

Splunk® for Virtualization

Visibility and cross-tier correlation for the largest virtual environments

The Virtualization Problem

While virtualized environments are significantly more cost-efficient than traditional IT infrastructures they are also very complex. Virtualization tiers introduce additional layers of abstraction in datacenters making problem investigation, resolution and avoidance difficult.

Existing IT management technologies either offer inadequate insights into virtual environments or provide a limited view and focus solely on the virtualization layer. Most of them also cannot collect or store performance data at full fidelity due to storage limitations and the inability to scale. As a result, many problems in virtualized environments remain unresolved and therefore keep recurring.

Enter Splunk

Splunk® Enterprise™ is a scalable and versatile engine for machine data such as logs, performance metrics and events. It offers a unique approach to solving difficult problems in complex virtualized environments. Use Splunk to collect, index and harness the power of your machine-generated IT data across your virtualized infrastructure including the hypervisor, guest operating systems, applications as well as the underlying server, storage and network devices.

Splunk lets you:

- Centrally monitor, alert, report and analyze metrics, logs and events in real time across the entire virtual stack
- Correlate and connect events across infrastructure levels and technologies with the powerful search language of Splunk Enterprise
- Proactively detect performance issues and prevent them from impacting end users
- Determine root cause of outages or performance problems up to 70% faster
- Retain transient data for trending, historical analysis, security and compliance
- Flexibly address reporting or operational analytic requirements such as capacity planning, usage analyses and asset reporting in the continuously changing virtual environment
- Scale to handle big data problems faced by the largest datacenters, with its unique MapReduce based, schema-less technology

Splunk Apps for Virtualization

Splunk Apps for virtualization combine the power and flexibility of Splunk with a tailored experience for virtualization technologies. These apps accelerate data collection from the virtual infrastructure and allow this data to be mashed up with data from other technology tiers such as storage, networking, applications and operating systems.

Splunk Apps for VMware/XenServer

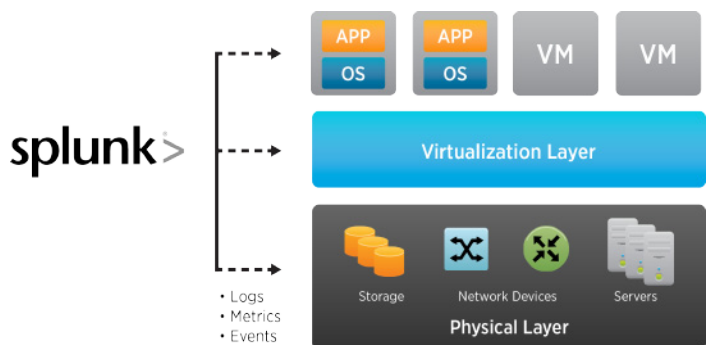
These Splunk Apps collect and harnesses data from the hypervisor layer to enable true end-to-end visibility in virtualized environments.

The Splunk App for VMware collects logs and performance metrics directly from VMware vSphere hosts as well as logs, inventory, tasks and events from vCenter Server.

The Splunk App for XenServer collects performance metrics directly from Citrix XenServer hosts and environment information from the pool master

These apps enable:

- Retention of transient performance data at deep levels of granularity and in full fidelity for troubleshooting, analysis and trending
- Proactive real-time monitoring to generate alerts or trigger other remediation actions
- Flexible reporting and analysis of tasks and events data to meet security, audit or compliance requirements
- Easy correlation of virtualization layer data with data from other tiers such as applications running inside virtual machines as well as the underlying server, storage or networking hardware
- Operational analytics such as capacity reporting, asset reporting, usage reporting, change tracking and more



Splunk App for Citrix XenDesktop

The Splunk App for Citrix XenDesktop integrates with various components of your desktop delivery infrastructure to provide new levels of visibility into the performance and availability of your VDI environment.

The Splunk App for XenDesktop comes with built-in dashboards and reports that enable:

- Monitoring and trending the resource utilization of your deployment to support capacity planning for virtual desktops, desktop catalogs, user groups and hosting servers
- Scoring of user experience and proactive notification against issues like resource bottlenecks, application crashes, ICA/HDX latency and bandwidth availability
- Proactive alerting for resource hogs, disk constraints, application crashes, ICA issues and more
- Monitoring user sessions including details such as agent, endpoint, ICA/HDX session information
- Comparing OS, patch and BIOS info of your virtual desktops as well as resource utilization, version and usage of installed software packages
- Reporting with over 100 pre-packaged reports and data correlations, providing IT decision makers insights into capacity utilization, infrastructure health, resource consumption, software utilization and desktop virtual machine usage

Splunk App for Citrix XenApp

The Splunk App for Citrix XenApp integrates with various components of your application hosting infrastructure including XenApp Zone Data Collectors, XenApp Servers as well as Citrix licensing to provide the real-time visibility and reporting needed to make XenApp environments successful.

The Splunk App for Citrix XenApp helps you:

- Monitor XenApp deployments in real time to proactively find problems such as performance issues or errors that could impact users
- Plan for deployment capacity based on trending of usage statistics of servers as well as applications that run in them
- Provide a single pane of glass for multiple XenApp farms
- Centrally detect and isolate security incidents that might compromise the infrastructure
- Correlate events and metrics collected from the XenApp deployment with information from the underlying hypervisor, server, storage and network devices
- Provide insight into ICA clients and user devices being used in your environment
- Proactively alert on critical issues with your XenApp infrastructure

Free Download

Download [Splunk](#) for free. You'll get a Splunk Enterprise license for 60 days and you can index up to 500 megabytes of data per day. You can convert to a perpetual Free license or purchase an Enterprise license by contacting sales@splunk.com.