THE ON-DEMAND DATA CENTER AT WORK

Deploy Splunk on Dedicated Infrastructure at Cloudlike Speed

Splunk Enterprise is the leading software platform for enabling and managing machine data gathered from IT infrastructure.

The job of a Splunk architect has become challenging with rapid growth of IT infrastructure across an increasingly hybrid environment. Speeding analysis, reducing complexity, assuring data security, and increasing agility are top priorities. Splunk installations today do not work effectively on traditional IT infrastructure. It takes too long to deploy and cannot scale fast enough to keep up with demand. Managing Splunk deployed on traditional infrastructure takes precious resources away from gathering and analyzing the data to simply care for the underlying platform.

BENEFITS

- Rapid deployment
- Security and control of dedicated environment
- Agile, future-proof platform
- Flexible operating expense cost model
- Fast and easy scaling to support growth

THE SOLUTION

CXD Compute Nodes provide an on-demand colocation solution. Combining space, power, cooling, and remote hands with Nutanix Powered on-demand dedicated hyperconverged infrastructure (HCI) compute nodes. Cyxtera's Extensible Data Center platform (CXD) delivers data center services in a cloudlike consumption model. CXD Compute Nodes uses HCI to deliver dedicated compute and storage infrastructure for customers as a monthly service with no up-front capital required. Additionally, Compute Nodes future-proof the infrastructure, allowing for easy hardware expansion and upgrade to new hardware without service interruption or additional capital expenditures. Cyxtera and Nutanix have defined three proven configuration blueprints for Splunk to further accelerate your deployment.

Additional nodes can be added with just a few clicks as data ingest volumes increases and the number of analytics users grows. On-demand configuration and deployment allow your data gathering and analysis platform to be as agile as the infrastructure that generates the data.

SAMPLE CONFIGURATION

An initial deployment of 3 CXD Compute Nodes alongside colocation can handle ingest and indexing of up to 100GB of machine data per day. With CXD it is as easy as point, click, and provision. to add additional Nodes as daily data volume and users increases.

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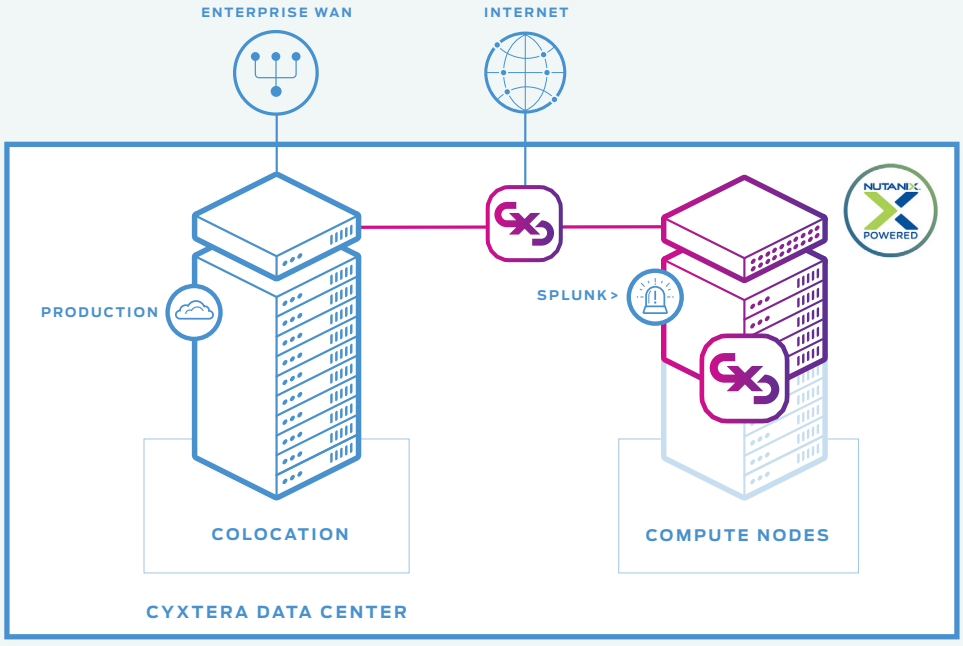

CXD COMPUTE NODES AND CXD IP CONNECT PROVIDE AN IDEAL INFRASTRUCTURE PLATFORM FOR SPLUNK.

BLUEPRINT CONFIGURATION SPECIFICATIONS

CYXTERA CXD COMPUTE NODES

Option 1: Up to 100GB/day Avg Index Rate, 3 NTX1 Hybrid Compute Nodes

	PER NODE	TOTAL CAPACITY
Cores	24	72
CPU Speed	2.1 GHz	2.1 GHz
RAM	256 GB	768 GB
HDD Storage	8.0 TB	24 TB
SDD Storage	3.8 TB	11.4 TB

Option 2: Up to 300GB/day Avg Index Rate, 3 NXT4 Hybrid Compute Nodes

	PER NODE	TOTAL CAPACITY
Cores	60	180
CPU Speed	2.4 GHz	2.4 GHz
RAM	768 GB	2.3 TB
HDD Storage	48.0 TB	144 TB
SDD Storage	7.7 TB	23.1 TB

HYPERVISORS

Nutanix Acropolis Hypervisor

APPLICATION / WORKLOAD

Index 30 – 300 GB/day of machine generated data

CONNECTIVITY

CXD IP Connect (blended Internet) – 1 Gbps Enterprise WAN

Cyxtera

CYXTERA.COM/DATA-CENTER-SERVICES