

An abstract graphic on the left side of the image, composed of numerous thin, wavy green lines that spiral and curve, creating a sense of movement and depth. It resembles a stylized, organic form or a complex wave pattern.

Open. Together.

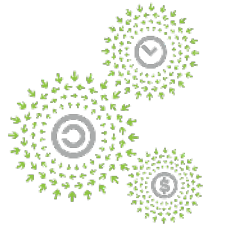


OCP
SUMMIT

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**



OPEN
PLATINUM™



NETWORKING



Open. Together.

AGENDA



INTRODUCTION

NETWORK FABRIC ECOSYSTEM

INSPIRATION

ADVANCED PROGRAMMABLE SWITCHES

SOFTWARE ECOSYSTEM

USECASES

Introduction

Who we are

+10 years experience

Unique industry network

Dedicated to the Open Philosophy

Knowledge (LABS)

Education (ACADEMY)

**Consultancy
Services**



**System
Integration**



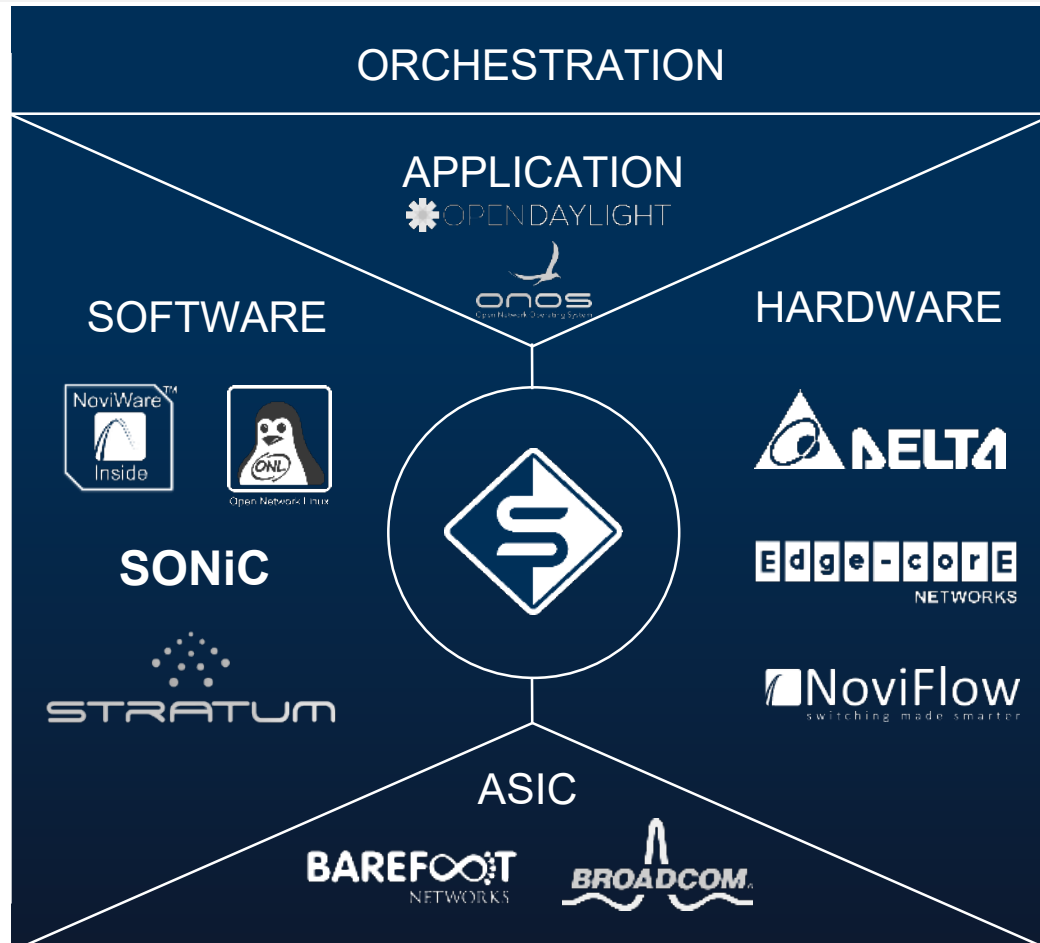
**Professional
Support**



**Software
Development**



Network Fabric EcoSystem



PACKET PROCESSING

OPEN HARDWARE

OPEN SOFTWARE

NETWORK APPLICATIONS

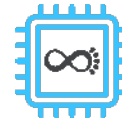
SOLUTION SPECIFIC ORCHESTRATOR



APS MOTIVATION



PTP Time Synchronization



Tofino Data Plane
Programmability with P4



Supported speed from 1GbE to
100 GbE

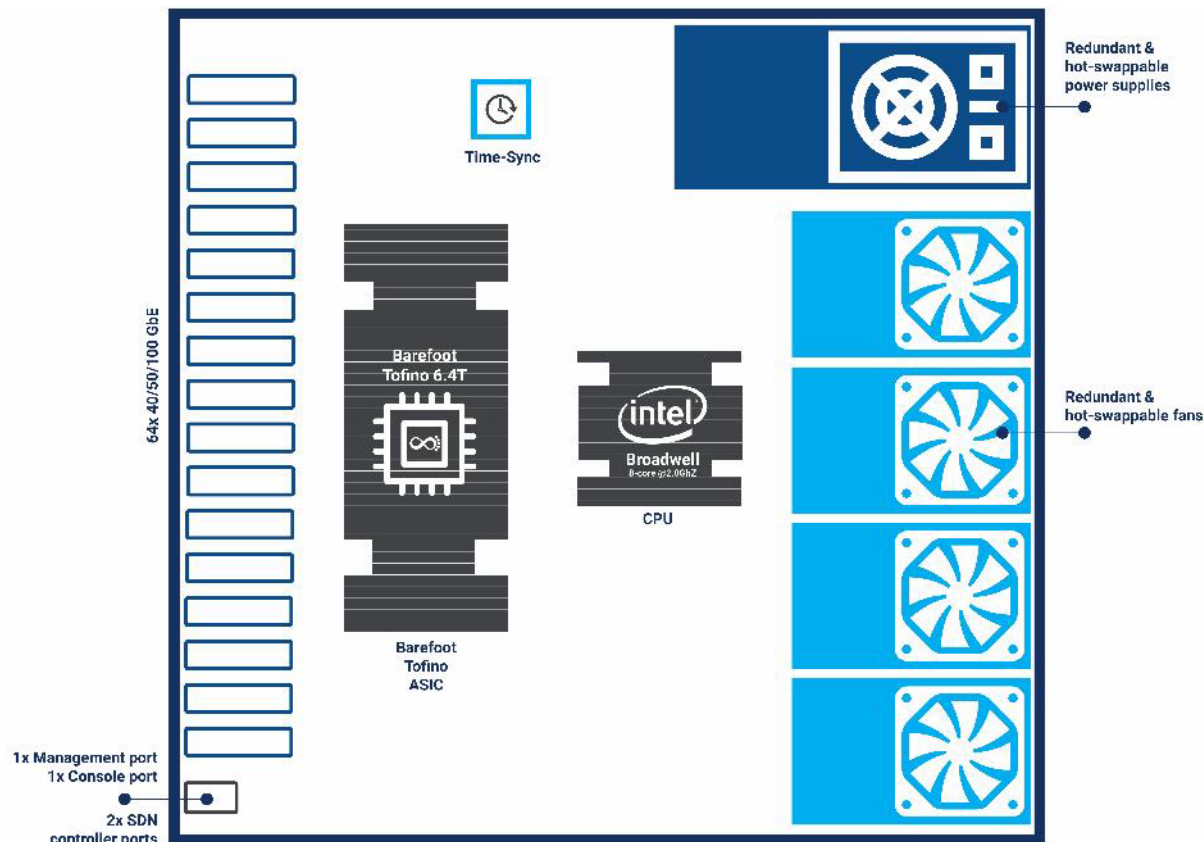


Premium Hardware Components



Dedicated Out-of-Band SDN
Controller ports

SPINE SWITCH 100G BF6064X-T



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

1588v2 Time Synchronisation

8 Core BROADWELL DE

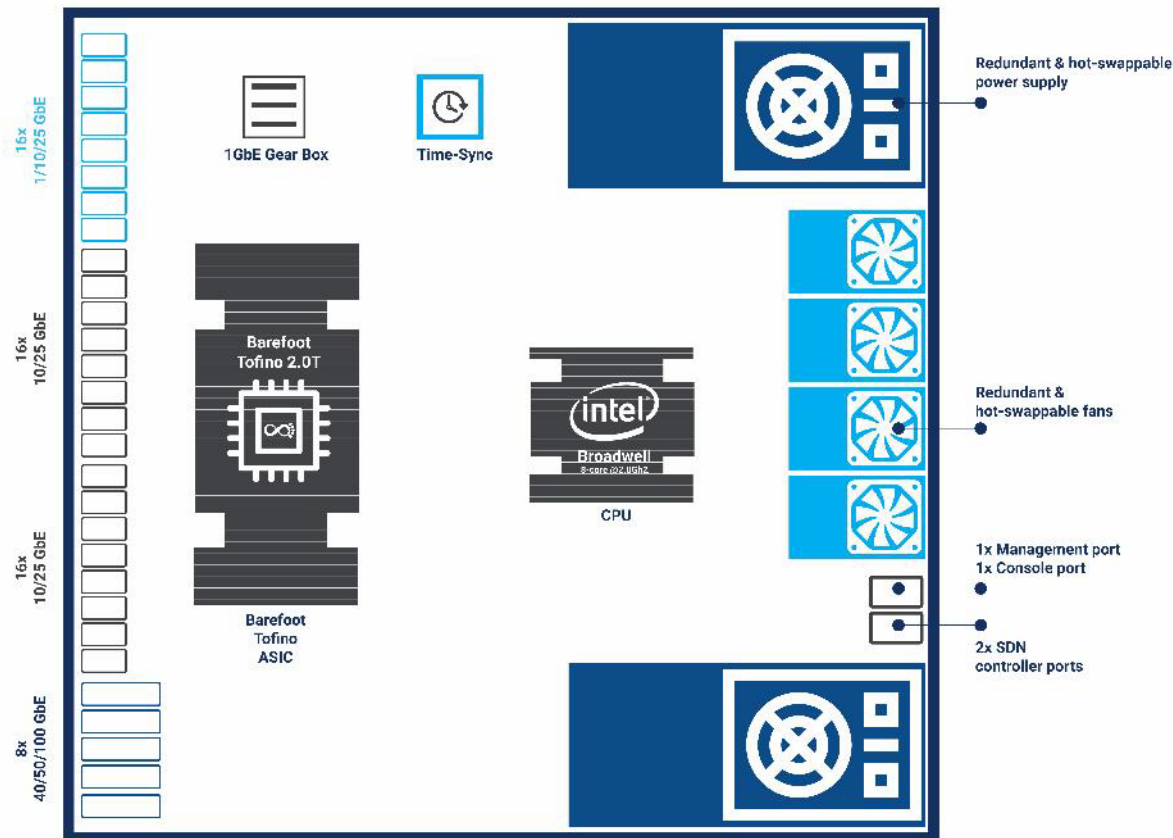
6.4Tb TOFINO

2xDedicated SDN Controller ports

OCF 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

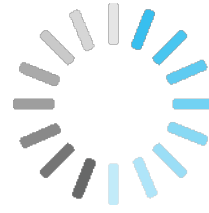
2.0Tb TOFINO

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

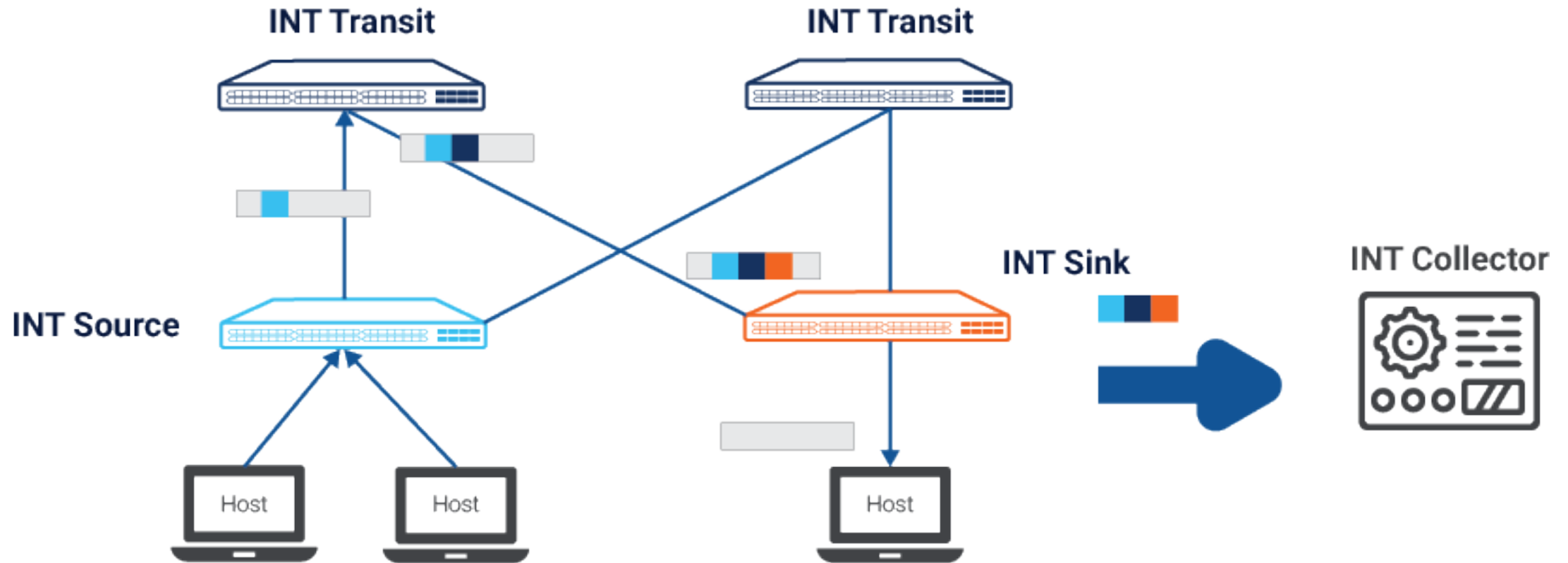


SOFTWARE
DEFINED
FABRIC

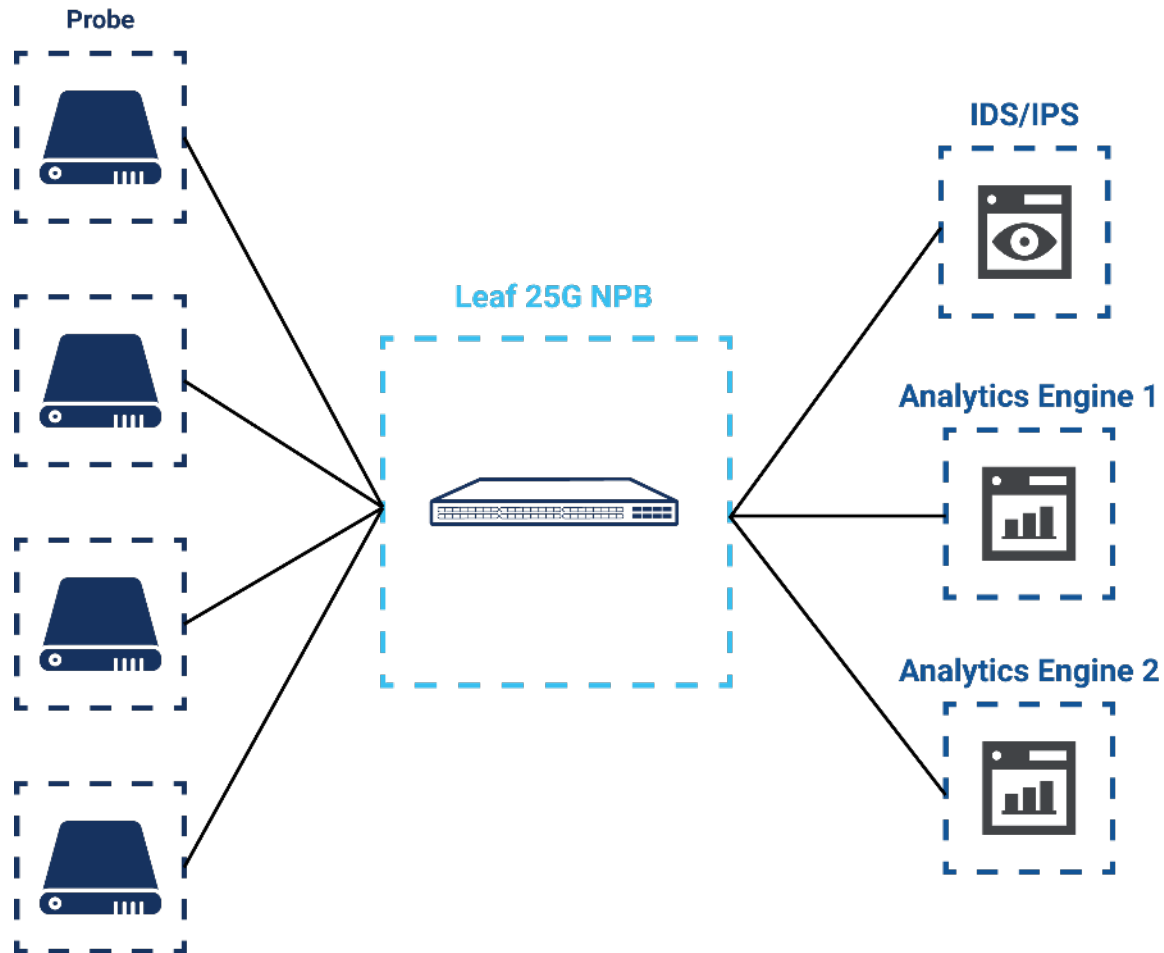
* **Subprojects:** Mailing list focus on ONIE, SONiC, ONL to accelerate the development of open source software



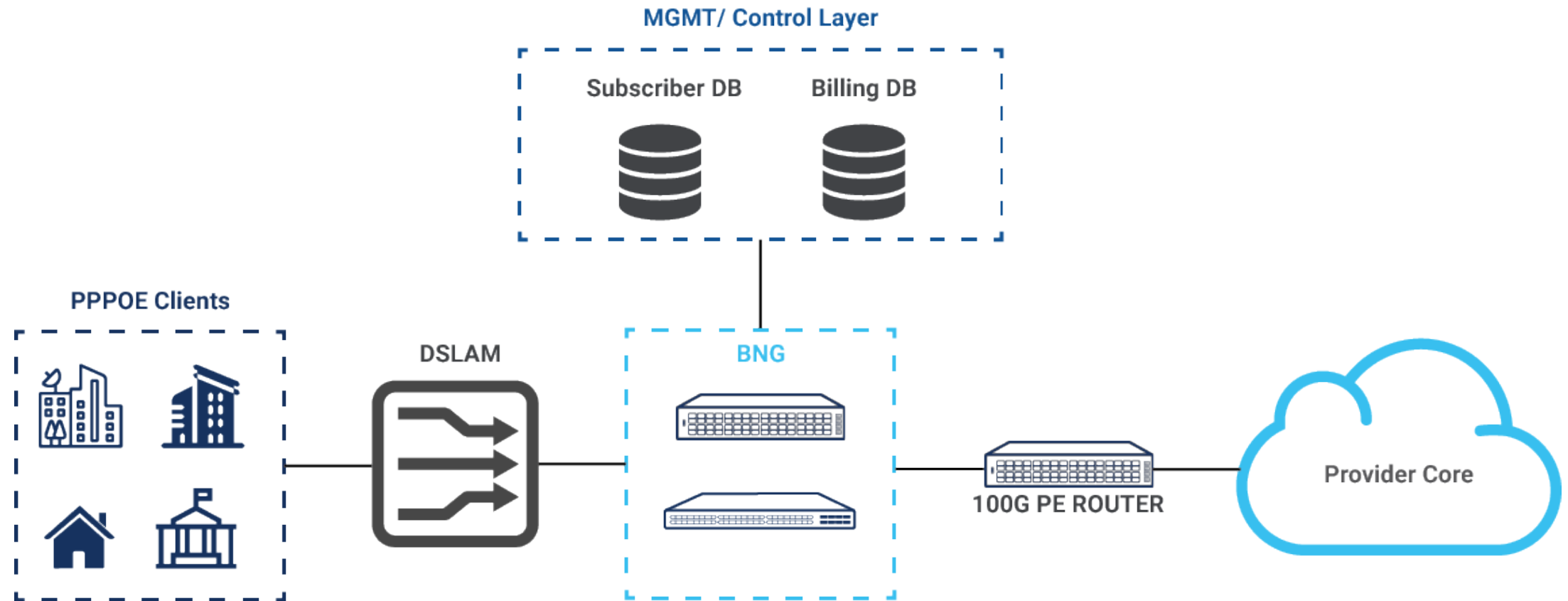
Inband Network Telemetry



Network Packet Broker



Broadband Network Gateway



Collaboration Project Involvements



ALLIANCES



PROJECTS



BroadCTRL

EDUCATION



BAREFOOT
ACADEMY



Q&A



Open. Together.

OCP Global Summit | March 14–15, 2019



OCP
SUMMIT

