ISPRIME: A CONTRAIL EARLY ADOPTER PROFILE

Summary

Company: ISPrime

Industry: Hosting

Challenges:

- Develop a more flexible and cost-effective cloud service where customers could be hosted in a virtualized environment
- Deploy a new network that is capable of meeting the demands of ISPrime's new cloud offering
- Ensure that the new virtual network didn't compromise on performance and agility

What ISPrime Likes about Contrail

- Contrail delivers a very high-performance virtual networking solution that enables resources to be pooled, moved, and connected to the network very rapidly.
- Contrail integrates seamlessly with ISPrime's existing MX Series-based network, as well as with its complete virtualization toolkit, including ISPrime's OpenStack-based orchestration platform.
- Using the MX Series and Contrail together provides a rich set of networking capabilities which tightly couple the physical and virtual networks.
- Contrail provides the ability to bring advanced networking capabilities into the hypervisor, while keeping the management complexity hidden via automated network orchestration capabilities.

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 today's business and technology challenges.

ISPrime is a premier Web hosting company specializing in managed clusters, firewalls, backups, databases, custom applications, and programming. ISPrime was founded in 1998 and serves industry-leading Web properties and advertising networks. The company operates on the belief that hosting requires a high-performance, highly redundant network built with both smart engineering and great hardware.

Challenge

Today, ISPrime's hosting services are largely based on a bare metal approach, where each customer gets dedicated hardware and a hardwired connection. This approach has been necessary to deliver the high performance and guaranteed availability that the company prides itself on. ISPrime is looking to develop a more flexible and cost-effective cloud service, where customers are hosted in a virtualized environment. As the company develops its cloud offering, a key requirement has been to ensure that the virtual network doesn't compromise on performance and agility. Yet IPSPrime found the networking capabilities provided in traditional virtualization platforms to be very rudimentary and not capable of meeting the demands of ISPrime's new service.

"ISPrime is a leading hosting provider, and we pride ourselves on the performance and availability of all our systems, including the network. When we were evaluating a virtual networking solution to enable our new cloud services, we required a level of performance and agility that was not available with traditional solutions. We found that Juniper's Contrail SDN solution delivers the advanced networking capabilities we require, while working together with our existing MX Series platforms to offer rich networking capabilities that span both the physical and virtual network."

- Phil Rosenthal,
  Chief Technology Officer, ISPrime

Expected Solution

ISPrime has performed comprehensive testing of Contrail as a key enabler for its new dynamic hosting services. Contrail delivers a very high-performance virtual networking solution that enables resources to be pooled, moved, and connected to the network very rapidly. ISPrime has found that Contrail integrates seamlessly with ISPrime's existing Juniper Networks® MX Series 3D Universal Edge Routers-based network, as well as with the EX Series Ethernet Switches and QFX Series platforms it is in the process of deploying. Using the MX Series and Contrail together provides a rich set of networking capabilities which tightly couple the physical and virtual networks.

For More Information

To find out more about Juniper Networks products and solutions, please visit **www.juniper.net**.

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**.

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