

LARGE INTERNATIONAL SERVICE PROVIDER: A CONTRAIL EARLY ADOPTER PROFILE

Summary

Company: Anonymous

Industry: Telecommunications, ISP

Challenges:

- Managed services currently rely on physical CPE to provide the desired network functionality.
- In the future, the company wants to virtualize certain network functions and run managed services, simplifying the network and enabling greater flexibility.
- Existing virtualization platforms are not designed to dynamically spin up and chain network services together.

What they like about Contrail

- Contrail's ability to automate and orchestrate the service chaining of virtualized network functions can help this operator bring services to market with increased speed and agility.
- Contrail integrates seamlessly with other Juniper offerings like Firefly for virtual NAT service.
- Open architecture facilitates integration with its existing management system, and with other third-party virtual applications.

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.

This network service provider is recognized as one of the leading worldwide providers of IP-based communications services to businesses, and also provides hosting and compute-as-a-service (CaaS).

Challenge

This leading service provider offers a wide range of advanced IP networking services to enterprises and small businesses, including IP VPN services and managed network infrastructure solutions. Today, its managed services—like those of most operators—rely on physical customer premise equipment (CPE) such as Network Address Translation (NAT) or firewall services to provide the desired network functionality. In the future, the company is looking to be able to virtualize certain network functions and run managed services in the network, both to simplify the CPE device and to enable greater flexibility. However, existing virtualization platforms lack the high-performance networking capabilities required to dynamically spin up and chain these services together.

Expected Solution

Juniper Networks® Contrail is being evaluated as a way to enable the dynamic service chaining of virtualized network functions. Contrail would be a key enabler of cloud-based managed services, and has been tested in conjunction with virtual applications such as Juniper Networks Firefly. Moving managed service functionality into the network would enable the operator to introduce services much more rapidly, while giving customers more choice and flexibility. Separately, this provider is also evaluating Contrail as a network automation and orchestration solution to leverage in its Compute as a Service (CaaS) offering.

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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