Replace Nexus 93180YC-EX Leaf Switch - vEPC

Contents

[Introduction](#)
[Background Information](#)
[Abbreviations](#)
[Workflow of the MoP](#)
[Leaf Switch in the Ultra-M Setup](#)

Introduction

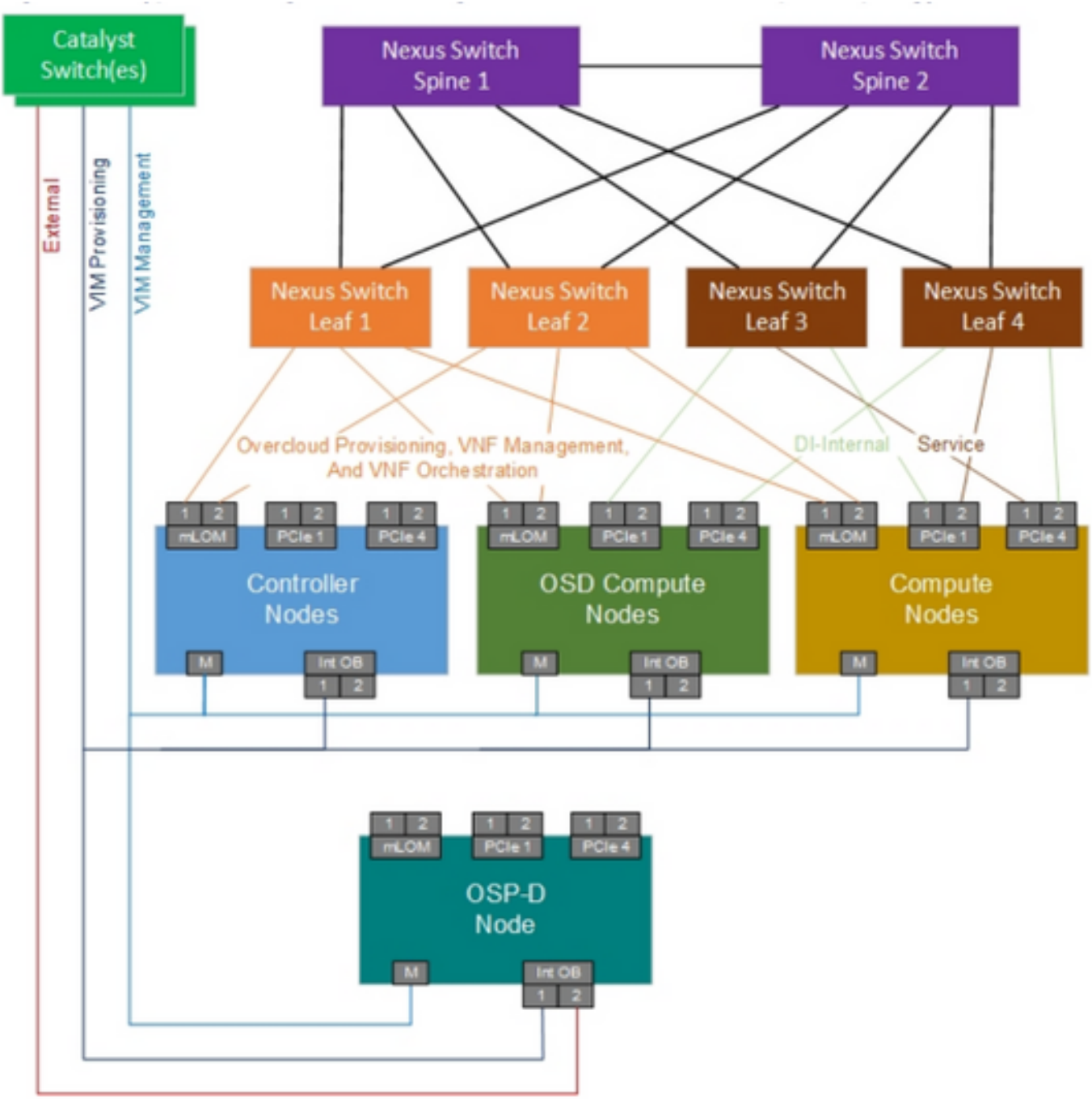
This document describes the steps required in order to replace a faulty Leaf switch (Nexus 93180YC-EX) in an Ultra-M setup that hosts StarOS Virtual Network Functions (VNFs).

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 an Ultra-M setup is:



UltraM Network Topology

> **Note**: The Network topology is only a representation, the connections between the switches might slightly vary depending on 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	Bi-directional Forwarding Detection

Workflow of the MoP