Boost Network Performance with VSRs from 6WIND

6WIND Virtual Service Routers Certified by the VMware Ready for Telco Cloud Program

BENEFITS OF VSRs ON THE VMWARE TELCO CLOUD FROM 6WIND

- Scalable Performance: 6WIND VSRs offer a scalable performance that can be adapted to changing network requirements, providing CSPs with the ability to handle growing data traffic.

- Cost-Effective Solution: 6WIND VSRs offer cost-effective solutions compared to hardware-based routers because the VSRs require fewer resources and can be easily deployed on a wide range of platforms.

- Flexibility: 6WIND VSRs are highly flexible, allowing CSPs to deploy them on various platforms, including public cloud environments, and to easily move them from one platform to another.

- End-to-End Security: 6WIND VSRs protect data during transmission and at rest.

- Optimized Resource Usage: 6WIND VSRs are optimized for resource use, ensuring that CSPs can get the most out of their infrastructure resources.

Communication service providers (CSPs) have been facing the challenge of maintaining their network services in an efficient and cost-effective manner. With the increasing demand for faster, more reliable, and more secure data and voice services, CSPs are looking for innovative solutions to streamline their operations and enhance their capabilities.

The rise of virtualization and cloud computing are delivering this innovation. CSPs are now streamlining their operations and improving the performance of their network services by moving to virtualized, container, and cloud-native platforms.

Virtual Service Routers (VSRs) have been gaining traction among CSPs as they move towards virtualizing their network services and leveraging the benefits of automation and management tools offered by modern technology.

One such solution that is quickly gaining popularity among CSPs is the 6WIND VSR, which is certified by the VMware Ready for Telco Cloud program.

What are Virtual Service Routers (VSRs)?

Virtual Service Routers are software-based routers that are deployed in virtual machines or containers on commercial off-the-shelf (COTS) servers in public, private and hybrid clouds. VSRs offer a highly flexible and scalable solution that can be adapted to changing network requirements. Unlike hardware-based routers, VSRs are virtualized, which means that they are hardware agnostic, can be deployed on a wide range of platforms, including public cloud environments, and can be easily moved from one platform to another.

6WIND Virtual Service Routers

The 6WIND VSR portfolio provides high-performance software routers to modernize CSPs networks. Deployed on commercial off-the-shelf (COTS) servers in both public and private clouds, the 6WIND VSR offers end-to-end security, reliability, and flexibility in deployment options. Additionally, its optimized use of resources provides more performance per core, making it highly efficient and cost-effective compared to traditional hardware solutions. The following key products are included in the 6WIND portfolio to address CSP routing challenges.

- Virtual Provider Edge Router (vPE) is a multi-tenant router with advanced routing capabilities for IP/MPLS infrastructure.

- Virtual Cell Site Router (vCSR) is a high-efficient solution for network simplification and cost reduction in radio access networks.

- Virtual Security Gateway (vSecGW) provides scalable performance and IPsec VPN aggregation for various security use cases.

- Virtual CGNAT Router (vCGNAT) offers network address translation at high scale to handle IPv4 address exhaustion.
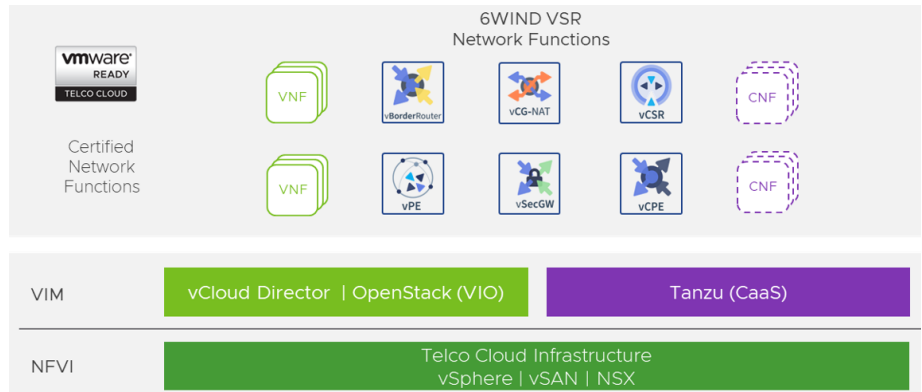
FIGURE 1: The 6WIND VSR network functions are certified through the VMware Ready for Telco Cloud program.

- Virtual Border Router (vBR) is a virtual router with rich routing capabilities and low convergence time for scalable and efficient networks.
- Virtual CPE (vCPE) is a lightweight software router designed for SD-WAN deployments with high throughput and minimal footprint.

The 6WIND VSR portfolio has been successfully certified by the VMware Ready for Telco Cloud program. The VSRs from 6WIND are available in *VMware Marketplace*.

The 6WIND VSR leverages the benefits of the VMware Telco Cloud to provide high performance combined with the main benefits of virtualization: agility, flexibility, scalability, and energy conservation. The 6WIND VSR provides CSPs with the elasticity they need in their networks, offering them the flexibility and scalability they require without sacrificing performance.

Why VMware and 6WIND for CSPs?

VMware and 6WIND offer a highly cost-effective, scalable, and flexible solution for CSPs by using the VMware Telco Cloud to improve performance benchmarking. The solution offers elasticity in the network, providing flexibility and scalability, making it easier for CSPs to migrate to a 5G cloud-native core.

Conclusion

Virtual Service Routers (VSRs) offer a cost-effective, scalable, and flexible solution for network services, providing CSPs with the ability to handle growing data traffic and changing network requirements. VMware and 6WIND offer a clear solution for CSPs, leveraging the VMware Telco Cloud to provide benefits such as performance, virtualization, and energy consumption reduction. With 6WIND VSR, CSPs can revolutionize their network services and enhance their capabilities, providing their customers with faster, more reliable, and more secure data and voice services.

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For more information about the VMware Telco Cloud, call 1-877-VMWARE (outside North America, dial +1-650-427-5000) or visit *https://telco.vmware.com/*