INFINERA TRANSCEND SOFTWARE SUITE

Infinera

www.Infinera.com

ACG RESEARCH

VENDOR SNAPSHOT

PRODUCTS AND SERVICES

- Infinera's equipment offerings include packet-optical transport systems for core, metro and access and undersea deployments. The company also supplies an innovative open routing platform for cell site and other installations. It has a tri-part "Infinite Network" comprised of:
  - Infinite Edge for fiber-based access networks
  - Infinite Core for packet-optical network transport
  - Cognitive Networking software including the Transcend Software Suite.
- Infinera's Transcend Software Suite provides multi-layer resource and service provisioning and assurance functions for its own equipment and includes multi-vendor capabilities.
- Recent announcements for its "XR Optics" supporting multiple routable 25 Gbps sub-carriers in a 400 Gbps interface aimed at network aggregation points. Infinera is seeking to make this a standard in the industry.

KEY STRATEGIES

- Infinera is increasing the visibility of its multi-vendor software offerings that are an evolution of its software intellectual property from the Coriant acquisition in October 2018.
- Provide strong automation of provisioning and assurance operations supporting its own opto-electronic equipment but support other vendors' equipment also.
- Following ETSI Open MANO standards for NFV management.
- Infinera is adapting what is becoming a standard software architecture for network management, with tiered domain and interdomain management, both multi-vendor.
- Commitment to "open ecosystems" – support for open SBIs and NBIs in both tiers, adoption of vendor-neutral data models.

Key Customers

- Verizon
- NBN
- Telefonica

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Infinera provides opto-electronic systems for telecoms digital transmission. Its Transcend Software Suite is a key element in its Cognitive Network Solutions, providing intelligent software automation for multivendor transport systems.

Router Ecosystem

- CNOS software and DRX hardware plus whitebox hardware with EdgeCore Networks, others

Sunnyvale, CA

ANALYSIS

- The Transcend suite's domain control functions provide a competitive advantage to Infinera networking equipment, even with its multi-vendor capabilities.
- Infinera's network orchestration solution is being used in a massive TDM to Optical/IP-MPLS migration for Verizon, an extremely repeatable project.
- ACG Research anticipates that Infinera will have the usual issues in capturing the value that its software provides, since equipment vendors tend to price network management software low, and business cases for interdomain orchestration are weak and still in their infancy.