## **Configure BOOT from iSCSI from UCS Central**

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## Introduction

This document describes the configuration for iSCSI configuration in the Unified Computing System Central Domain (UCS-C).

## Prerequisites

#### Requirements

Cisco recommends that you have knowledge of these topics:

- Unified Computing System Central Domain (UCSC)
- Unified Computing System Manager Domain (UCSM)
- Networking configuration
- vNIC Configuration
- iSCSI

#### **Components Used**

- UCS Central
- UCS Manager
- Firmware version UCSC 2.0(1q)
- Firmware version UCSM 4.1(3k)
- Cisco B200 M5

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.

## Configure

### Create the vNIC and Set the Native iSCSI VLAN

1. To create a new LAN policy, navigate to **Navigation tab** > **Click in Create LAN connectivity Policy** and a window is displayed to configure the new policy.

UCS Central 📃 What a	re you looking for?	٩	What do you want to do?	•	
< III Dashboard			Create KMIP Certification Policy		
			Create LAN Connectivity Policy	-	

2. In the LAN policy created, add a new vNIC.

SIC				C. Martine and the second
ICs		Basic MAC Address VLANS VLAN C	Groups Policies	
SCSI vNICs	Fabric ID A B			
		Fabric Failover		
		Enabled Disabled		
		мти		
		1500		
		CDN Source		
		VNIC Name User Defined Name		

3. Once the vNIC is created navigate to VLAN tab and select the iSCSI VLAN, this VLAN must be set as Native.

Basic	+ 8	iSCSI_vNIC1 Properties				Manual Template
vNICs	VNIC Name	Basic MAC Add	VLANs	VLAN Groups	Policies	
ISCSI vNICs		+ â Set as Nati	ve		This is only a refer VLANs will not get	rence of a VLAN name. The t resolved until the Service
		VLAN_72			Profile referencing deployed. Once the VLANs will resolve	this policy or template is e Service Profile is deployed, the e by name on the Domain of the
					associated server.	

anual Template
N name. The il the Service
template is ile is deployed, the the Domain of the
E

#### iSCSI vNIC Configuration

1. In the same LAN policy created, navigate to **iSCSI vNICS** and create a new iSCSI vNIC. Do not forget the name must be the same as the previous vNIC configured. Once the name is already configured, you are able to see the Overlay vNIC and the VLAN must be the native.

Basic	+ 1	Properties	
	Basic Identifiers Policies		
iSCSI vNICs		Overlay vNIC iSCSI_vNIC1	
		Fabric ID A Overlay VLAN	
		VLAN_72	

#### **Configuring the Initiator**

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1. To configure the Initiator, navigate to **navigation tab**, then click **Create IP Pool** and a window is displayed to configure the new policy.

UCS Central	What are you looking for?	Q	What do you want to do?	*
		-8	Create Host Interface Placement Policy	
< III Dashboard			Create ID Range Access Control Policy	
<ul> <li>Welcome to</li> </ul>	UCS Central		Create IP Pool	

2. Create the initiator IP address, then configure the subnet and the default gateway.

# IP Pool Create

Basic	Parent T	уре		
	Org	Domain Group		
IPv4 Blocks				
IPv6 Blocks	IP Pools created under an organization can be used for IP Management via a Service Profile, as well as for iSCSI vNICS.			
	Organiza	ation		
	root		•	
	Name *			
	iscsi_te	estpool		
	Descript	ion		

3. Associate the IP Pool created within the previously created LAN policy. To do this step, select the LAN policy > iSCSI vNIC > Identifiers.



4. To configure the Initiator name, navigate to your service profile and click **Configure Static IDs** > **Identifiers** > **IQN** and configure the Static IQN Address.

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	Create Template From Profile			
	Unbind From Template			
	Assign Server Manually			
1.0	Unassign Server			
0	Rename			
	Clone			
	Reapply Configuration			
	Configure Interface Placement			
	Configure Zoning			
	Configure iSCSI Targets			
Va	Configure Static IDs	-	_	
10	UUID Synchronization Behavior			
в	Shutdown Server			
Va	Depart Conver			