Replace Nexus 9236C Spine Switch - vEPC

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Introduction

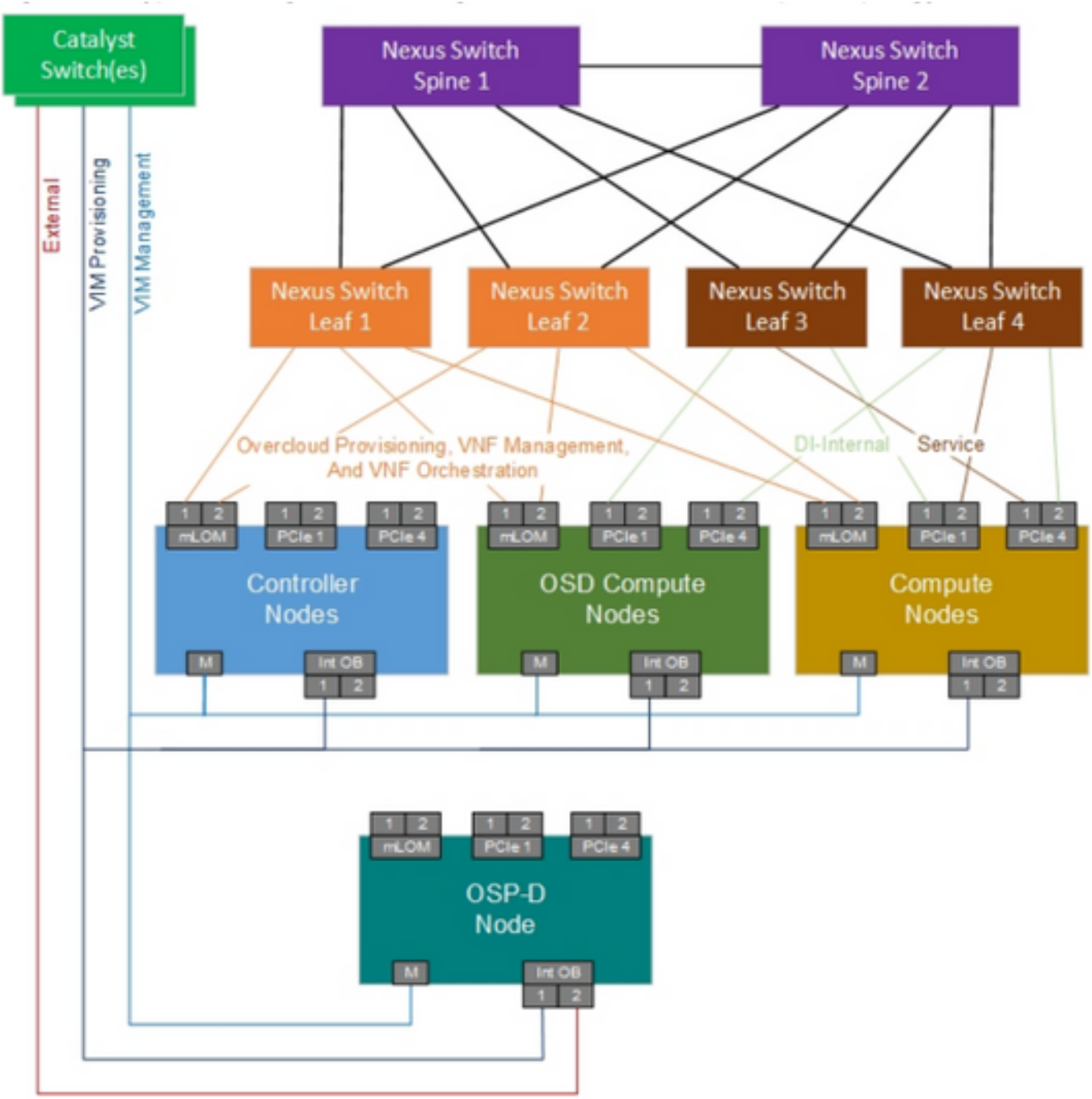
This document describes the steps required in order to replace a faulty Spine Switch (Nexus 9236C) in an Ultra-M setup that hosts StarOS Virtual Network Functions (VNFs).

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:



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 Catalyst Switch operations.

Abbreviations

VNF	Virtual Network Function
SPINE	Nexus 9236C Switch as Spine
MOP	Method of Procedure
LAN	Local Area Network

FTP	File Transfer Protocol
TFTP	Trivial File Transfer Protocol
CIMC	Cisco Integrated Management Controller

Workflow of the MoP