

Cloudistics Delivers Splunk-Ready On-Premises Cloud Platform

Splunk® Enterprise is the leading software platform for delivering valuable insights into machine generated data gathered from IT infrastructure. Splunk architects have turned to the cloud to simplify management and avoid complexity and headaches of traditional infrastructure—however ballooning cloud costs and unpredictable performance has left many seeking an on-premises infrastructure that delivers the high performance and data security needed for a Splunk environment.

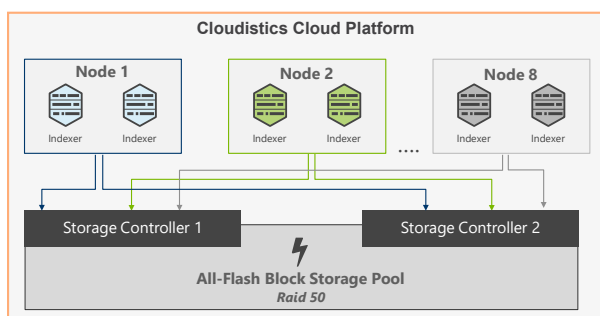
Cloudistics delivers an all-in-one platform perfect for running Splunk, that provides the same simple management and fast time-to-value of the public cloud, but with the control, high performance, and security of an on-premises infrastructure. All of this for 1/3rd of the cost of a traditional infrastructure and 1/2 the cost of the public cloud.

By natively converging network, storage, compute, virtualization, and management into a single software-defined platform — the Cloudistics platform delivers everything needed to deploy and run Splunk in minutes-- all the hardware, software, and management tools needed to create a dedicated high performance Splunk infrastructure.

With incremental scale of all-flash virtual storage, compute and virtual networking resources, Cloudistics delivers optimal performance and the highest rates of ingest, search and retention. Cut your deployment times down to just minutes. Cloudistics' single web-based management portal, Ignite, provides a marketplace of pre-built templates for Splunk searchers, indexers, and universal loggers—that enables Splunk to be deployed in as little as 3-clicks. These templates are fine-tuned for maximum performance and are built on top of both CentOS, Red Hat® and any custom configuration to provide complete flexibility.

Cloudistics makes it possible to scale up and out— scale up a single site or scale out to multiple sites all from a single-pane-of-glass. The Cloudistics platform provides incremental scale that enables you to provide just-in-time resources for rapid ingestion with real-time search results. This provides insight, and correlation of your environment within seconds instead of hours, and sometimes days.

With secure virtual networking, elastic storage, and SaaS management, Cloudistics is the blueprint for application-optimized on-premises cloud deployments. With multi-tenant support that includes both physical and virtual separation, Cloudistics enables predictable performance of Splunk within the environment.



Splunk Without Limits

Splunk Ready

Cloudistics delivers the fastest time-to-value for your Splunk environment enabling you to rack, deploy and add Splunk resources on-the-fly.

Splunk For Less

Cloudistics all-in-one platform is managed from a single SaaS portal that delivers the simple management and provisioning of the public cloud for 2x lower cost.

Splunk With Speed

Cloudistics' all-flash storage and virtual networking delivers 3x the performance of a traditional bare metal implementations and 8x the performance of the public cloud.

Splunk That Scales

Optimized for real-time search results and large ingest rates, Cloudistics enables independent scaling of storage, network, and compute resources that scales up to ingest rates of up to tens to hundreds of tereabytes per day.

Splunk Made Simple

All hardware and software is managed from a single web-based portal that simplifies management and provisioning of your Splunk environment.

Cloudistics Ignite Advantages

- **Quick and Easy Deployments**

Go from power-on to deployment in minutes. Just download the Splunk template from the Cloudistics Ignite Marketplace and create a Splunk instance with a few clicks.

- **More Daily Ingest and Faster**

Starting with a 6U configuration, Cloudistics delivers 10GBs of data ingest/day that can be scaled to over 10TBs of ingest/day with 30 days of retention. Cloudistics provides the density, performance, and flexibility Splunk needs to provide consistent search results.

- **Faster Index and Search**

All-flash storage enables consistent low latency search results, which enables the business to react quicker, mitigate issues faster, and become an agile enterprise with Cloudistics and Splunk.

- **Simple Management**

The Cloudistics platform is purpose-built for Splunk, making the infrastructure invisible. Now enterprises can focus on collecting, analyzing, and responding to information instead of managing the underlying infrastructure.

Cloudistics Ignite Platform

The Cloudistics Ignite platform delivers all hardware and software needed to deploy an on-premises cloud. The Platform converges best-in-class compute, all-flash storage, and software-defined networks with next-generation software, all managed from a single web-based management portal to deliver the fastest, simplest, and most cost-effective cloud platform.

Network Block



Cloudistics software-defined routers (SDR) along with Cloudistics Adaptive Overlay Network (AON), delivers automated network provisioning to enhance network agility and enable segmentation. Delivered in two configurations, 10GbE or 100GbE SDR with 40GbE uplinks, Cloudistics delivers the flexibility and high performance needed to reduce time-to-market and scale on-demand.

10/40 GbE Software-Defined Router

- High-density, 48 x dual-speed 1/10GbE (SFP+) ports and 6x40GbE (QSFP+) top-of-rack switch
- Fully hardware accelerated 1.44Tbps (full-duplex) non-blocking switching fabric delivers line-rate performance
- Ultra-low sub-400ns latency

100 GbE Software-Defined Router

- Multi-rate switch offering 10/25/40/50/100GbE options
- High density with 32 ports of 100GbE (QSFP28) in 1RU
- Ultra-low sub-400ns latency
- Support for multi-bonded connections to compute and storage blocks

Compute Block



The compute block is a highly modular 2U rack-based enclosure. With a KVM-based hypervisor built-in, Cloudistics enables compute workloads to scale quickly, simply, and as needed without the expense and inefficiency of overprovisioning. Each compute block contains between 2-8 compute hosts that can scale to 1024 per tenant.

- 8 Small or 4 Medium dual socket nodes per block Powered by Intel® Xeon® processor E5-2600 v4 product family

Small Node(s)

- CPU configuration options 10, 14, or 18 cores per socket
- 128, 256, or 512 DDR4 RAM per Blade

Medium Node(s)

- CPU configuration options 10, 14, or 18 cores per socket
- 128, 256, or 512 DDR4 RAM per Blade

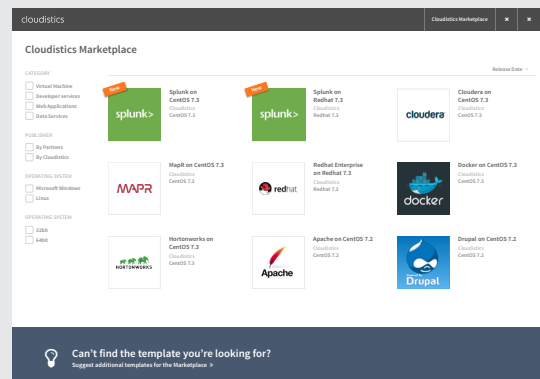
Storage Block



The storage block is a fully redundant software defined storage (SDS) array. The architecture enables storage capacity and performance to scale linearly and quickly, and as needed without the expense and inefficiency of overprovisioning. A single 2U Cloudistics storage block delivers a throughput of 5GB/s and 200,000 IOPs with all-flash storage. There is no upper limit to the maximum number of storage blocks. With storage federation, customers can start with one storage block and scale to exabyte of capacity.

- Active/Passive Controllers
- Supports up to 32 flash modules, always-on thin provisioning, single instancing, application aware snapshots, and a-sync replication between blocks
- Configured all-flash modules in a Raid50 group
- 3D VNAND enterprise flash modules
- Choice of 2TB, 4TB or 8TB Self Encrypting Drives (SED)
- Scale up from 10.8 TB to 164 TB within the 2U storage block, scale out beyond that with multiple federated storage blocks to petabytes

TEST DRIVE SPLUNK ON CLOUDISTICS



Go from power on to deployment in minutes. Just download the Splunk indexer and search head templates from the Cloudistics Marketplace and create a Splunk instance with a few clicks.

No hardware installs, just launch from the cloud www.cloudistics.com/virtualabb

*CentOS and Red Hat are registered trademarks of Red Hat, Inc. ("Red Hat")
Splunk is registered trademark of Splunk, Inc.
Intel and Intel Xeon are registered trademarks of the Intel Corporation