

SolarWinds Hybrid Cloud Observability

Observability built to drive IT agility and productivity

Today, many IT leaders struggle to accelerate digital transformation while addressing typical challenges: a fast-paced and increasingly complex and distributed environment with multiple tools and vendors, cloud, BYOD, steep information growth, security, and many other concerns.

Organizations are also faced with staff restrictions and skills shortages and need to maximize the productivity of their talent. SolarWinds Hybrid Cloud Observability is a full-stack solution designed to help unlock your IT agility, enhance your cost savings, and reduce your business risk. Use built-in intelligence to accelerate troubleshooting and issue resolution and shift your team from reactive to proactive.

BUILDING ON CONSISTENT MARKET LEADERSHIP IN NETWORK AND INFRASTRUCTURE MONITORING

Digital transformation is accelerating, and the technology landscape is becoming more complex and distributed than ever. At SolarWinds, we've spent the past 20-plus years building solutions designed to give you a complete picture of your environment. It's also necessary to be able to filter through the noise and view the metrics in context with each other and within each environment.

SolarWinds Hybrid Cloud Observability is designed to enrich the monitoring data we gather from across disparate data types and deliver actionable insights to solve complex business problems. With this view across the entire stack, the SolarWinds Platform delivers actionable insights and recommendations to optimize your environment.

SolarWinds Hybrid Cloud Observability discovers and maps all devices in the environment using industry-standard protocols, such as SNMP, ICMP, WMI, or agents (where applicable), helping your teams analyze problems both holistically and in context. This analysis can be performed and viewed in real time or historically. Evolve beyond disparate tools and data sets to a dynamic solution based on automation, observation, visibility, and proactivity, and built on our commitment to simplified IT.

AT A GLANCE

SolarWinds® Hybrid Cloud Observability is a comprehensive, integrated, and full-stack observability solution that integrates data from across the IT ecosystem, including networks, servers, applications, databases, and more. Hybrid Cloud Observability is designed for organizations of all sizes and industries. Our platform includes built-in intelligence built to help customers optimize performance, ensure availability, and reduce remediation time across on-premises and multi-cloud environments.

DESIGNED TO

- Eliminate tool sprawl**
- Reduce alert fatigue and risk**
- Gain deployment flexibility**
- Be cloud-ready**
- Be Secure by Design**

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AIOPS IN SOLARWINDS HYBRID CLOUD OBSERVABILITY

Anomaly detection and alert noise reduction

Hybrid Cloud Observability is designed to help customers reduce their mean time to detection (MTTD) through diagnostic, assistive, and automation features. Anomaly detection (also called outlier detection) against metric-based data is the identification of unexpected events, observations, or items differing significantly from the norm. Hybrid Cloud Observability leverages anomalies to enhance the alerts users create, allowing them to define anomaly-based alert definitions based on the ongoing analysis of specific golden signals or key metrics. Hybrid Cloud Observability is built to provide a timeline-based view to visualize anomaly-based alert results, and displays alert noise reduction to accentuate the power of AIOps in Hybrid Cloud Observability. AIOps capabilities are available in Hybrid Cloud Observability Advanced edition.

FLEXIBILITY FOR YOUR ENVIRONMENT

License flexibility

Simple, node-based licensing of Hybrid Cloud Observability allows you to count your nodes and get everything you need in a single license. Purchase one license to cover all your nodes and deploy and consume however best works for your organization. Easily divide nodes among geographic locations, different business units, or across clients, and use the Enterprise Operations Console in the Enterprise Scale tiers to maintain an overview of distributed deployments in one centralized view. Gain observability into the full infrastructure stack and monitor and manage your network, applications, servers, databases, and more with a single solution. Whether your IT infrastructure consists of 25 nodes or 25,000, a SolarWinds Hybrid Cloud Observability subscription can help reduce downtime and improve overall business efficiency.

Deployment flexibility

Hybrid Cloud Observability solutions are designed for hybrid IT and support flexible deployment options, including private or public (self-hosted) cloud, hybrid deployment, or fully on-premises. The initial wizard-driven installation typically completes in minutes, so you can recognize value in the same day. Unlike other platforms, no time-intensive and expensive professional services are required to install. It comes with a rich set of out-of-the-box capabilities ready for use and the ability to customize to meet any unique business needs.

DIGITAL TRANSFORMATION

Customers making the transition from on-premises to cloud, or who need to maintain a hybrid model to support their organization, may choose to add SolarWinds Observability, delivered as a Service, to their Hybrid Cloud Observability deployment. (Additional purchase applies.) Push data from Hybrid Cloud Observability into the SolarWinds Observability cloud for a single, summarized view of data in the cloud. Mix and match data for truly comprehensive observability across your entire environment.

SECURE BY DESIGN

SolarWinds is leading the way to safer IT. We believe security should be a core competency of all organizations and are committed to setting a new standard in software development through a rigorous adherence to our advanced, multi-layer security framework from SDLC to infrastructure and people.

UNIFIED DATA

Security Observability

Layers of virtualization, containerization, and fabric overlays can make it difficult for security teams to properly view their network, identify threats, and remediate them reasonably. An intuitive security dashboard and enriched node details help detect, alert, and isolate alerts on critical incidents and events, enabling teams to understand, manage, and reduce cybersecurity risks to avoid business disruption. Extend your security visibility beyond firmware vulnerabilities and policy violations through integrations with Access Rights Manager, Security Event Manager, and Patch Manager (additional purchase applies).

AppStack

Performance issues can be some of the most challenging. Where the symptoms manifest may have no bearing on the root cause of the issue. With the [AppStack™](#) feature, you can see the application, all the underlying layers upon which it depends, and how they relate to each other. AppStack automatically correlates data from each layer and presents a top-to-bottom structure of the application, helping teams align to common data points and accelerating root cause identification.

PerfStack

[PerfStack™](#) performance analysis dashboards enable teams to compare disparate metrics and events across hybrid infrastructure. Users can drag and drop metrics from multiple data types, including network utilization, application performance counters, VM host memory, log events, configuration changes, and more into a composite metrics dashboard to visually correlate data into a single customized view. Drive cross-functional collaboration, reduce MTTR by identifying patterns and the root cause of problems, and go back in time to help understand the cause of past system behavior.

NetPath

The [NetPath™](#) feature provides end-to-end critical path visibility to display performance, traffic, and configuration details of devices in a common view. NetPath gives teams visibility into critical network paths regardless of location. Service and component-level visualizations streamline the way teams manage network services by delivering deeper insights and actionable intelligence. NetPath uses distributed monitoring and path analysis across hybrid networks to discover how applications are delivered to users. With full hop-by-hop visibility into the network path, users can understand their provider's network better than they do.

Intelligent Maps

SolarWinds **Intelligent Maps** display maps of physical and logical relationships between entities monitored by your Hybrid Cloud Observability deployment. Intelligent Maps can be auto-generated or customized by the user. Intelligent Maps allow data and dependencies from across the technology stack to be reconciled to one place, giving the data structure and adding context, making it easier to understand, transforming data into actionable information. Hybrid Cloud Observability Maps also includes the Time Travel feature, giving users the option to enable historical tracking of the map to view past events of a map and its members—such as downtime, alerts, and status—to help determine what occurred before an event or detect patterns and behaviors.

Customizable Dashboards

Hybrid Cloud Observability **dashboards** are where users can see the key information for their organization or role at a glance. Hybrid Cloud Observability dashboards present a default view, have many out-of-the-box capabilities, and are highly customizable. There are multiple widgets designed to present various information types, from maps to top-ten lists and more. Users can customize widgets, change their position or layout on the dashboard, and add or remove widgets to suit their needs. Customize dynamic, data-driven dashboards with various widget types or define role-specific dashboards, whether an executive-level summary or configuring a **NOC view**.

HYBRID IT

Hybrid IT Monitoring

Monitor on-premises or SaaS-based applications and infrastructure, including:

- Monitor AWS® and Azure® entities
- Correlate time-series data to discover system and application insights with the PerfStack dashboard
- Use NetPath to monitor the entire network path to your cloud environment
- Monitor cloud-managed wireless controllers and access points
- Get agent-based, agentless, and API-sourced cloud infrastructure metrics

DEVICE/NETWORK INSIGHT

Troubleshoot advanced network devices

Networks today often contain complex hardware not well covered by standard monitoring tools. SolarWinds Network Insight™ simplifies the management of

complex network devices by providing the right information for each device's unique role in the network.

- Help ensure service availability with health and performance monitoring for critical data center switches, such as Cisco Nexus®.
- Automate the monitoring and management of Cisco ASA firewall infrastructure in a single unified platform.
- Easily monitor the connectivity of site-to-site and Global VPN tunnels and user VPN sessions with Network Insight for Palo Alto Networks firewalls
- Monitor every access list to detect or eliminate shadowed or redundant rules. Manage the entire application delivery environment with Network Insight for F5® BIG-IP®.

WORKFLOW INTEGRATIONS

Alert Integrations

SolarWinds Hybrid Cloud Observability customers can propagate alerts to SolarWinds Service Desk® and ServiceNow. This enables the SolarWinds Platform to automatically open tickets based on critical events defined within SolarWinds Platform software.

With this integration, you can do the following:

- Automatically create incidents based on alerts triggered in the SolarWinds Platform
- Synchronize the acknowledgment of SolarWinds Platform alerts and ServiceNow and SolarWinds Service Desk incidents
- Automatically update, close, and reopen SolarWinds Service Desk and ServiceNow incidents

Scalability

Hybrid Cloud Observability Enterprise Scale is designed to provide observability and management for large, complex, or distributed environments fitting for enterprise-class infrastructures.

Additional polling engines (APEs) can be added as the number of elements to be monitored grows, while additional web servers scale to the number of supported users. With the Enterprise Operations Console (EOC), you can centralize and simplify data management for multiple instances in a single consolidated view. Reduce the risk of data loss with failover protection for your Hybrid Cloud Observability server with High Availability (HA). Maximize the benefits of your software with direct access to Advanced Support and reduce risk by testing third-party integrations, planning architecture designs, and developing proof-of-concept projects with a Lab License.

Hybrid Cloud Observability Message Center

The Message Center provides a view to see all events, alerts, traps, and syslog messages on your network. The interface allows for fine-grain filtering for information the user wishes to focus on. This filtering can be focused on user-defined time frames and based on criteria such as the network object, type of device, vendor, IP address, and hostname.

PRODUCT INTEGRATIONS

Hybrid Cloud Observability is built on an open platform allowing clients to integrate into the broader IT operations ecosystem. This can include ready-to-go integrations with other SolarWinds solutions or interoperability with third-party applications.

The following SolarWinds products are **integrated with** Hybrid Cloud Observability:

- [Database Performance Analyzer \(DPA\)](#)
- [Access Rights Manager \(ARM\)](#)
- [Security Event Manager \(SEM\)](#)
- [Service Desk](#)
- [AppOptics](#)

Hybrid Cloud Observability also offers integrations with third-party applications/platforms—such as ServiceNow—and interoperability with third-party infrastructures, such as switches, cloud platforms, hypervisors, and virtual machines.

The SolarWinds Platform SDK/API

The [SolarWinds Information Service \(SWIS\)](#) is a data access layer for the SolarWinds Platform. It has its own SQL-like language called SolarWinds Query Language (SWQL). SWIS provides an application programming interface (API) for the SolarWinds Platform.

The **SolarWinds Platform SDK** is an open-source software designed to make it easier for system administrators and developers to use SWIS. It can help you automate processes, integrate with other products, or access information from the SolarWinds Platform. The SolarWinds Platform SDK, also called the Orion SDK, includes **SWQL Studio**, a graphical query tool for running SWQL queries. It also includes the [SWISPowerShell module](#).

TRY IT FREE

Fully functional for 30 days

ABOUT SOLARWINDS

SolarWinds (NYSE:SWI) is a leading provider of simple, powerful, and secure IT management software built to enable customers to accelerate their digital transformation. Our solutions provide organizations worldwide—regardless of type, size, or complexity—with a comprehensive and unified view of today’s modern, distributed, and hybrid network environments. We continuously engage with technology professionals—IT service and operations professionals, DevOps and SecOps professionals, and database administrators (DBAs)—to understand the challenges they face in maintaining high-performing and highly available IT infrastructures, applications, and environments. The insights we gain from them, in places like our THWACK® community, allow us to address customers’ needs now, and in the future. Our focus on the user and our commitment to excellence in end-to-end hybrid IT management have established SolarWinds as a worldwide leader in solutions for observability, IT service management, application performance, and database management. Learn more today at www.solarwinds.com.



*For additional information, please contact SolarWinds at 866.530.8100 or email sales@solarwinds.com.
To locate an international reseller near you, visit http://www.solarwinds.com/partners/reseller_locator.aspx*

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