Open. Together.
Networking

Exceeding the limits of current network technology by leveraging the full potential of Barefoot Tofino’s P4 programming language with the new STORDIS Switch

Harsha Vardhan, Systems Engineer, STORDIS
Introduction
Who we are

- Consultancy Services
- System Integration
- Professional Support
- Software Development

+10 years experience
Unique industry network
Dedicated to the Open Philosophy
Knowledge (LABS)
Education (ACADEMY)
Network Fabric EcoSystem
APS MOTIVATION

- PTP Time Synchronization
- Tofino Date Plane
- Programmability with P4
- Supported speed from 1GbE to 100 GbE
- Premium Hardware Components
- Dedicated Out-of-Band SDN Controller ports
SPINE SWITCH 100G
BF6064X-T

10G/25G/40G/50G/100G

1588v2 Time Synchronisation

8 Core BROADWELL DE

6.4Tb TOFINO

2x Dedicated SDN Controller ports

OCP certification: Submission by end of March

Mass production: Mai 2019
Leaf SWITCH 25G
BF2556X-1T

16x1GbE
1G/10/25G/40G/50G/100G
1588v2 Time Synchronisation
1PPS
8 Core BROADWELL DE
2.0Tb TOFINO
2xDedicated SDN Controller ports
OCP certification: Submission by end of March
Mass production: April 2019
Supported Software

ONIE* Pre-loaded

SONiC*  ONL* & ONLP  STRATUM  NOVIFLOW  ONOS INTEGRATION  SOFTWARE DEFINED FABRIC

* Subprojects: Mailing list focus on ONIE, SONiC, ONL to accelerate the development of open source software
**Inband Network Telemetry**
Network
Packet Broker

Packet Broker
Broadband
Network Gateway

MGMT/ Control Layer
- Subscriber DB
- Billing DB

PPPOE Clients

DSLAM

BNG

100G PE ROUTER

Provider Core
Collaboration
Project Involvements

ALLIANCES

PROJECTS

EDUCATION

BroadCTRL