

Replace Nexus 93180YC-EX Leaf Switch - CPS

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Introduction

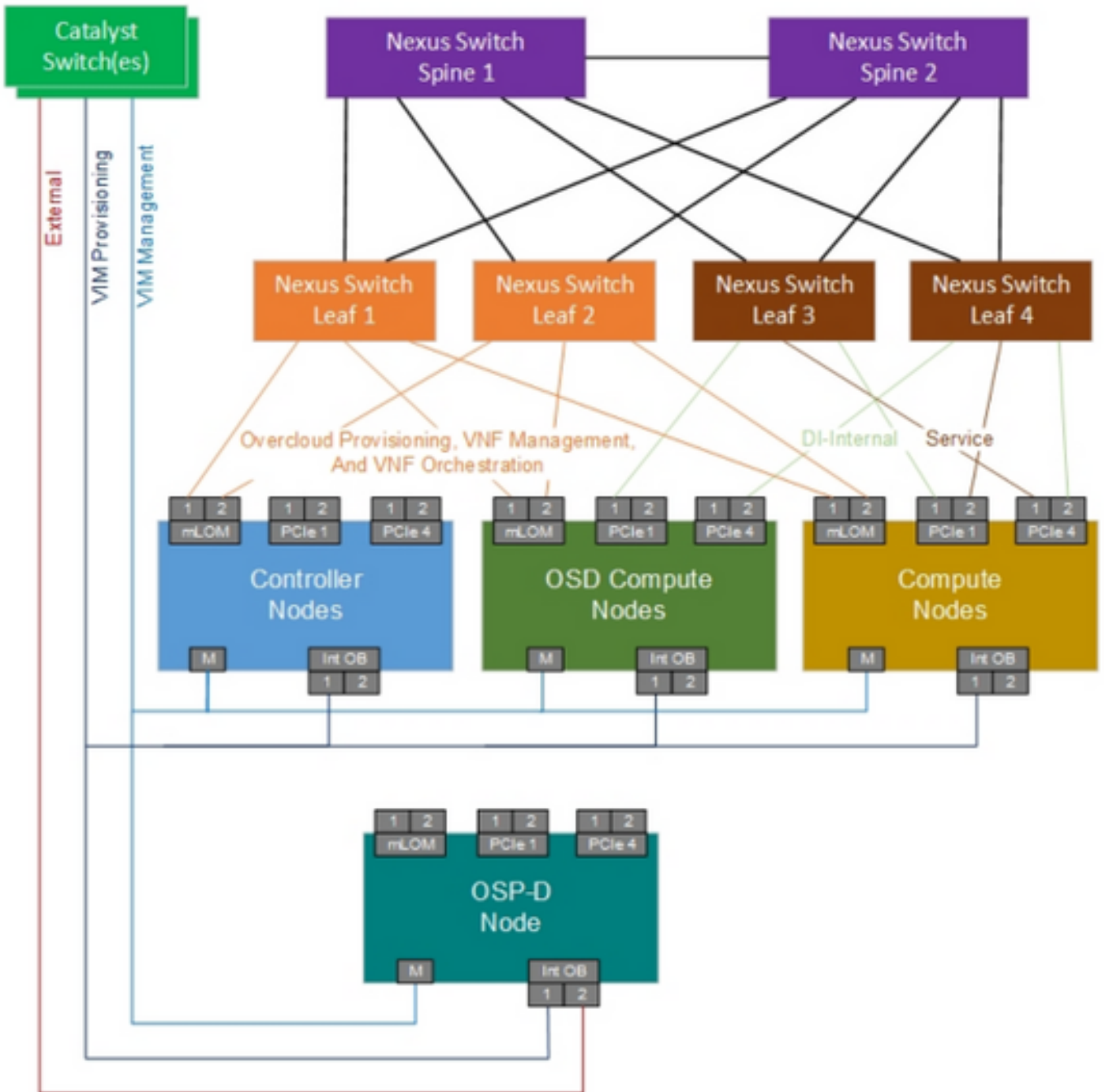
This document describes the steps required in order to replace a faulty Leaf switch (Nexus 93180YC-EX) in an Ultra-M setup that hosts StarOS Virtual Network Functions (VNFs).

Background Information

Ultra-M is a pre-packaged and validated virtualized mobile packet core solution that is designed in order 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 as shown in this image.



UltraM Network Topology

Note: The Network topology is only a representation, the connections between the switches might slightly vary and it depends 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 | Bidirectional Forwarding Detection |

Workflow of the MoP

