INCREASE NETWORK SERVICE RELIABILITY

Improve customer experience with dependable, high-performance services

SOLUTION BRIEF

61%

of telecommunications operators identified network reliability and connection speed as primary causes of customer churn.[1]

Deploying an NFV solution with service assurance from Red Hat and SevOne can improve service and network reliability and performance to increase customer satisfaction and retention.

VIRTUALIZE FOR SUCCESS

The new digital economy requires communications service providers (CSPs) to operate more quickly, cost-effectively, and flexibly. Network functions virtualization (NFV) can reduce costs and increase agility, but virtualizing is a big task that is usually accomplished in steps. As a result, many CSPs run legacy and virtualized infrastructure simultaneously. Service assurance in these multivendor, multi-technology infrastructures can be difficult. Disparate data stores, parallel operations, and legacy tool integration can impede visibility, productivity, and flexibility, negating the benefits of NFV.

Red Hat and SevOne offer an NFV solution with service assurance. With it, you can increase efficiency and agility, reduce downtime and costs, and improve customer experience to succeed in the digital era.

DELIVER RELIABLE, HIGH-PERFORMANCE NETWORK SERVICES

Customer retention is a concern for CSPs and 61% cite network reliability and connection speed as primary causes of customer churn.[1] The Red Hat® and SevOne NFV solution increases network dependability and performance to support greater customer satisfaction. The integrated architecture virtualizes network functions, automates service reliability and performance, and delivers visibility into both virtual network services and the cloud infrastructure on which they run. Based on Red Hat OpenStack® Platform and SevOne Platform, the Red Hat and SevOne NFV solution features an open, industry-standard foundation that can be expanded and customized with Red Hat, SevOne, and certified third-party components, while protecting your current investments.

RED HAT OPENSTACK PLATFORM

Red Hat OpenStack Platform forms the core of the NFV solution. Intensive validation and co-engineering with the underlying Linux® operating system delivers increased stability, interoperability, and performance. Unified, advanced security protects your infrastructure from operating system to application. A long release life cycle and production-grade support keep your environment up-to-date and operational without disruption to business.
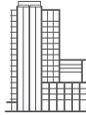
SEVONE PLATFORM

SevOne Platform provides a service monitoring platform that automates service assurance, performance, and visibility for OpenStack-based NFV infrastructure. Integration with each layer of the NFV architecture unifies management and awareness across all physical and virtual resources, regardless of vendor or technology. Continuous monitoring detects workloads as they are launched and automatically manages them based on deployment context and location. Real-time collection and analysis of metric data delivers actionable insight at every level of your environment.

COMPREHENSIVE SERVICES

Red Hat and SevOne can help you efficiently design, build, and run your NFV environment. Implementation, optimization, and integration services quickly deploy an infrastructure aligned with your business. Expert training teaches staff how to operate your environment according to industry best practices. Enhanced support delivers maximum reliability and business continuity.

1 Telecoms.com, "Annual Industry Survey 2016," February 2016.
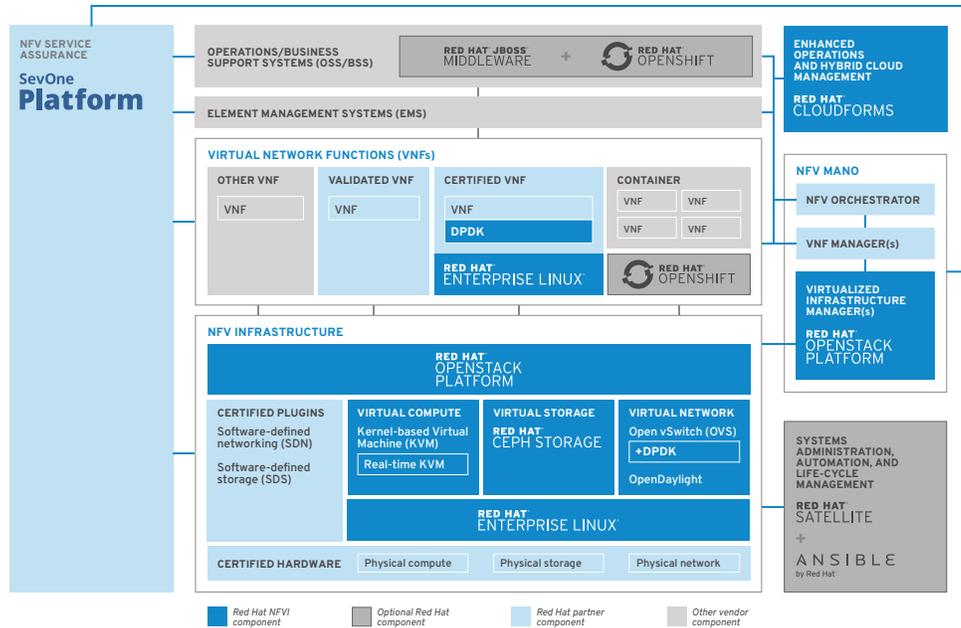
Figure 1. The Red Hat and SevOne NFV architecture

IMPROVE BUSINESS EFFICIENCY AND AGILITY WHILE REDUCING COSTS

40% of CSPs cite capital and operational expense (CapEx and OpEx) savings to be their primary reason for implementing NFV.[2] The Red Hat and SevOne solution delivers efficiency and agility while reducing costs. Streamline processes and reduce OpEx with automated service management. Optimize your infrastructure with real-time, actionable insight into operations. Trim CapEx and adapt quickly to market changes with a virtualized architecture and on-demand scalability.

REDUCE DOWNTIME AND BOOST CUSTOMER LOYALTY

57% of CSPs believe customer experience is an important differentiator.[2] The Red Hat and SevOne NFV solution increases service reliability and speed to deliver a better customer experience. Respond to changes faster and increase performance and uptime with automated service assurance. Rapidly identify and repair issues that can negatively affect the user experience with continuous monitoring and analysis of your environment. Adopt new technologies and quickly build and launch the differentiating services customers demand with an open, virtualized architecture.

SUCCEED IN THE DIGITAL ECONOMY WITH RED HAT AND SEVONE

Digital business transformation is essential for success in the evolving telecommunications market. The Red Hat and SevOne NFV solution delivers an agile, efficient, cost-effective network infrastructure that improves service reliability and performance so you can differentiate your company with a superior customer experience.

• Find out how automated service assurance can help your business at sevone.com/solutions/nfv.

• Learn more about NFV at redhat.com/nfv.

2 Telecoms.com, "Annual Industry Survey 2016," February 2016.