

SUNGARD: A CONTRAIL EARLY ADOPTER PROFILE

Summary

Company: SunGard

Industry: IT

Challenges:

- Seeking a more dynamic and agile approach to providing secure network multitenancy.
- Running an active routing protocol on the server hosts improves reliability, but has traditionally been difficult with separate server and network organizational silos.
- The traditional approach of segmenting the network with VLANs is simply not scalable or dynamic enough for the type of services SunGard wishes to offer.

What SunGard Likes About Contrail

Based on its experience with Contrail to date, here are some of the benefits for SunGard:

- Contrail automates the configuration of virtual L3 routing resources for the rapid and dynamic provisioning of new customers or services.
- Integration with both CloudStack and OpenStack allows SunGard to have flexibility in its choice of orchestration platform.
- Running an active routing protocol on the server hosts improves reliability, but has traditionally been difficult with separate server and network organizational silos. Contrail provides an active routing protocol while solving the operational issue by integrating with cloud orchestration stacks.

These early adopter profiles take a look at some of the innovative customers who are evaluating Juniper Networks® Contrail product via the Beta program. Since we are still in the early stages of product adoption, these customers are not deploying Contrail in their production networks—yet!—but these case studies are intended to give a sense of how one of our most exciting and innovative software-defined networking (SDN) products will be used by customers as they meet their business and technology challenges.

SunGard is one of the world's leading software and technology services companies. It has more than 17,000 employees and serves approximately 25,000 customers in more than 70 countries. SunGard provides software and processing solutions for financial services, education, and the public sector. It also provides disaster recovery services, managed IT services, information availability consulting services, and business continuity management software. SunGard Availability Services has 5 million square feet of data center and operations space.

Challenge

As SunGard continues to expand the capabilities of its Enterprise Cloud Services suite of solutions to extend and enhance the value they provide to new and existing customers, they require a more dynamic and agile approach to providing secure network multitenancy. The traditional approach of segmenting the network with VLANs is simply not scalable or dynamic enough for the type of services SunGard wishes to offer.

“As SunGard continues to expand our cloud service portfolio, it is important for us to ensure that our cloud network is flexible, scalable, and dynamic—and SDN technologies like Juniper Networks Contrail solution can bring this agility to the network. Juniper’s Contrail SDN controller is unique because it brings advanced layer 3 IP/MPLS routing capabilities into the hypervisor, while integration with orchestration platforms like CloudStack makes it simple to manage. This enables us to extend our existing network into the virtual world without the need to train server staff in routing protocols.”

- Nik Weidenbacher,
Principal Engineer, SunGard Availability Services

Expected Solution

SunGard is testing Juniper Networks Contrail as a key enabler of its ability to expand its cloud offerings. SunGard believes that Contrail could provide secure multitenant network segregation in the cloud with much higher scale and agility than traditional approaches such as VLANs. Because Contrail provides advanced Layer 3 routing capabilities and is based on proven and stable IP/MPLS routing protocols, it could enable SunGard to directly integrate its cloud platforms with its existing carrier-grade IP/MPLS network—eliminating a layer of complexity and scaling constraints.

About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at www.juniper.net.

Corporate and Sales Headquarters

Juniper Networks, Inc.
1194 North Mathilda Avenue
Sunnyvale, CA 94089 USA
Phone: 888.JUNIPER (888.586.4737)
or 408.745.2000
Fax: 408.745.2100
www.juniper.net

APAC and EMEA Headquarters

Juniper Networks International B.V.
Boeing Avenue 240
1119 PZ Schiphol-Rijk
Amsterdam, The Netherlands
Phone: 31.0.207.125.700
Fax: 31.0.207.125.701

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