SolarWinds Hybrid Cloud Observability

One integrated solution, many use cases

The growing complexity of managing increasingly distributed IT across hybrid environments has driven the adoption of disparate tools. This creates information silos, reducing visibility, and slowing remediation, while demand is growing to increase service level agreements and service level objectives.

For organizations managing hybrid IT environments who need greater visibility and control, SolarWinds® Hybrid Cloud Observability is a full-stack solution designed to provide end-to-end oversight of service delivery and component dependencies. Hybrid Cloud Observability delivers visibility across on-premises and hybrid environments to help you reduce tool sprawl, accelerate issue resolution, gain deployment flexibility, and be cloud-ready.

Built on the SolarWinds Platform, Hybrid Cloud Observability provides unified visibility across hybrid IT environments by connecting and correlating data across networks, infrastructure, applications, databases, and security for rapid time to value and lower total cost of ownership. With flexible self-hosted deployment options and a path to the cloud via SolarWinds Observability*, Hybrid Cloud Observability will meet you where you are today and enable you to migrate at your own pace. This info sheet highlights a few of the many use cases for this integrated observability solution.

NETWORK MANAGEMENT

SolarWinds Hybrid Cloud Observability provides powerful and easy-to-use solutions to help you see, understand and resolve network issues.

Monitor the Performance of Your Networks

Hybrid Cloud Observability includes built-in multi-vendor monitoring for network devices, built to scale and expand as your needs evolve, including:

- Continuously monitoring network availability, helping you to reduce downtime and resolve connectivity issues

- Critical path visualizations, helping you troubleshoot network performance across on-premises, hybrid, and cloud environments, with hop-by-hop analysis

- Tools helping you to easily create custom network maps and visual packet paths

- Features enabling you to analyze your network performance, speeding up your problem identification and event correlation process through visual drag, drop, and overlay of performance metrics from multiple sources and data types on a single graph

- Advanced network alerting functionality to ensure alerts include the information you need to get to the root cause quickly

- Machine learning-powered functionality to minimize alert noise, with personalization options to define which messages you always need to receive, and which non-critical messages you can avoid during off hours

Gain Visibility and Reporting on Network Traffic Flows

Baked into Hybrid Cloud Observability are real-time network utilization monitoring, NetFlow analyzer capability, and bandwidth monitoring. Together these enable you to:

- Easily check your network bandwidth utilization

- Quickly identify bandwidth bottlenecks

- Get real-time alerts on network bandwidth utilization to help identify high-bandwidth users

- Turn usage data into useful network bandwidth reports

Troubleshoot and Manage Network and VoIP Quality

Get a head start with VoIP call quality issues with the voice-over-IP and network quality management functionality built into Hybrid Cloud Observability:

- Monitor VoIP call performance, Cisco® SIP and CUBE SIP metrics, and VoIP gateway performance, and PRI trunk and channel utilization

- Advanced VoIP troubleshooting, correlating individual call performance with corresponding network performance metrics

- Search and Filter Call Detail Records, with pictorial representation of packets exchanged from call start to call end

- Wizard-driven IP SLA setup, and for Cisco® Nexus 3000, 7000, and 9000 switches, automatic SLA discovery and monitoring

Track Users and Devices on Your Network

Hybrid Cloud Observability includes options for automated device and switch port management, helping you to stay in control of who and what connects to your network

- Automatically discovers, maps, and monitors switches, ports, and network devices, and quickly locates users and devices on your network

- Tracks used and free ports on switches and identifies switches operating near capacity

- Provides extensive device connection and user logon data to investigate incidents

- Generates templated customizable user and device reports

Analyze Logs Quickly and Easily

A powerful log management and analysis tool is included within Hybrid Cloud Observability, helping you realize the potential of your log data:

• Collect logs from your infrastructure and Windows® applications, to help dig into root causes

• Refine your data with included filters and search engine

• Use interactive charting to visualize log volumes, timelines, and results

• View your log data alongside your network and system metrics

Manage, Backup, and Automate Network Configurations

Save time and help improve network security and reliability, using built-in functionality to manage configurations, changes, and compliance for routers, switches, and other network devices:

• Supports leading network vendors including Cisco, Palo Alto Networks®, Juniper®, HPE®, Huawei®, F5®, Avaya®, and more

• Enables automated bulk deployment of standardized configs, with options for automatic backups of configs, enabling rollback to last known good config if required

• Enforce configuration sign-off policies and controls to maintain compliance, security, and consistency across the network infrastructure

• Easily correlate configuration changes with network issues to identify problematic configurations or settings, enabling targeted troubleshooting and resolution

• Automatically identifies IOS® devices with potential vulnerabilities, using the NIST® CVE repository service

• Compliance reporting on device configs for NIST FISMA, DISA STIG, HIPAA, DSS PCI, and more

SYSTEMS AND APPLICATIONS

Monitor Your Systems and Applications

This capability of Hybrid Cloud Observability is designed to help you monitor your applications and their supporting infrastructure, whether deployed on-premises, in the cloud or in a hybrid environment:

• Monitor your entire application environment from a single tool

• Over 1,200 monitoring templates for applications, systems, and infrastructure

• Comprehensive monitoring for Microsoft® applications, systems, hypervisors, IaaS, PaaS, and SaaS products

• Visualize and map the dynamic relationships between applications and servers, so you can discover network issues slowing down your applications

Manage and Monitor Your Virtual Environments

Included in Hybrid Cloud Observability is an intuitive tool designed for virtualization monitoring, performance management, capacity planning, and optimization across VMware vSphere®, Microsoft Hyper-V®, and Nutanix® AHV environments:

- Monitor your VMware vSphere, Nutanix AHV, and Microsoft Hyper-V environments from a single tool whether on-premises or in the cloud

- At-a-glance insight into the performance, capacity, configuration, and usage of your virtualized infrastructure, including hosts, VMs, clusters, containers, vSANs, and other data stores

- VM sprawl alerts and recommendations help you reclaim virtual resources quickly and easily

- Included chargeback reporting helps you calculate and report the costs of specific virtual workloads

Baseline, Track and Manage System Config Changes

Easily track system and application changes in your systems environment with Hybrid Cloud Observability:

- Detect, alert, and report on changes with hardware inventory, registry entries, binary and text files, software inventory, IIS configuration files, and script outputs

- Operationalize compliance monitoring for server and application configurations

- Capture and track who made configuration changes, compare current configs against a baseline or between two points in time, and correlate changes with network and application performance

- View and report on hardware and software inventories, and automatically detect infrastructure eligible for monitoring