



splunk®

Reaching Cloud Nirvana in a Multicloud World

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Outlook 2012 | Vídeo 16

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Agenda

- ▶ Speakers
- ▶ Challenges of the Multicloud world
- ▶ Path to Cloud Nirvana
- ▶ Splunk's Evolution to Cloud
- ▶ Hybrid Cloud with Splunk
- ▶ Splunk Insights for Multicloud at the innovation lab

Speakers



KAMILO “KAM” AMIR

Splunk Cloud Architect



SUBU BASKARAN

Cloud Product Manager

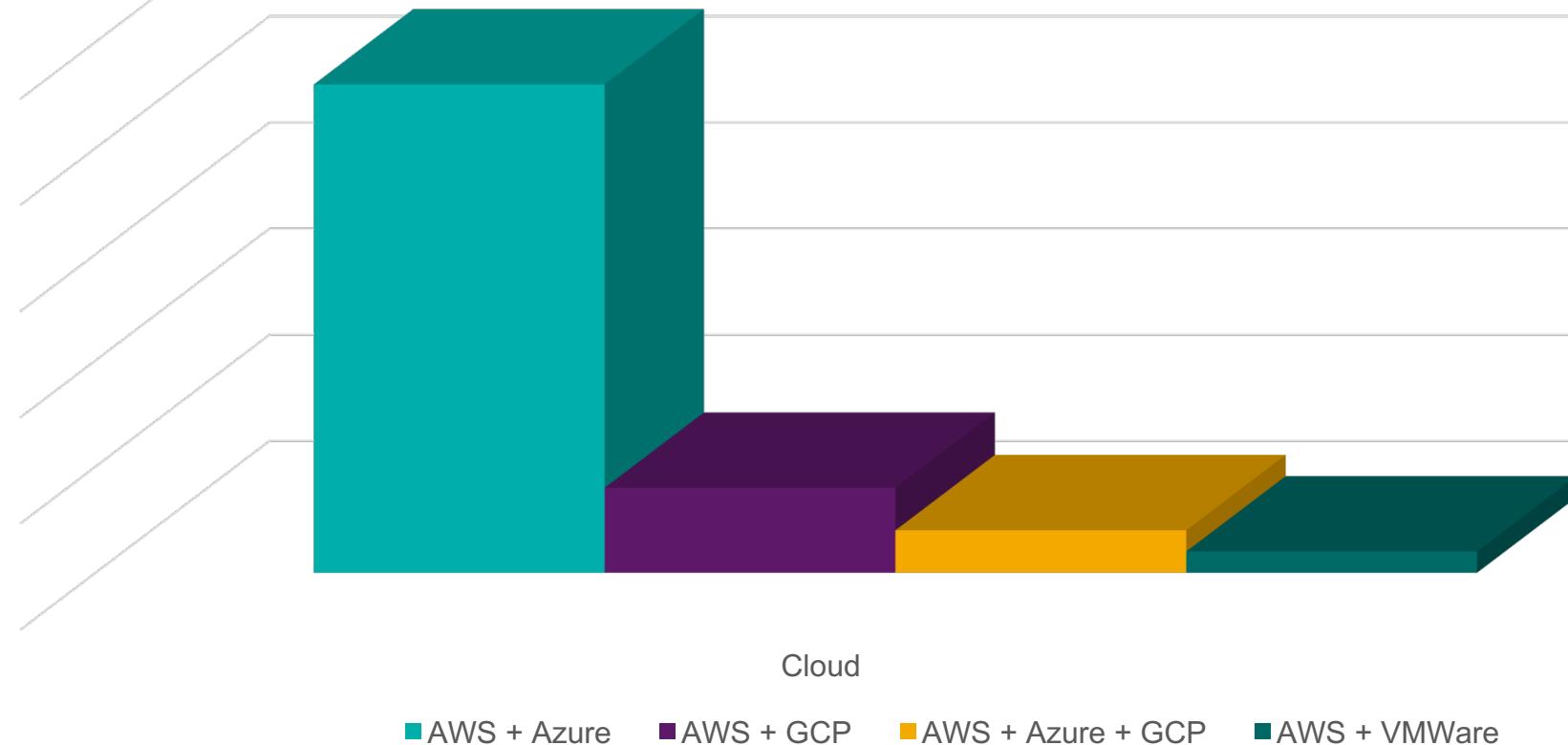
“Your firm is a Multicloud organization today, but it probably got there by accident. Move from accidental Multicloud to strategic Multicloud”

A Clear Multicloud Strategy Delivers Business Value” - Forrester



Multicloud Pairing

Popular pairing of public clouds

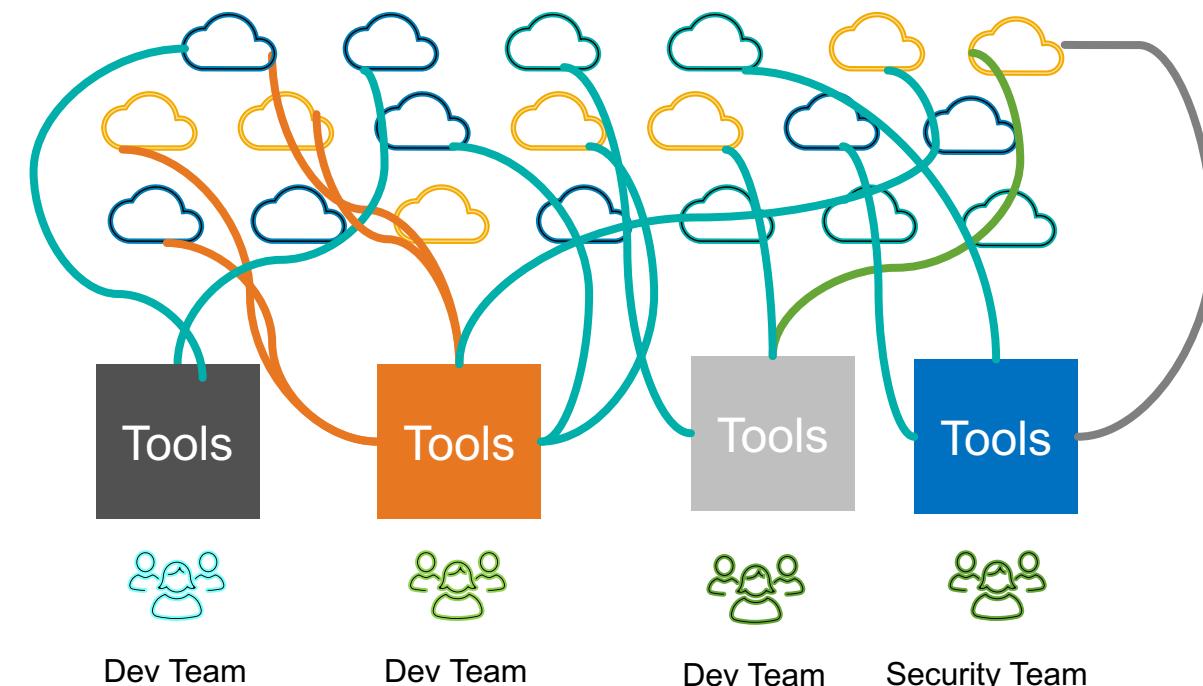


Splunk Cloud August 2018

Challenges of the Multicloud World



Challenges of the Multicloud World

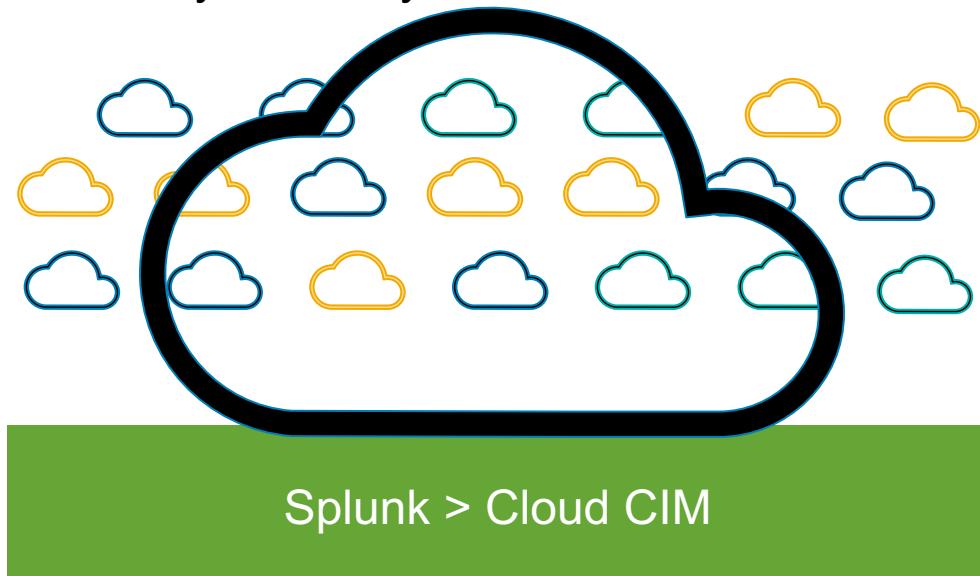


- ▶ It starts with one team and quickly spreads
- ▶ Too many tools
- ▶ No overall visibility
- ▶ No consistent security / governance policy
- ▶ Shadow IT

Visibility

“All Apologies,” developers asking the IT for help

First step is getting visibility into your various clouds both public and private, centralize logging and start building an inventory of what you have.



Splunk+
Dev Team



Splunk+
Dev Team



Splunk+
Dev Team



Splunk +
Security Team

Start by normalizing your cloud deployments into one data platform

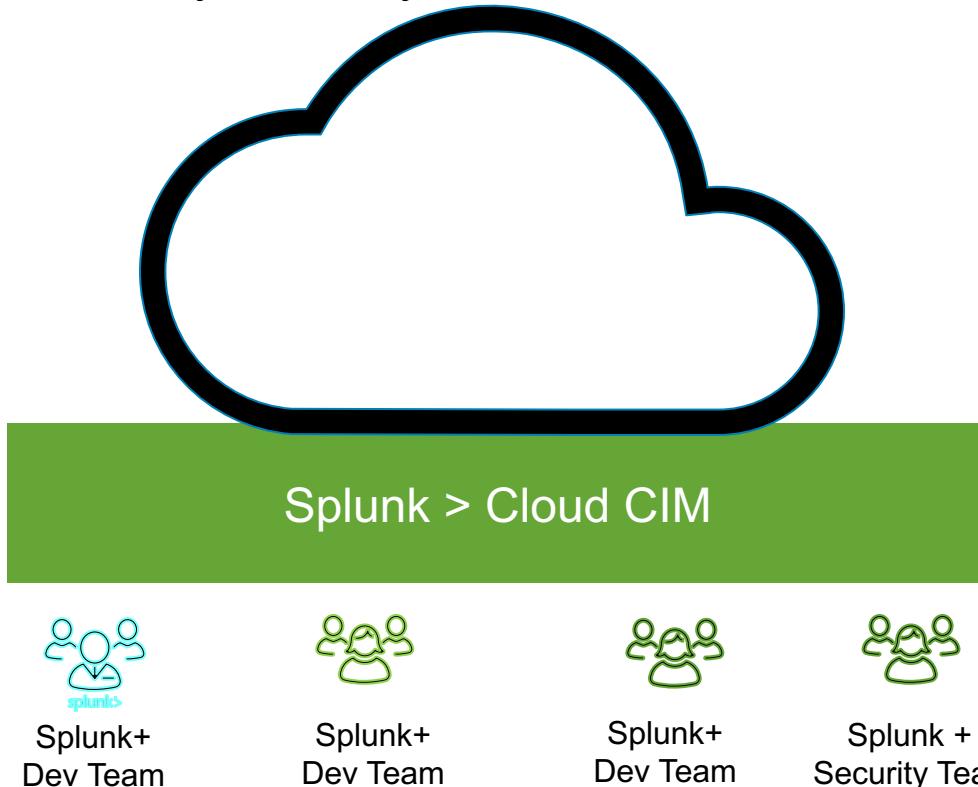
Leverage existing Technology Add-ons from Splunk to collect data from cloud platforms

Create single dashboard to gain visibility into your various cloud deployments

Visibility

“All Apologies,” developers asking the IT for help

First step is getting visibility into your various clouds both public and private, centralize logging and start building an inventory of what you have.



AWS:

- [Splunk App for AWS](#)
- [Splunk Add-on for AWS](#)
- [Splunk App for Guard Duty](#)
- [Splunk Add-on for Kinesis Firehose](#)

Azure:

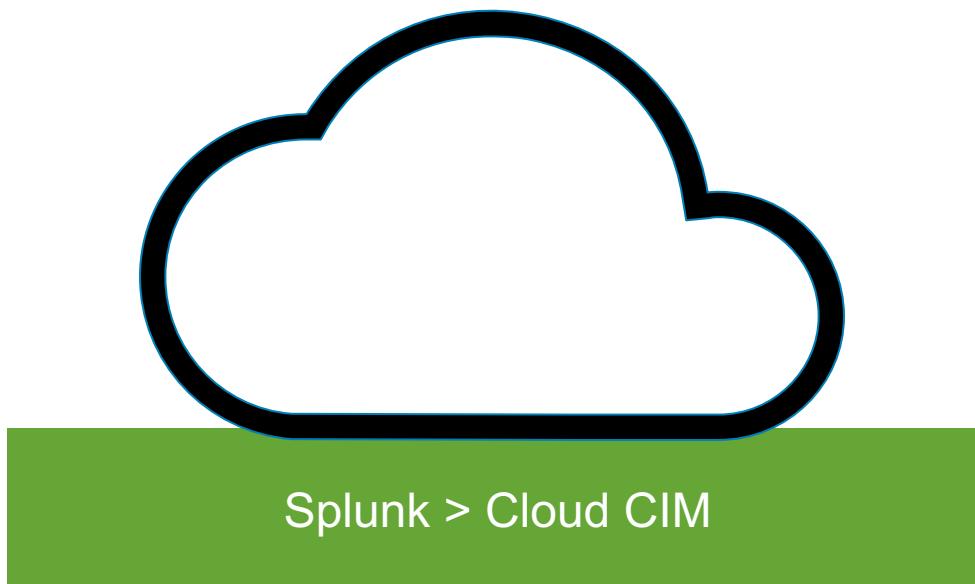
- [Splunk Add-on for Microsoft Cloud Services](#)
- [Azure Monitor Add-on for Splunk](#)
- [Microsoft Azure Template for Splunk](#)
- [Microsoft Azure Billing Add-on for Splunk](#)
- [Microsoft Azure Inventory Add-on for Splunk](#)
- [Microsoft Azure Active Directory Reporting Add-on for Splunk](#)

Google Compute:

- [Splunk Add-on for Google Cloud Platform](#)

Value

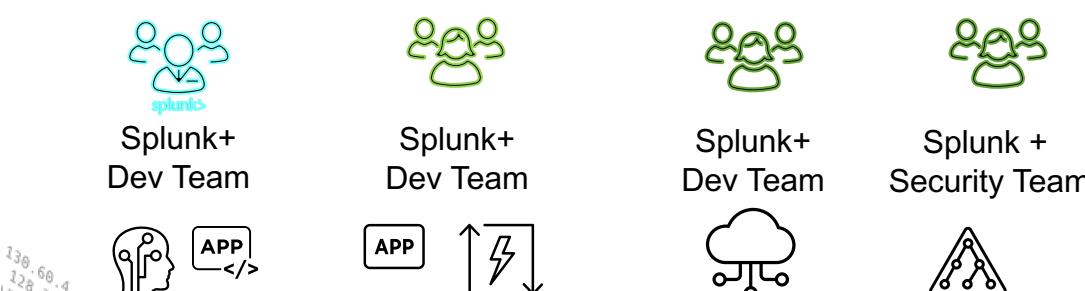
Work together and gain insight from your Multicloud, build a strategy



Make data driven decisions when selecting which cloud to use

Intelligently deploy Application Workloads

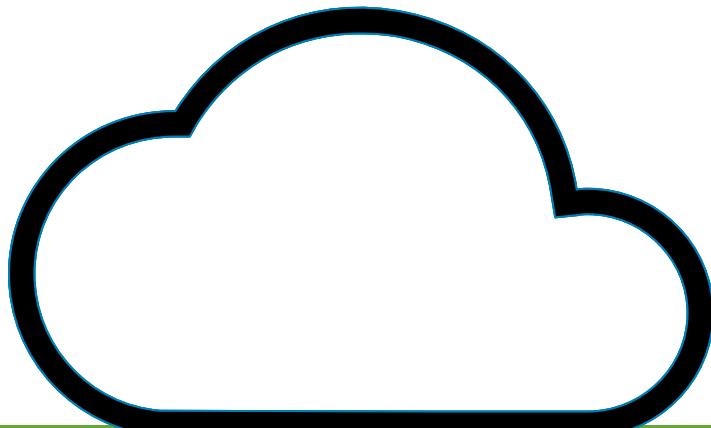
It's not just a cost decision, but a "best of breed discussion."



Velocity

Developers, “Come as You Are”

- ▶ Rapid Deployment
- ▶ Infrastructure as Code testing
- ▶ CI/CD validation
- ▶ Securing Cloud resources



Splunk > Cloud CIM



Splunk+
Dev Team



Splunk+
Dev Team



Splunk+
Dev Team



Splunk +
Security Team



Splunk +
QA Team



Splunk +
Mobile Team



Evolve

Transforming your application to the cloud

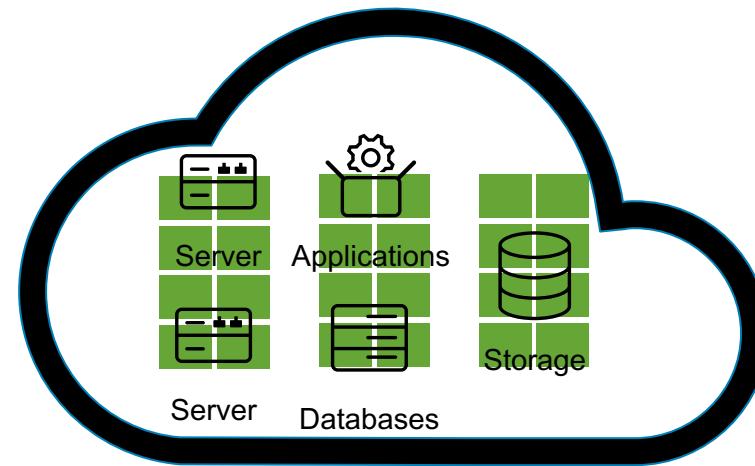
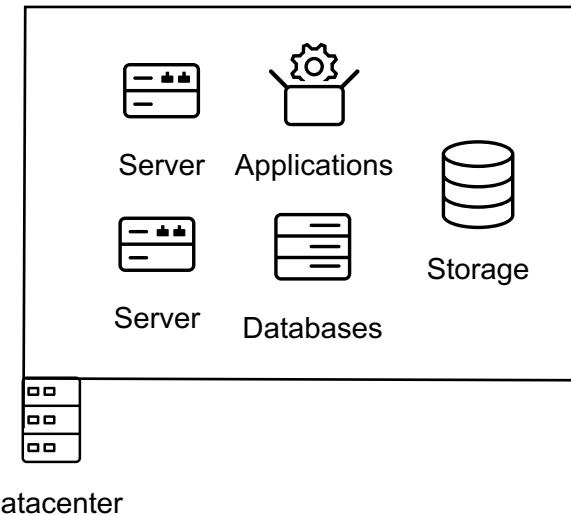
- ▶ Quickly evolve application to "Cloudy" version
 - ▶ Unleash your app to take advantage of all the Cloud resources
 - ▶ Leverage Splunk to help with your migration from monolithic to microservices
 - Security
 - Operations
 - Cost Analysis
 - Performance Analysis
 - Build into DevOps Process



Splunk's Evolution to Cloud

“Something in the Way” Splunk in the Cloud to Stateless Cloud

- ▶ Splunk on AWS !=Service, Splunk Cloud = Service
 - ▶ Scale, automation and configuration management
 - ▶ DevOoops
 - ▶ Understand customer's uses of product, gear it towards strength, cut out waste
 - ▶ Learn from us 😊

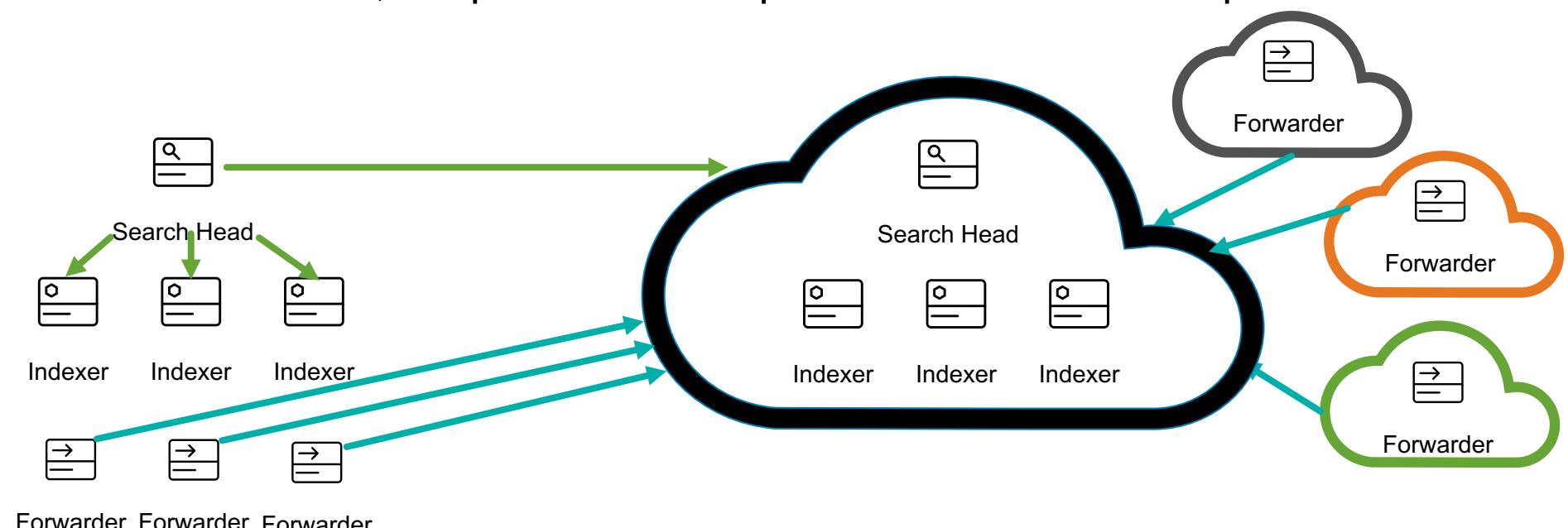


Hybrid Cloud with Splunk

Hybrid between on premises and cloud

► Splunk as an example

- While migrating off on premises hardware, setup hybrid to search older data. Once it ages off, shutdown legacy indexers.
- Cutover forwarders to Cloud and collect only in Cloud
- Migrate primary workload to Cloud, keep dev / test on premises or in a less expensive cloud

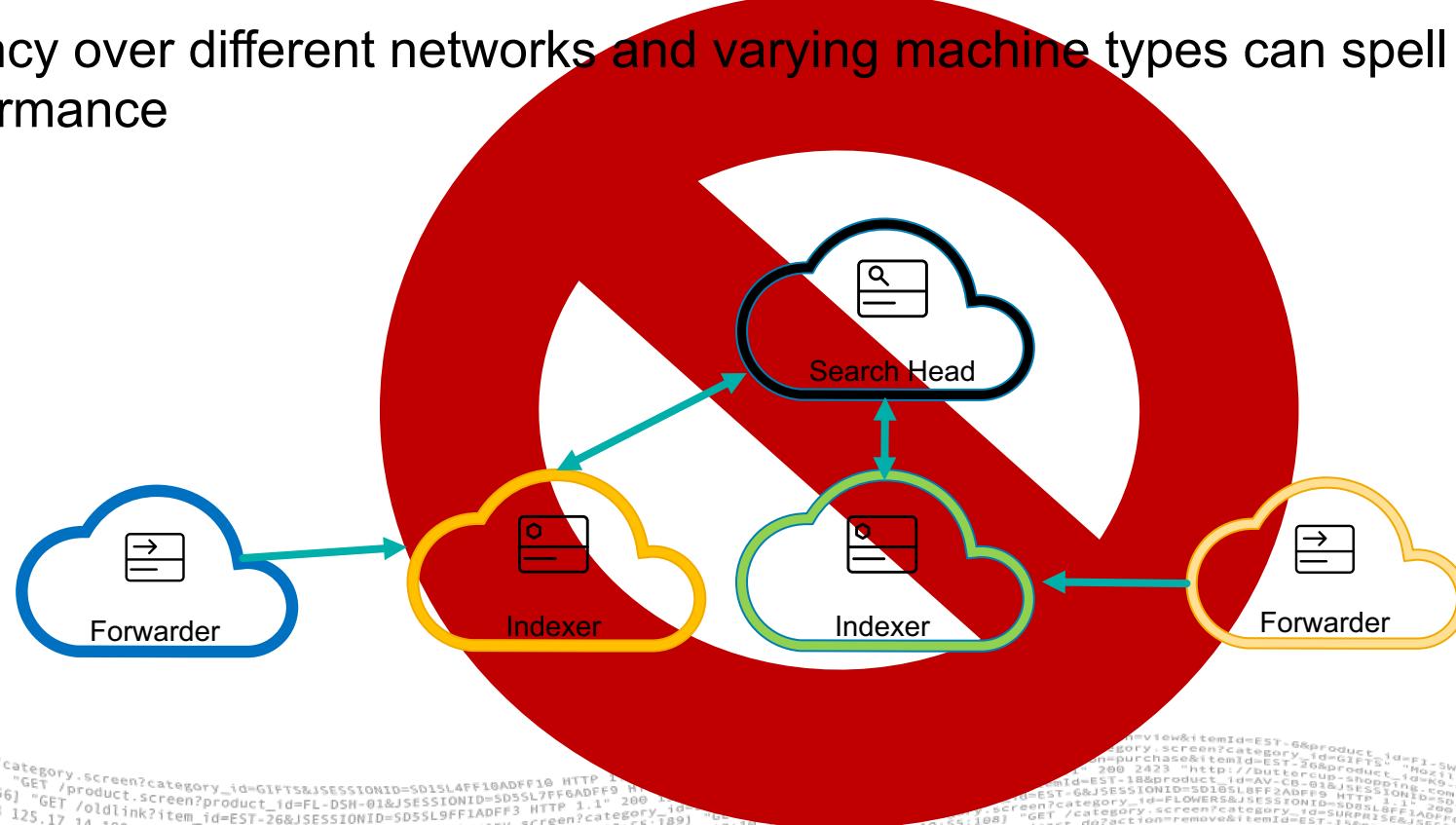


Hybrid Cloud with Splunk

Hybrid spread across clouds not recommended

► Splunk as an example

- Separating indexers from search heads to ‘save cost’ will end up hurting performance and cost more in the long term
- Transit costs can add up when dealing with Bundle Replication etc.
- Latency over different networks and varying machine types can spell trouble search performance

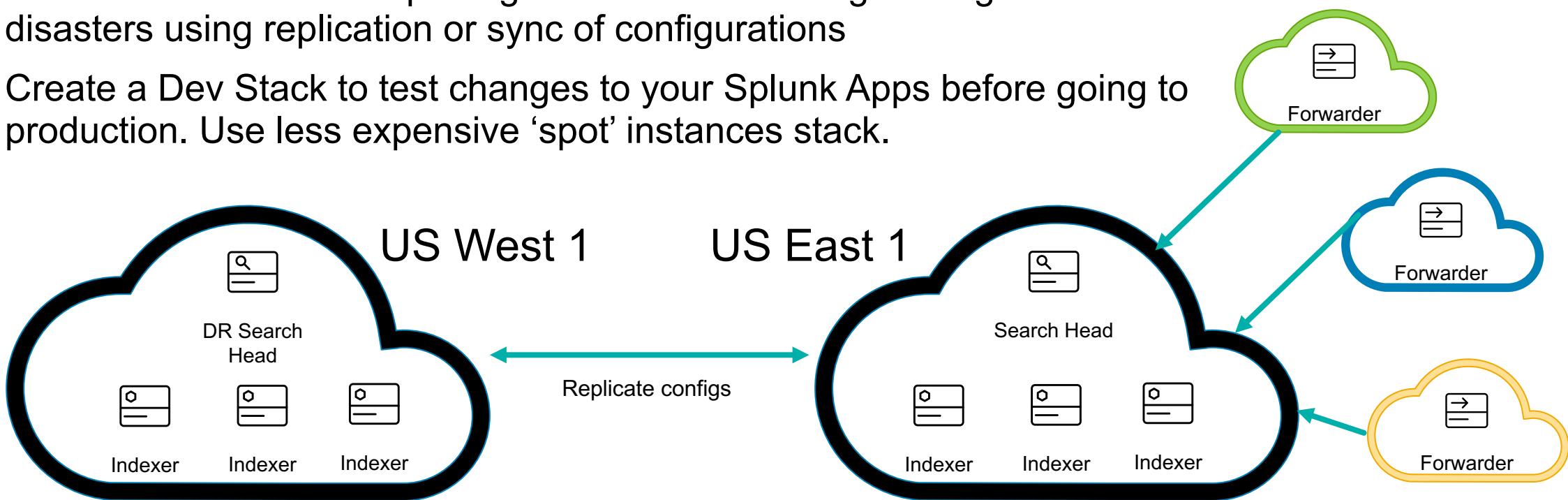


Hybrid Cloud with Splunk

A case for Hybrid: HA/DR / Dev stack

► Splunk as an example

- Centralize Splunk into one cloud and forward data into that single cloud.
- This saves on transit costs and increases search performance.
- Create DR/HA with multiple regions / clouds to safeguard against disasters using replication or sync of configurations
- Create a Dev Stack to test changes to your Splunk Apps before going to production. Use less expensive ‘spot’ instances stack.



Splunk Demo

Presented by Kam Amir

splunk>enterprise App: Project : Silver Lining ▾

Project Silver Lining : Documentation Cloud Overview Dashboard Compute Dashboard Storage Dashboard Network Dashboard Identity Dashboard Services Dashboard Datasets Search Project : Silver Lining

Cloud Overview Dashboard

Compute Resources

Cloud Provider Time

All Last 24 hours Hide Filters

Sourcetype's by Vendor

Sourcetypes

Vendor	Sourcetype	Count
VMWare, Inc.	sparkline	6
Amazon Web Services	sparkline	3
Google Cloud Platform	sparkline	1
Microsoft Corporation	sparkline	1

Number of Instances

Instances by Provider **

Provider	Count
VMWare, Inc.	23
Amazon Web Services	3
Google Cloud Platform	1
Microsoft Corporation	1

Daily Cloud Cost

\$22,094.16

Public Vs. Private Cloud

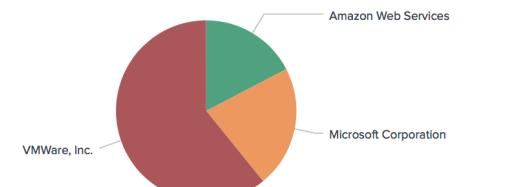
cloud

Private Cloud

Public Cloud

count

Instances by Vendor



Vendor	Count
VMWare, Inc.	23
Microsoft Corporation	1
Amazon Web Services	3

All Clouds, One View

Making machine data accessible, usable and valuable to everyone.

Key Takeaways

Cloud Nirvana, Achieved

1. Multicloud is a part of your strategy now
2. Get visibility into your clouds
3. Get value from your cloud investment
4. Work with the business to make your applications suited for cloud

Cloud Nirvana

Security, Operations, and the Business together

- Security can see across the cloud platforms
 - Operations can intelligently deploy workloads across clouds
 - Business can operate at scale securely without taking down operations

Splunk Insights for Multi-Cloud at the Innovation Lab

Go see what's next for Splunk Cloud

Thank You

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