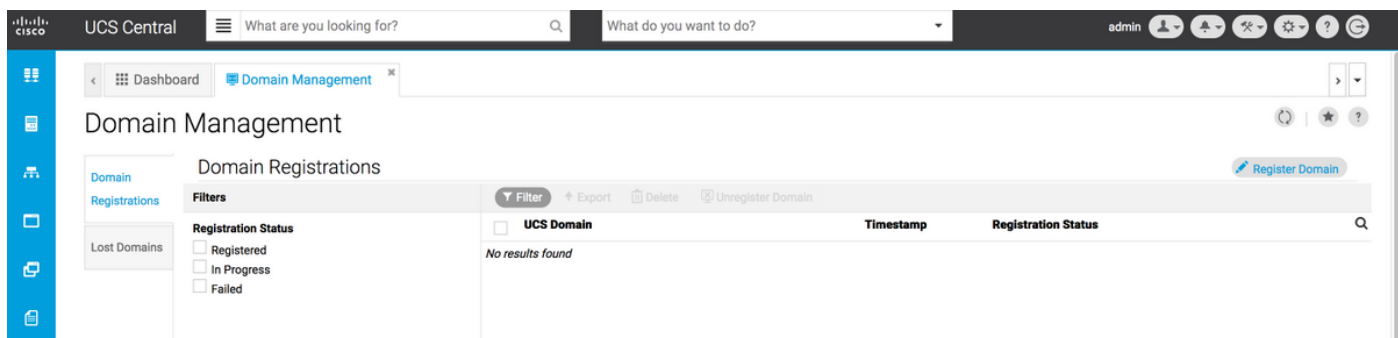
Order	Name	Description	Status	Timestamp	Retried
1	Register Fsm Execute	Register FSM Execute(FS...	Success	2017-08-18T13:02:42Z	2

Processo de registro do UCS Central:

Inicie o UCS Central e clique em Ferramentas do sistema e vá para Gerenciamento de domínio.



Clique em **Register Domain (Registrar domínio)** no canto direito.



Insira o **nome de host/endereço IP** do domínio UCS e o **nome de usuário** administrativo e a **senha**. Selecione o **nome de host/endereço IP** do UCS Central e clique em **Registrar**. (Sempre uma prática recomendada para registrar o UCS central usando o nome do host como endereço IP pode ser alterada usando a entrada DNS, enquanto o domínio está registrado).

Domain to UCS Central Register



Policy
Resolution
Control

UCS Central System Profile - Date & Time

In addition, if HTTPS is supported on the Domain, it must be enabled in order to register with UCS Central.

UCS Domain Hostname/IP Address *

ucsdomain.cisco.com

UCS Domain User Name *

admin

UCS Domain Password

Registration Hostname/IP address from UCS Central

hk-central-2

Cisco best practice is to register UCS Domains to UCS Central using the Fully Qualified Domain Name (FQDN). If you register the UCS Domain to UCS Central using an IP address and later change the IP address of UCS Central, you will need to unregister and re-register the UCS Domain to UCS Central.

[UCS Central System Profile - DNS](#)

Cancel

Register

O status do FSM pode ser monitorado na guia **Status da configuração**.

Register Domain

Filter Export Delete Unregister Domain

<input type="checkbox"/>	UCS Domain	Timestamp	Registration Status	Q
<input type="checkbox"/>	172.16.16.153	17-Aug-2017 3:42:05 PM	In Progress Configuration Status	

Solução de problemas comuns de registro:

Cenário 1: A senha do administrador para o domínio UCS está incorreta ao registrar o domínio do UCS Central.

Reparar: Corrija a senha do administrador e tente o registro novamente.

Status do FSM do UCS Central

Domain Registrations Configuration Status



System FSM Name
Registration Fail

Status
Registration Fail

Progress Status
 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](#)

Cenário 2: A hora do UCS Central e do UCS Domain não é sincronizada.

Reparar: Sincronize a hora no UCS Central e no UCS Domain e tente a região novamente.

Consulte **Sincronização forçada no UCS Manager** no link abaixo para corrigir a hora.

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

Status do FSM do UCS Manager

FSM Status : **In Progress**
 Description :
 Current FSM Name : **Repair Cert**
 Completed at :
 Progress Status :
 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

Cenário 3: Segredo compartilhado incorreto inserido durante o registro do domínio UCS.

Reparar: Digite o segredo compartilhado certo e tente o registro novamente.

Consulte **Redefinição do segredo compartilhado** no link abaixo para alterar o segredo compartilhado.

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

Status do FSM do UCS Manager

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 :

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

Cenário 4 : O UCS Central não pode se comunicar com o UCS Manager durante o registro

Reparar: Certifique-se de que não haja nenhum firewall bloqueando a comunicação entre o UCSM e o UCS Central sobre o 443.

Status do FSM do UCS Manager

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 :

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

Save Changes Done Values

