FUJITSU

Data Sheet
vSure® NFV and SDN Assurance

Next Generation Assurance for NFV and SDN Network Performance

Overview

Monitor and optimize emerging virtual networks comprehensively

vSure offers holistic assurance of NFV and SDN assets and enables businesses to successfully operationalize virtual network investments. vSure monitors the application, virtual, physical components independently and dynamically models the relationships between them providing a complete picture of how a disaggregated function is performing.
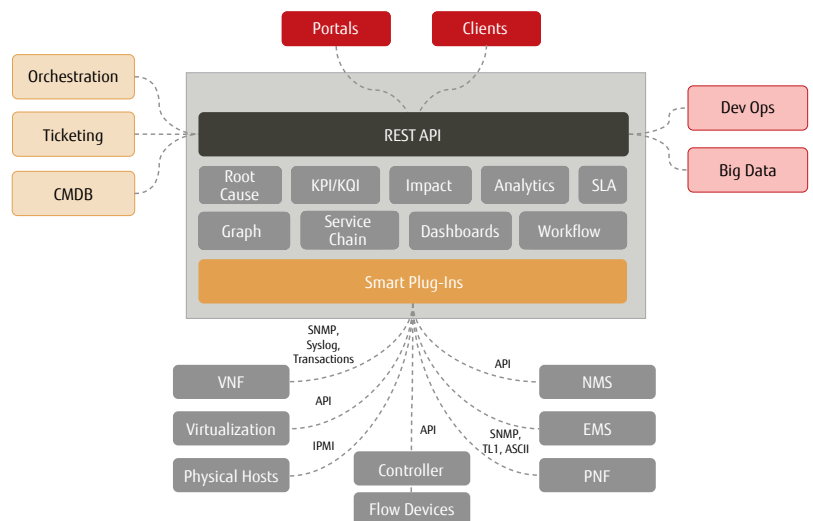
vSure offers comprehensive capabilities to handle the volatility and elastic nature of cloud and SDN infrastructure. vSure complements orchestration and completes the stack with a feedback loop into orchestration and cloud controllers.

Business Benefits:
- Increased agility
- Improved customer experience
- Ability to deliver new differentiating services
- Improved time to market
- Decreased downtime
- Reduced opex
- Simplified business operations
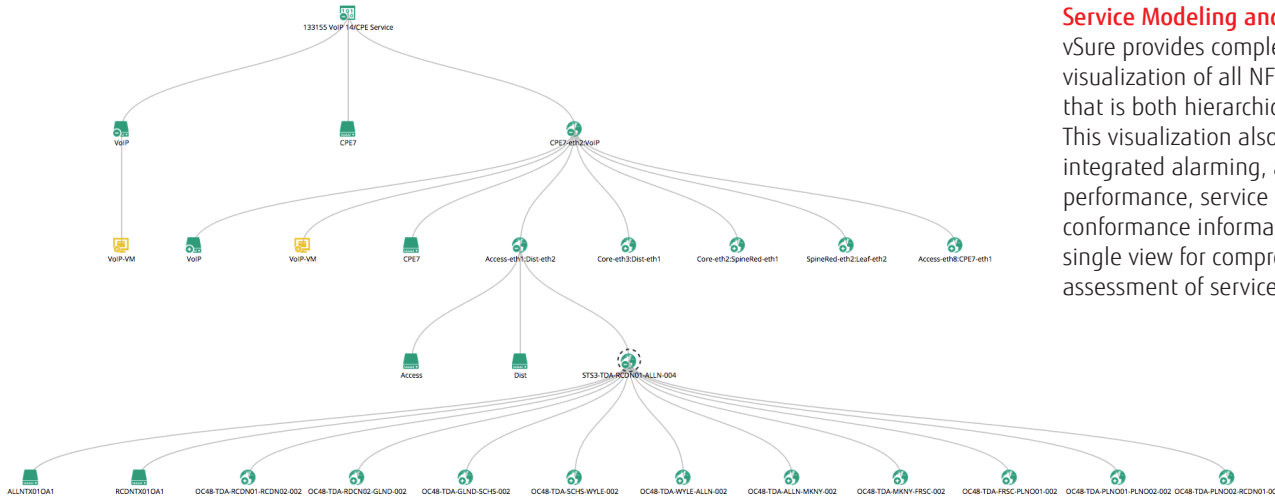
vSure® Differentiators
- End-to-end visualization of all NFV and SDN services
- Advanced analytics and reporting capabilities
- Root-cause and Impact analysis
- Graphical and tabular service quality assessment
- Closed-Loop feedback to orchestration, cloud, and SDN controllers
- Support for hybrid networks including OpenStack and OpenDaylight
- Smart plug-ins support any protocol or device type
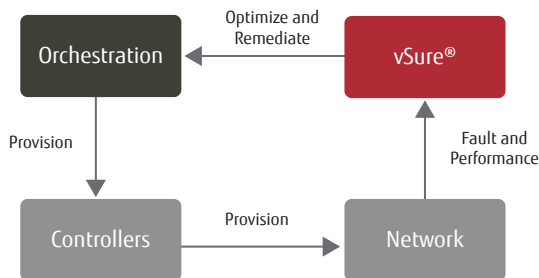

Advantages
- Dynamic and accurate view of which resources support each virtual service
- Comprehensive monitoring of entire infrastructure providing a complete, holistic view of network health
- Consolidated view of the health of each service and resource
- Quick troubleshooting of impacted services
- Analytic functions to understand network health, automatically remediate and optimize virtual networks
- Automatic identification of root-cause failures across all layers – application, virtual, physical, networking
- Automatic correlation and suppression of symptomatic failures
- Dynamic visualization of impacts of failures in near real-time
- Drill-down from an impacted service and quickly see the root-cause
- Rich and powerful assessment of service quality presented in a way meaningful to your business
- Insight into which markets, regions, or customers are performing poorly
- Automatic resolution of issues without manual intervention
- Increased consistency of problem resolution
- Reduced MTTR

End-to-End Visualization

Service Modeling and Visualization

vSure provides complete end-to-end visualization of all NFV and SDN services that is both hierarchical and multi-layer. This visualization also includes integrated alarming, availability, performance, service quality, and SLA conformance information making it a single view for comprehensive assessment of service health.

Closed-Loop Feedback

vSure automation provides dynamic, automated actions to root-cause issues. It provides feedback to orchestration, cloud, and SDN controllers so that failed or poor performing virtual services can be remediated or optimized.

OpenStack

vSure provides out-of-the box support for OpenStack environments. This includes comprehensive monitoring of OpenStack infrastructure as well as discovery and monitoring of virtual assets running on top of OpenStack.

OpenDaylight

vSure provides out-of-the box support for OpenDaylight and other SDN controllers. Via dynamic API based integration, vSure can discover and monitor all software defined assets that are under the control of each controller.

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