

Replacement of Nexus 93180YC-EX Leaf Switch - CPAR

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Introduction

This document describes the steps required to replace a faulty Leaf switch (Nexus 93180YC-EX) in an Ultra-M setup.

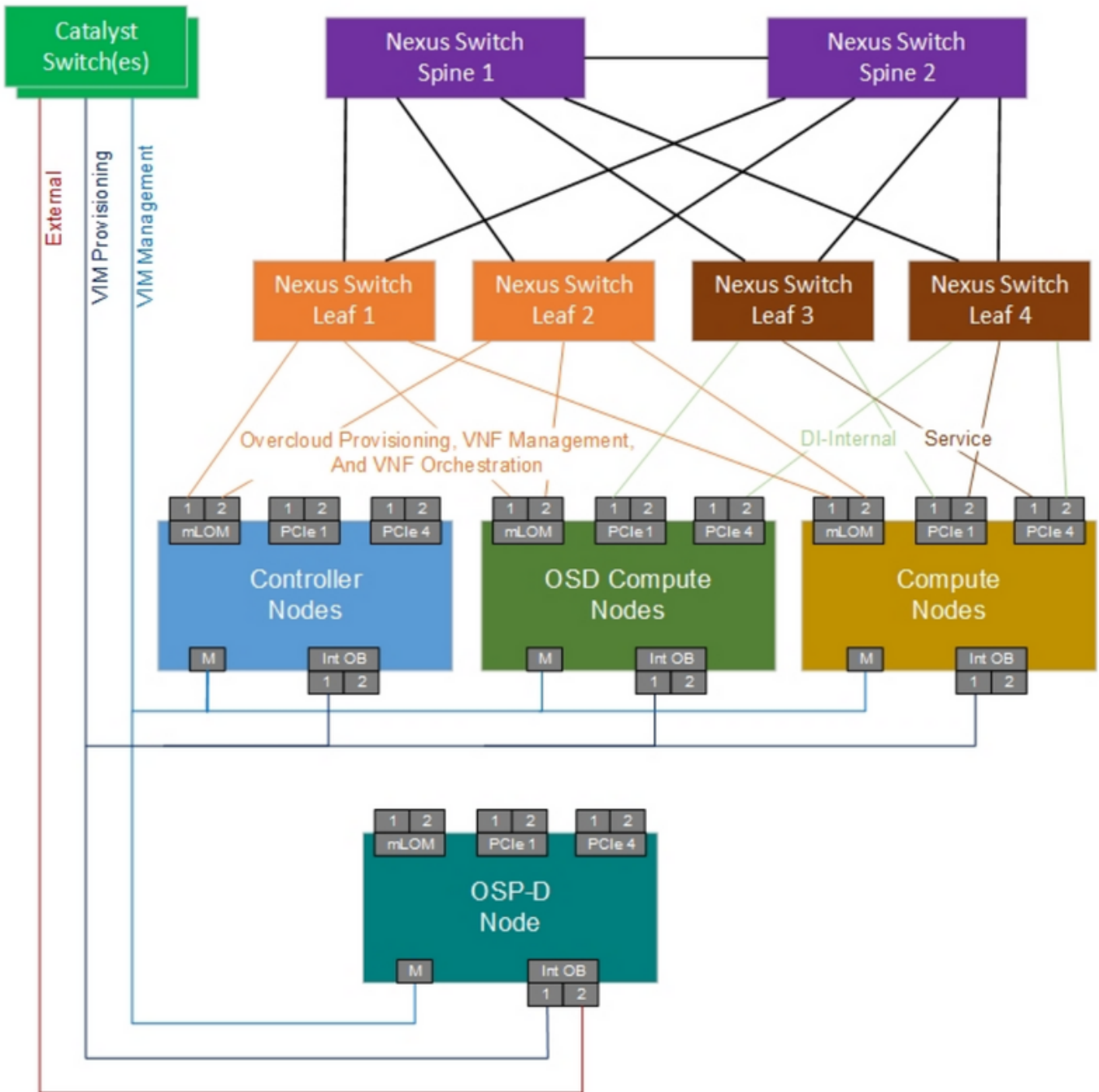
This procedure applies for an Openstack environment using NEWTON version where ESC does not manage Cisco Prime Access Registrar (CPAR) and CPAR is installed directly on the VM deployed on Openstack.

Background Information

Ultra-M is a pre-packaged and validated virtualized mobile packet core solution designed to simplify the deployment of VNFs. The servers that are part of the Ultra-M setup are connected to three different types of switches :

- Catalyst Switch
- Leaf Switch
- Spine Switch

The network topology of a Ultra-M setup is shown in the image:



Note: The Network topology is only a representation, the connections between the switches might slightly vary, it depends upon the solution deployed.

This document is intended for the Cisco personnel who are familiar with Cisco Ultra-M setup and Nexus Switch.

Abbreviations

VNF	Virtual Network Function
API	Application programming interface
MOP	Method of Procedure
DI	Distributed Instance
FTP	File Transfer Protocol

SFTP	Secure File Transfer Protocol
BGP	Border Gateway Protocol
BFD	Bidirectional Forwarding Detection

Workflow of the MoP

This image shows the high level workflow of the replacement procedure.

