

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

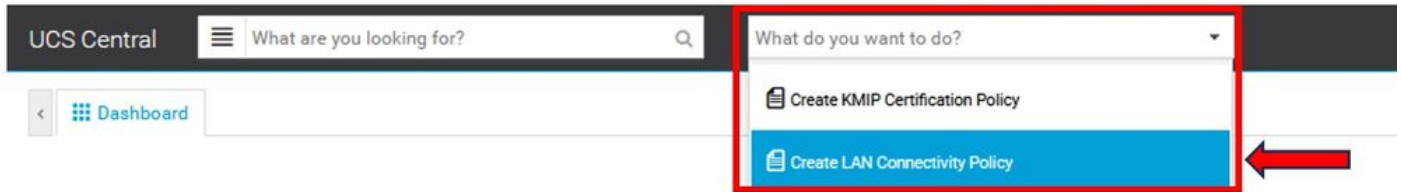
- UCS Central
- UCS Manager
- Firmware version UCSC 2.0(1q)
- Firmware version UCSM 4.1(3k)
- Cisco B200 M5

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.

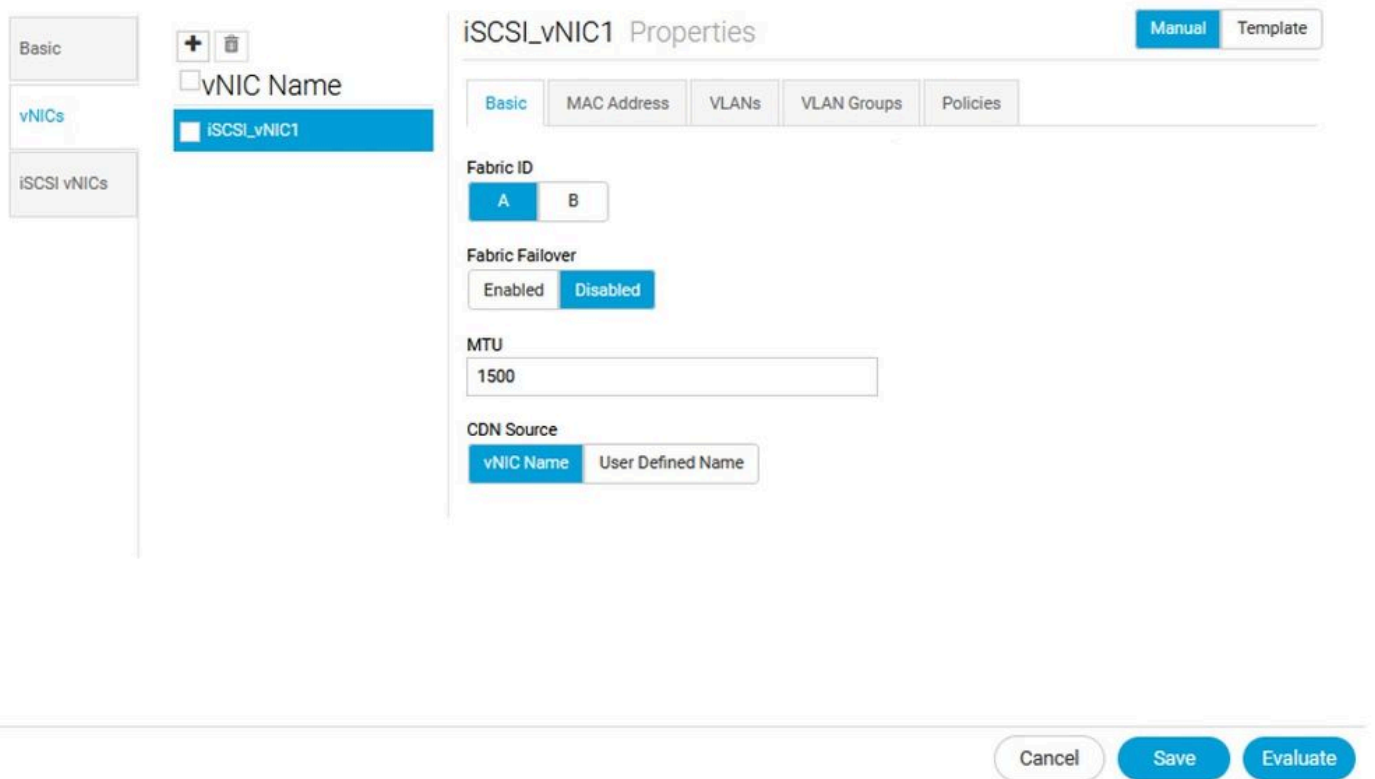
Configure

Create the vNIC and Set the Native iSCSI VLAN

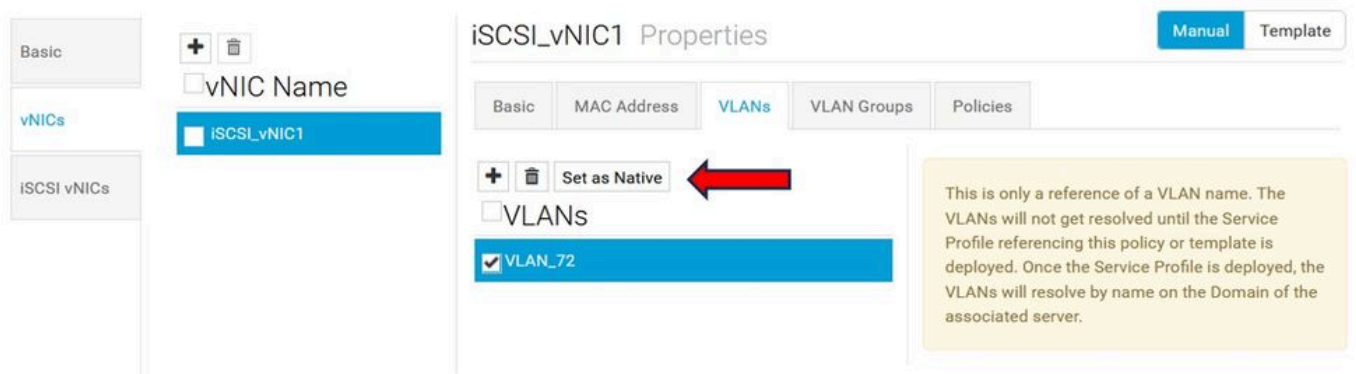
1. To create a new LAN policy, navigate to **Navigation tab > Click in Create LAN connectivity Policy** and a window is displayed to configure the new policy.



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



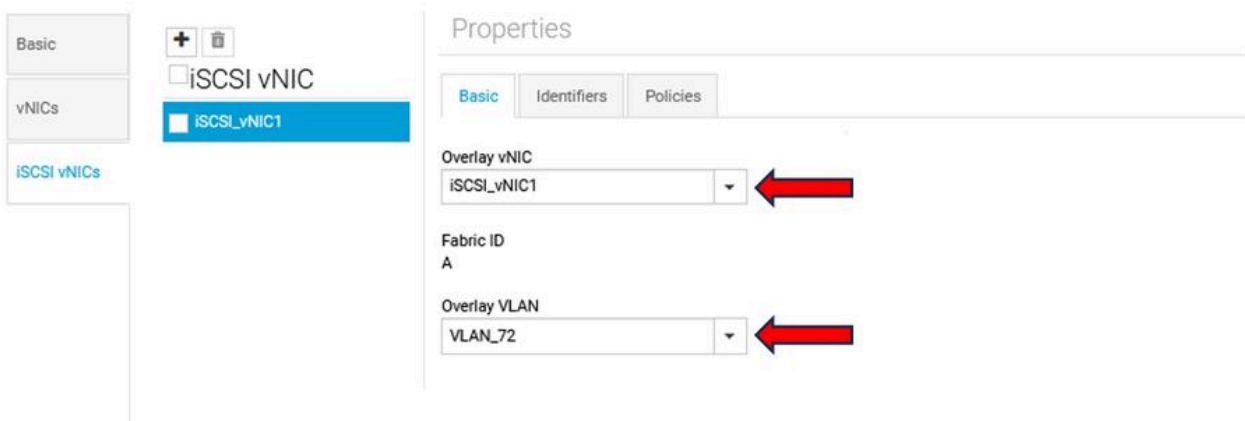
3. Once the vNIC is created navigate to **VLAN tab** and select the **iSCSI VLAN**, this VLAN must be set as Native.





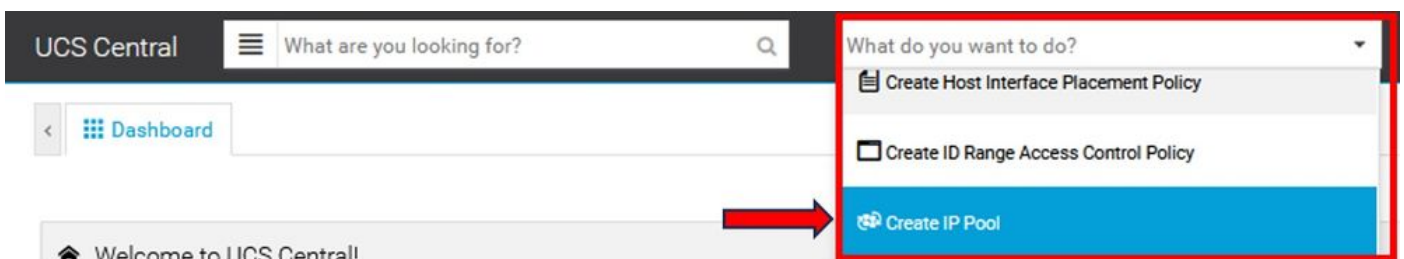
iSCSI vNIC Configuration

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.



Configuring the Initiator

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



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

IP Pool Create

Basic

IPv4 Blocks

IPv6 Blocks

Parent Type

Org Domain Group

IP Pools created under an organization can be used for IP Management via a Service Profile, as well as for iSCSI vNICs.

Organization

root

Name *

iscsi_testpool

Description

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

Basic

vNICs

iSCSI vNICs

iSCSI vNIC

iSCSI_vNIC1

Properties

Basic Identifiers Policies

Identifiers

MAC Pool
<Not-Assigned>

IP Pool
iscsi_testpool

IP Pool

iscsi_testpool
root

Pool Utilization

2 1

Available In Use

Settings	Value
Parent Type	Org
No. of IPv4 Blocks	1
No. of IPv6 Blocks	0

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



Create Template From Profile

Unbind From Template

Assign Server Manually

Unassign Server

Rename

Clone

Reapply Configuration

Configure Interface Placement

Configure Zoning

Configure iSCSI Targets

Configure Static IDs

UUID Synchronization Behavior

Shutdown Server

Reset Server

