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Technical Deep Dive Splunk Cloud



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During the course of this presentation, we may make forward looking statements regarding future events or the expected performance of the company. We caution you that such statements reflect our current expectations and estimates based on factors currently known to us and that actual events or results could differ materially. For important factors that may cause actual results to differ from those contained in our forward-looking statements, please review our filings with the SEC. The forward-looking statements made in the this presentation are being made as of the time and date of its live presentation. If reviewed after its live presentation, this presentation may not contain current or accurate information. We do not assume any obligation to update any forward looking statements we may make.

In addition, any information about our roadmap outlines our general product direction and is subject to change at any time without notice. It is for informational purposes only and shall not, be incorporated into any contract or other commitment. Splunk undertakes no obligation either to develop the features or functionality described or to include any such feature or functionality in a future release.

Agenda

- Introductions
- Splunk Cloud Overview
- Design Principles
- High Performance & High Availability
- Security from the Ground Up
- Operational Excellence

Cloud and Your Business

Apps and *data* moving to cloud

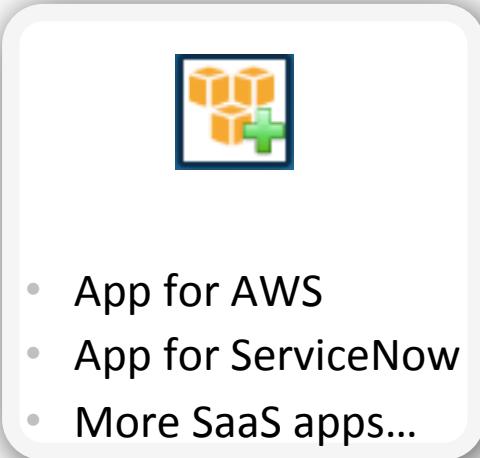
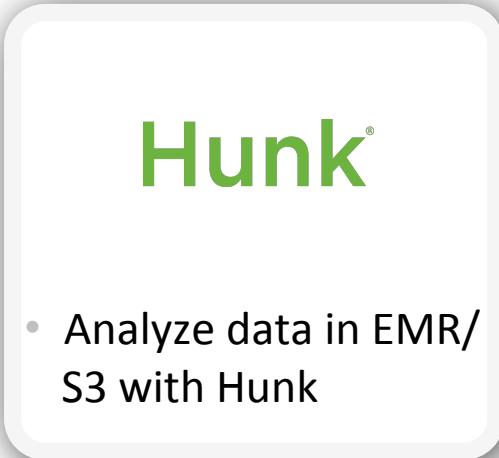
Cloud data can remain in cloud

Desire to consume Splunk as a service

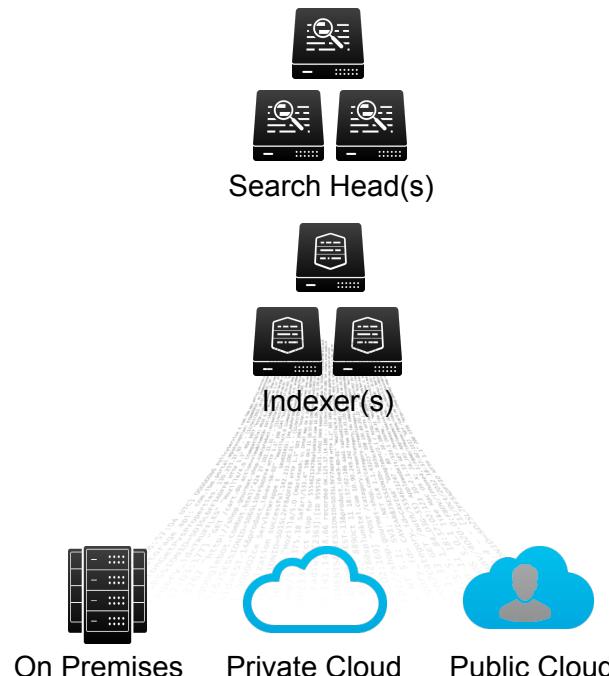
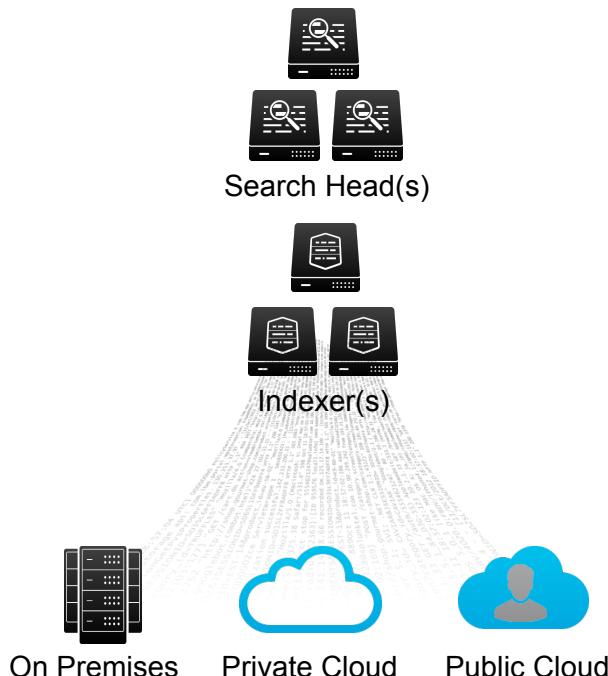


Splunk's Portfolio for Cloud

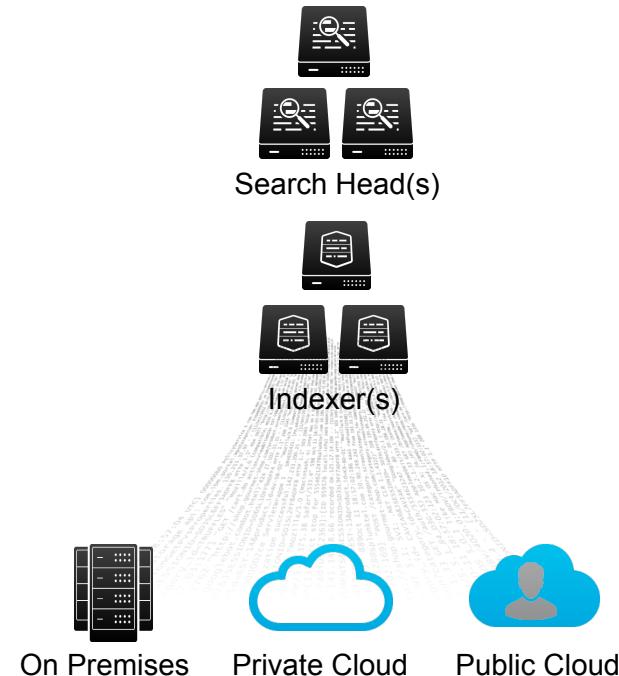
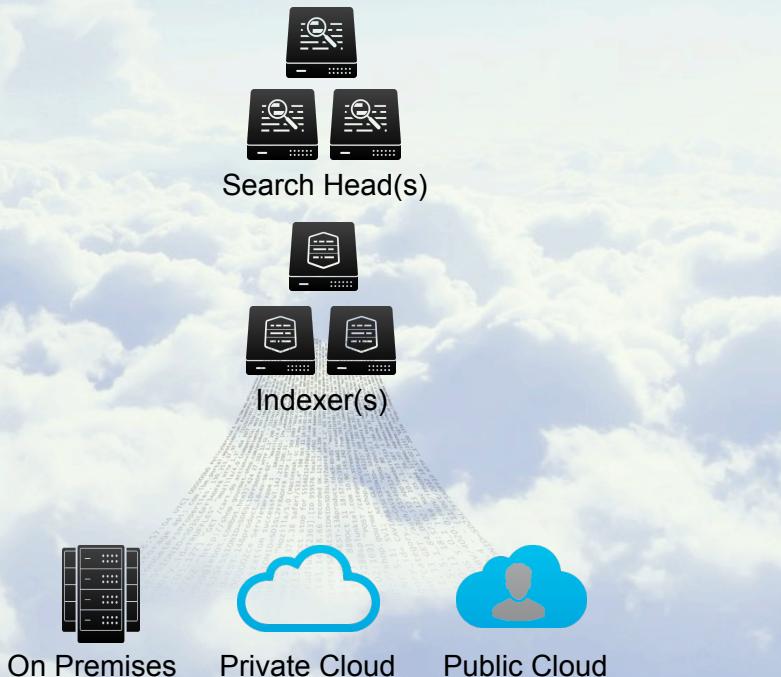
SaaS Software Apps



What is Splunk Cloud: Where's Waldo?

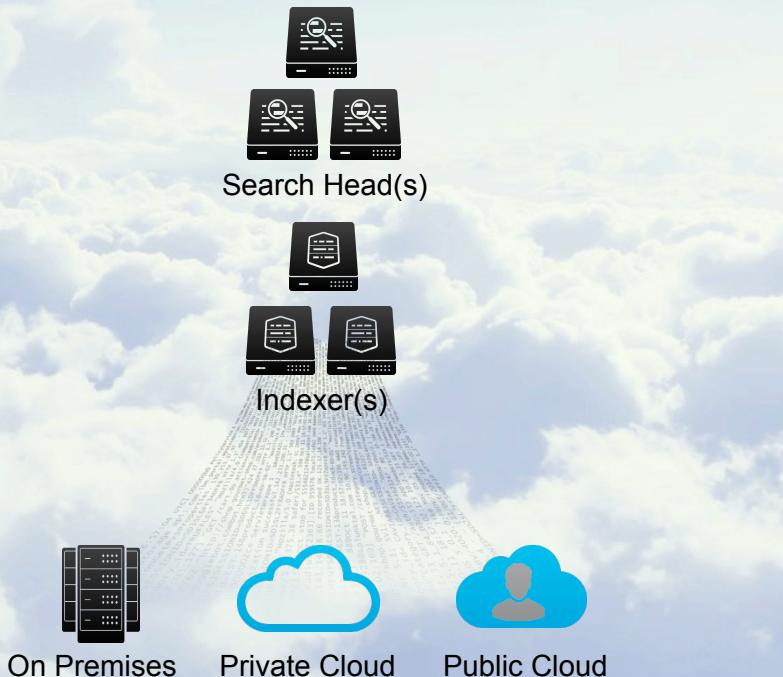


Okay, a Hint

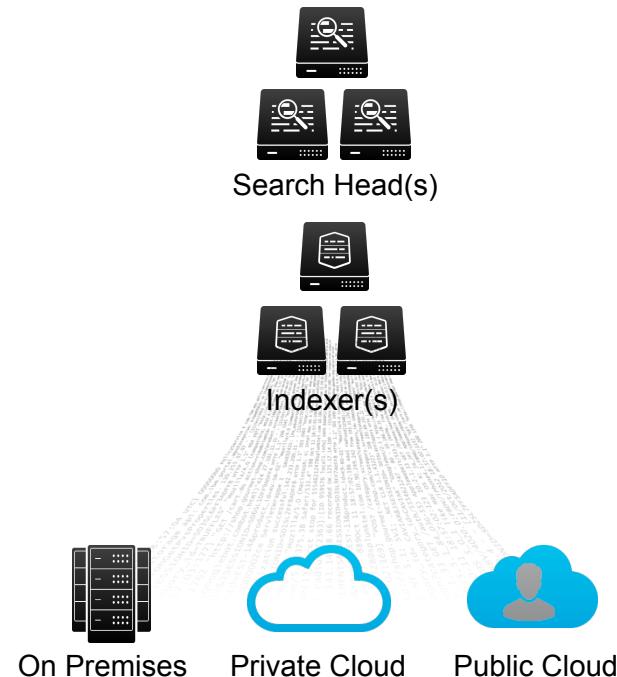


Did You Spot It?

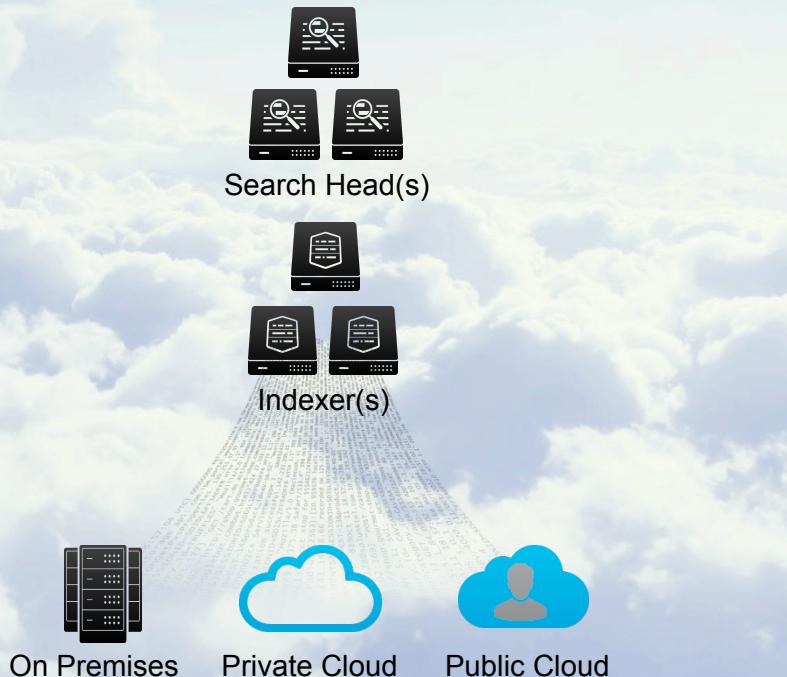
splunk>cloud™



splunk>enterprise



splunk>cloud™



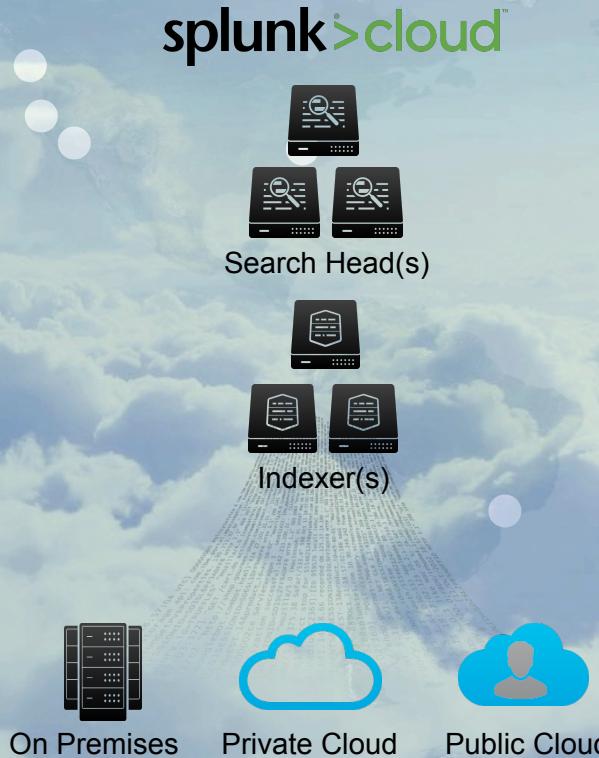
Splunk Cloud is Splunk Enterprise
as a Service

Available Globally in AWS



Global AWS Regions & GovCloud





Splunk Cloud is Splunk Enterprise
as a Service

Available Globally in AWS



Splunk Cloud Design Principles

Instant



Secure



Reliable



Hybrid



Stacks



Clustering &
License Managers



Indexers



Search Heads

Stacks



Clustering &
License Managers



Indexers



Search Heads

 EC2 Instance

Stacks



Single Tenant
Customer Stack

Secure By Default



Network Isolation

Encryption

Non-repudiable Logging

Secure coding practices





Durable

Replicated Data

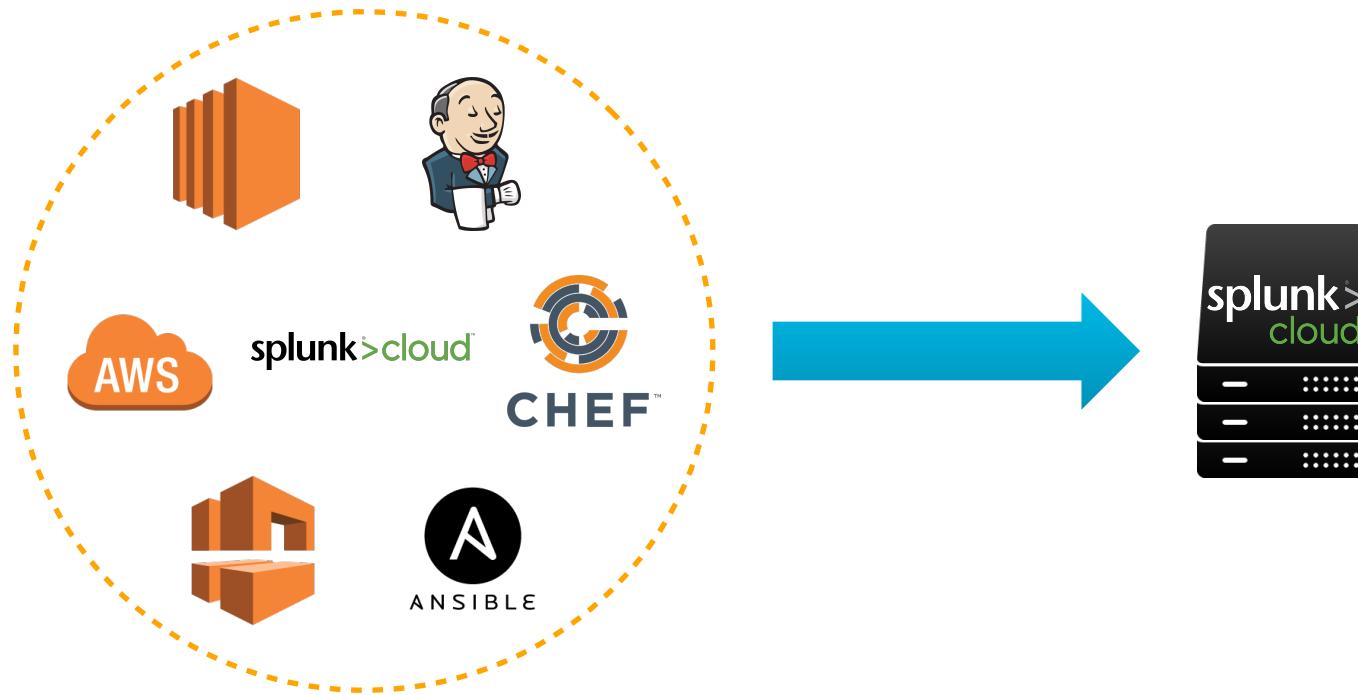
Replicated Configs

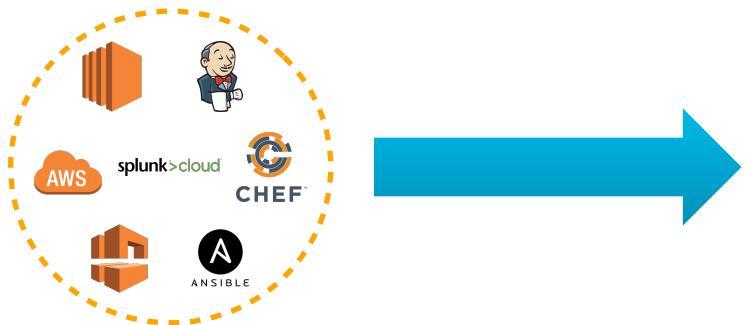
Backups

Redundant systems



Automated











"Skynet"



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High Availability



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High Availability

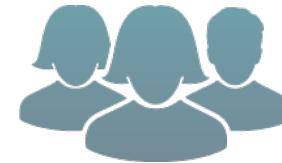


High Availability



Search Head

High Availability

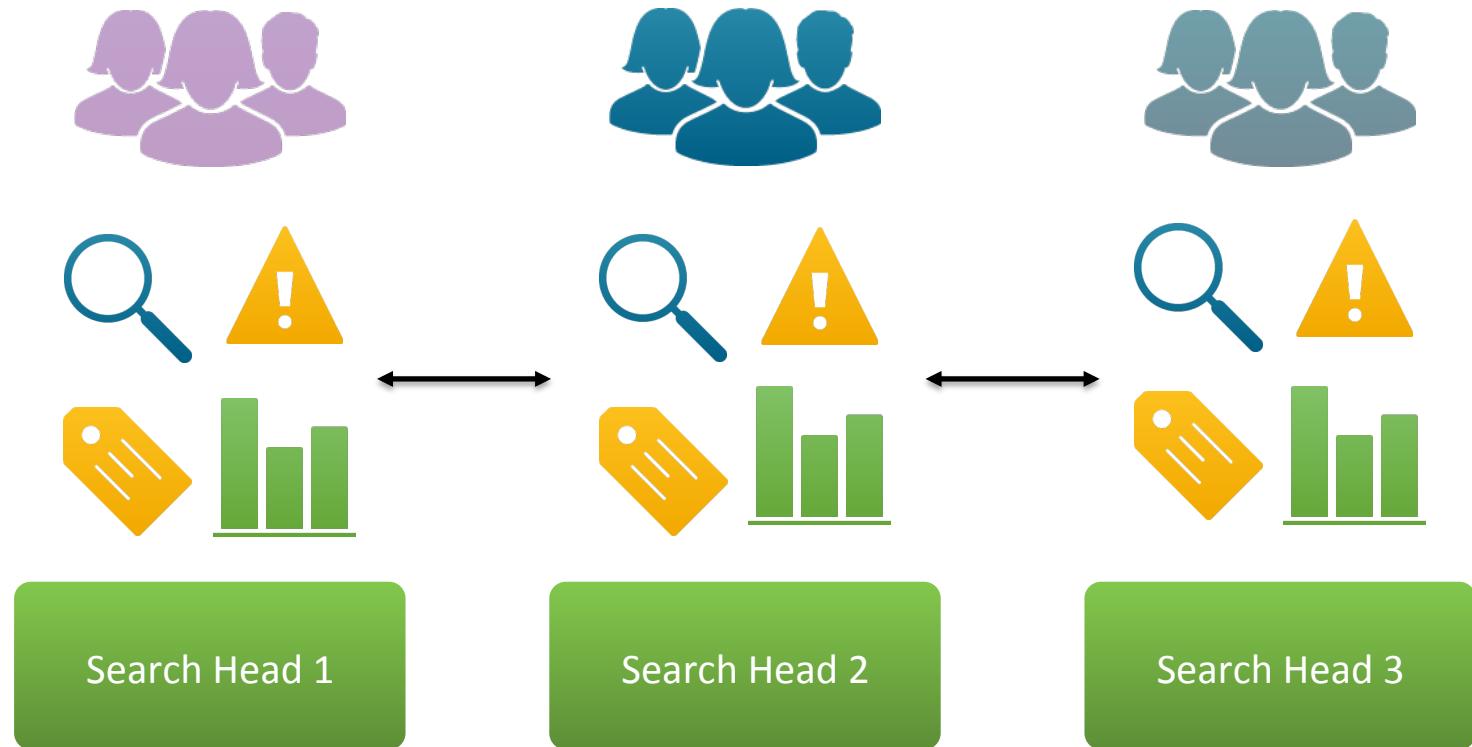


Search Head 1

Search Head 2

Search Head 3

High Availability



High Availability



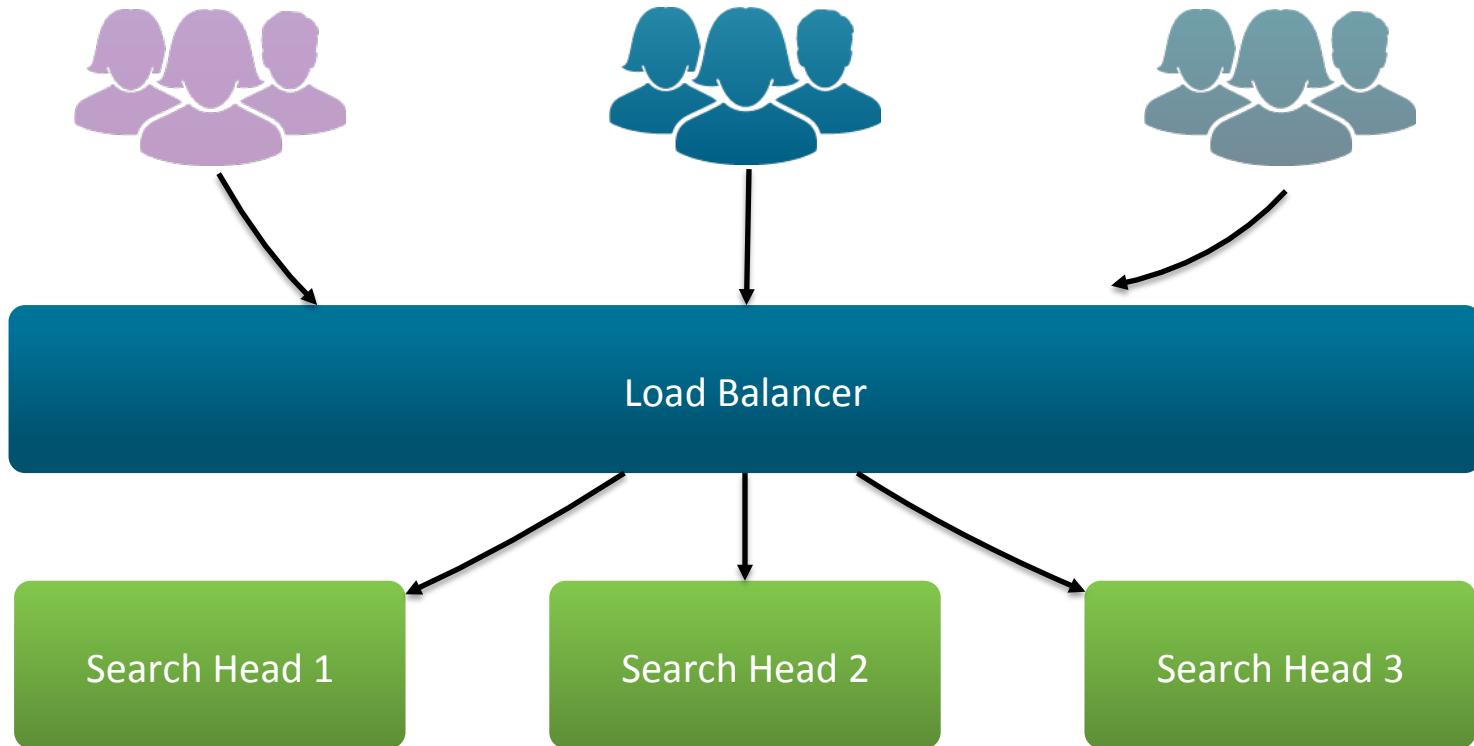
Load Balancer

Search Head 1

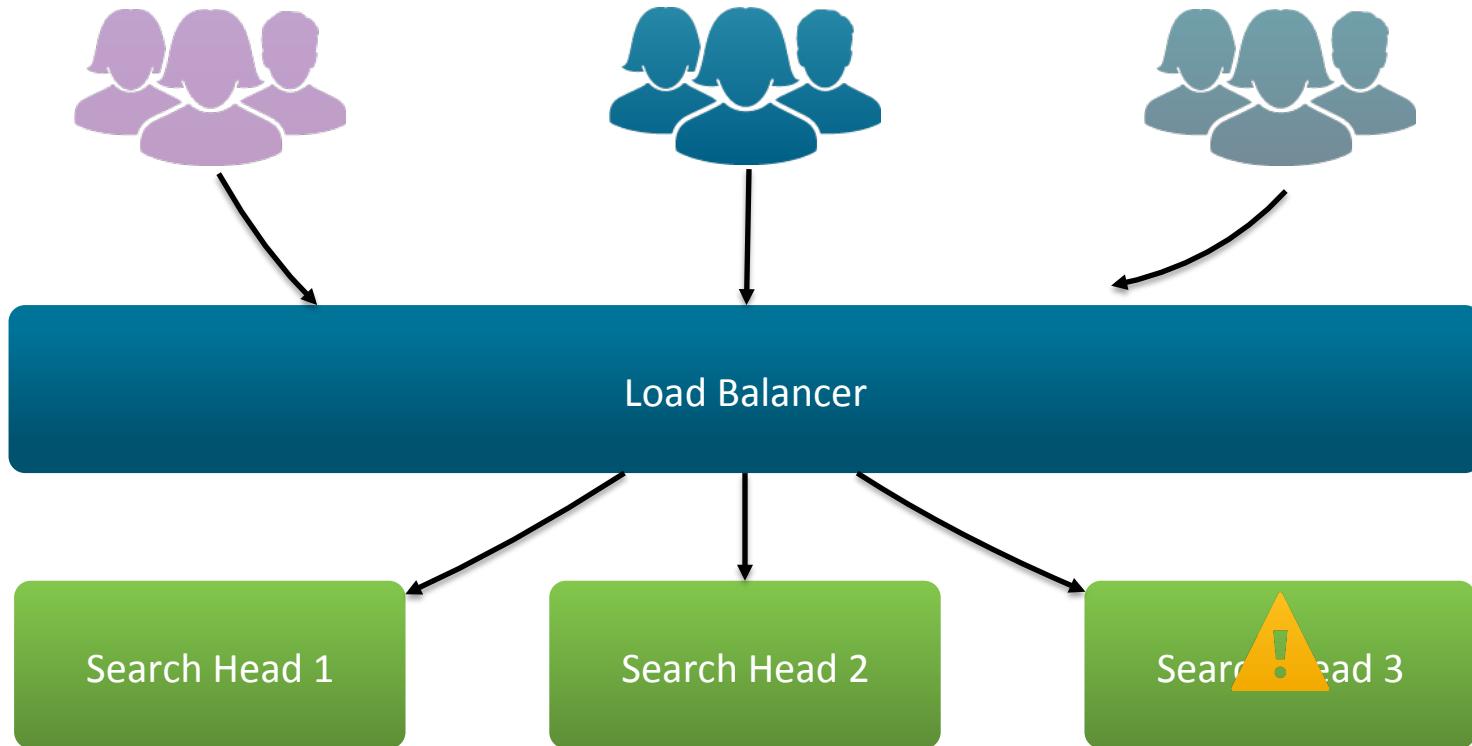
Search Head 2

Search Head 3

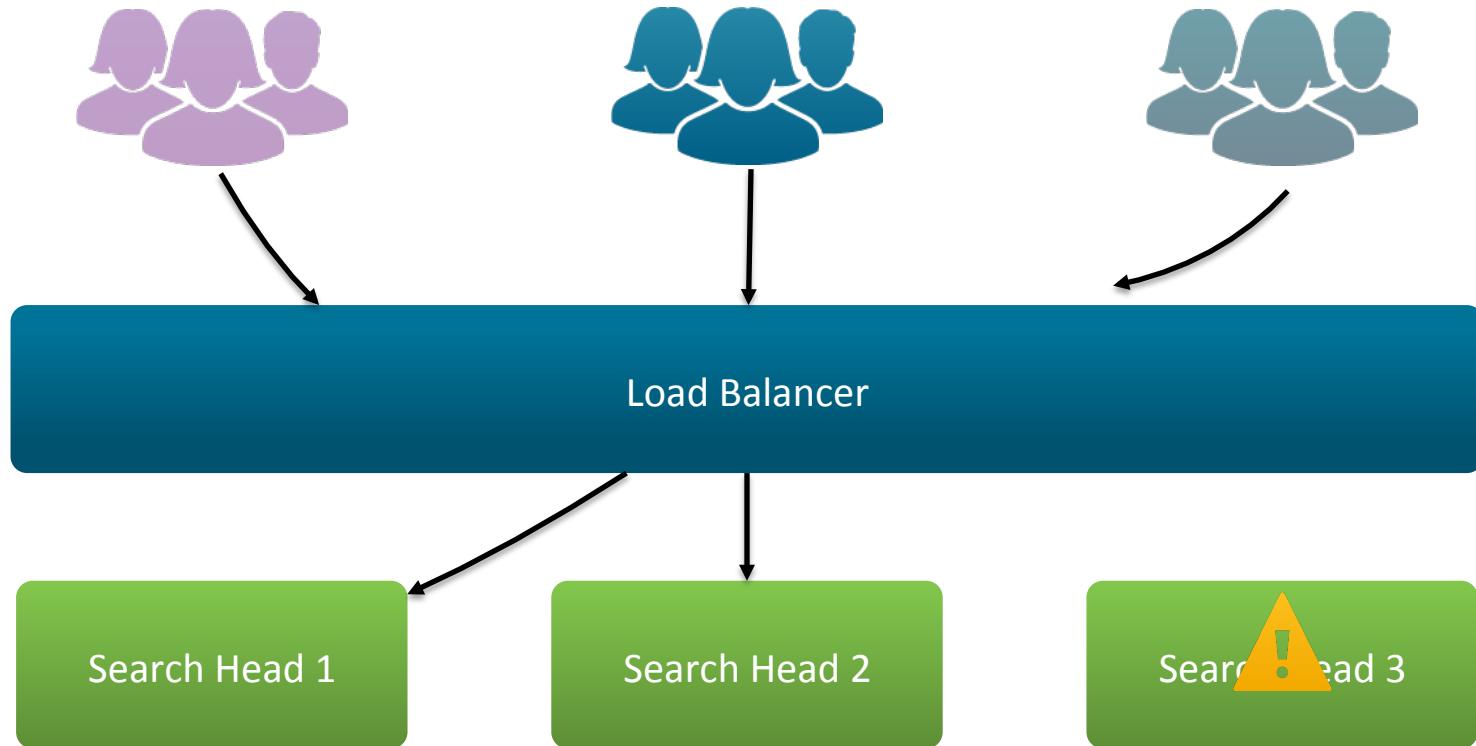
High Availability



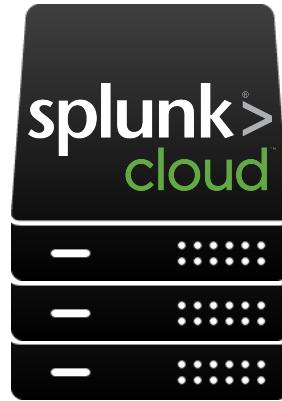
High Availability



High Availability



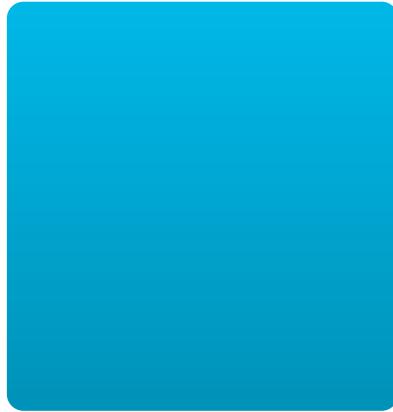
High Availability



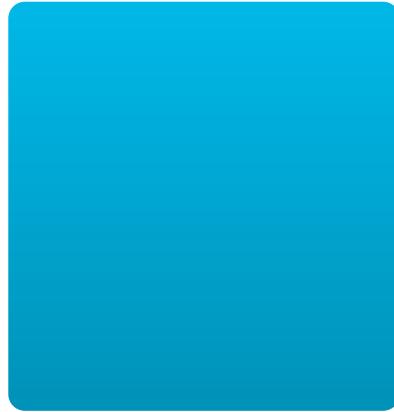
3 Indexers

High Availability

Indexer 1



Indexer 2



Indexer 3

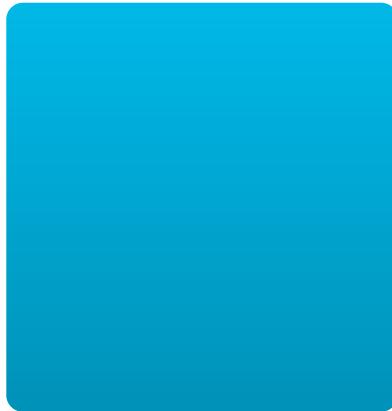


High Availability

Indexer 1



Indexer 2



Indexer 3



Searchable Bucket

High Availability

Indexer 1



Indexer 2



Indexer 3



Searchable Bucket

Searchable Bucket

High Availability

Indexer 1



Indexer 2



Indexer 3



Searchable Bucket

Searchable Bucket

Replicated Bucket

High Availability

Indexer 1



Indexer 2



Indexer 3



Searchable Bucket

Searchable Bucket

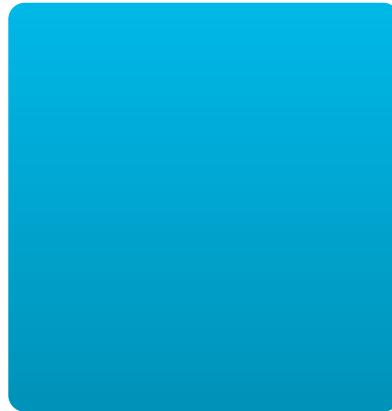
Replicated Bucket

High Availability

Indexer 1



Indexer 2



Indexer 3



Searchable Bucket

Replicated Bucket

High Availability

Indexer 1



Indexer 2



Indexer 3

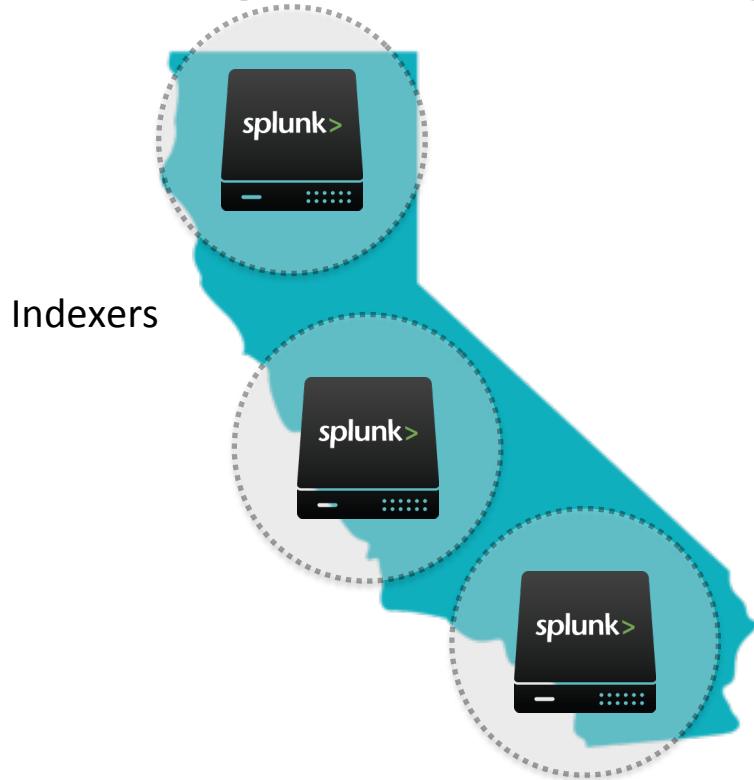


Searchable Bucket

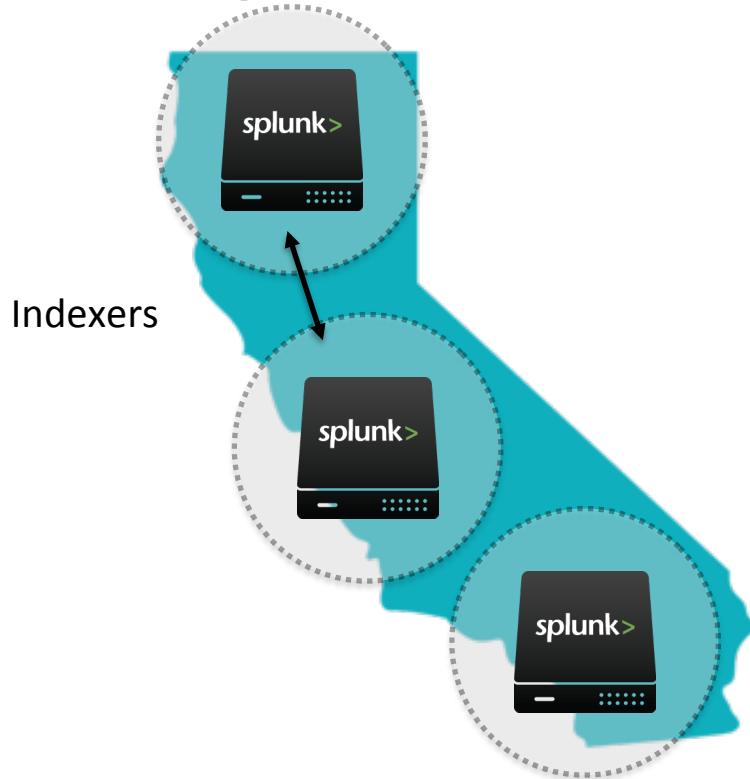
Searchable Bucket

Replicated Bucket

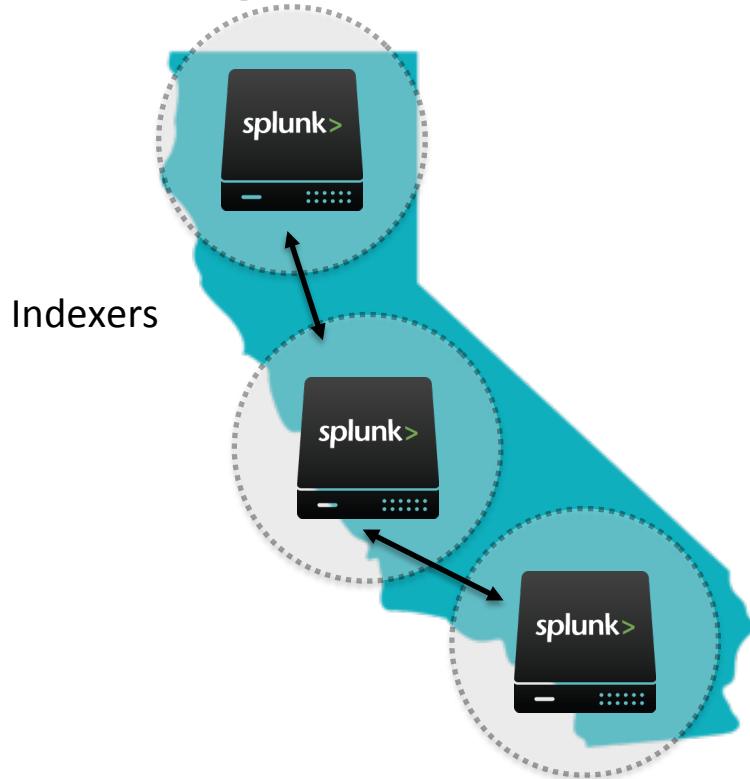
High Availability



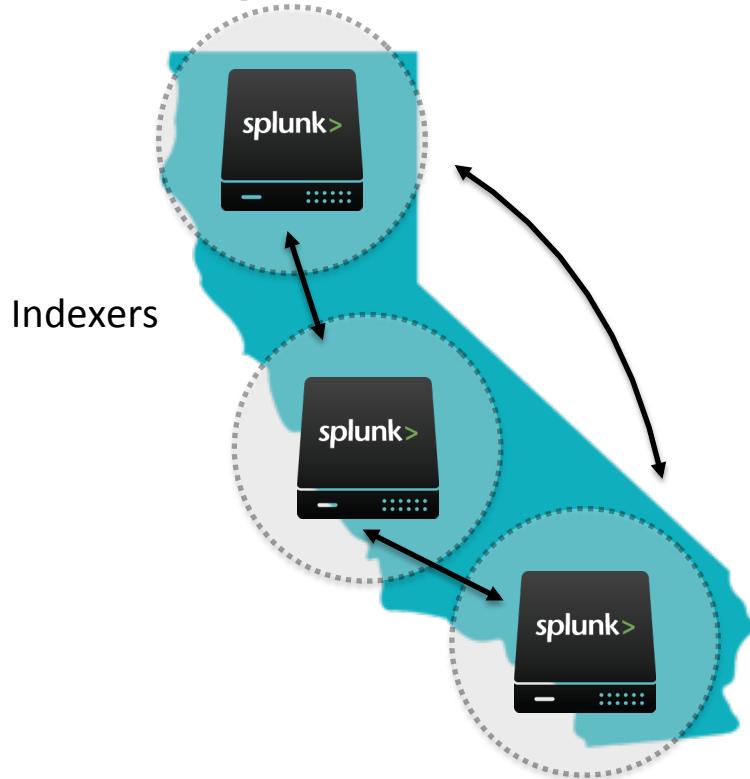
High Availability



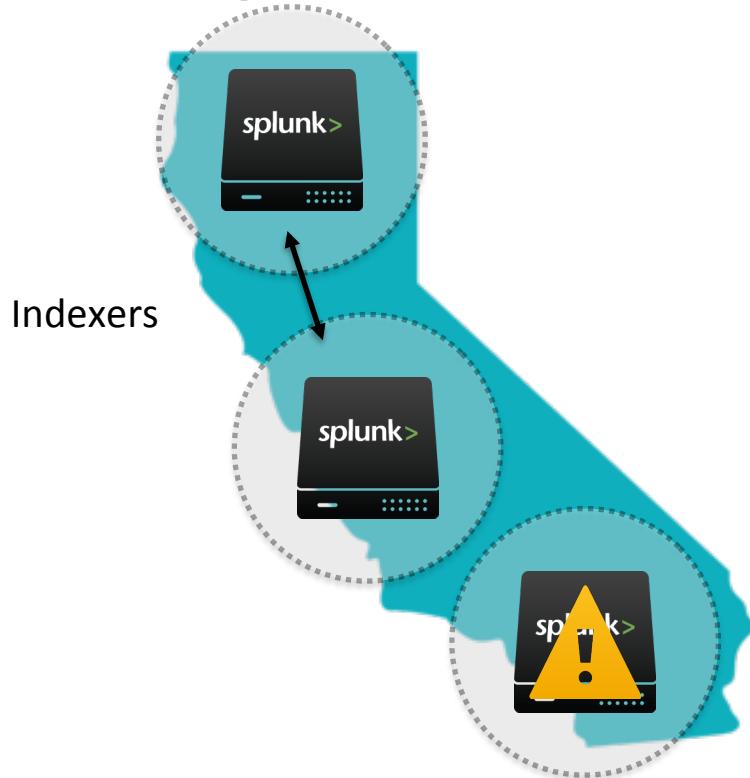
High Availability



High Availability



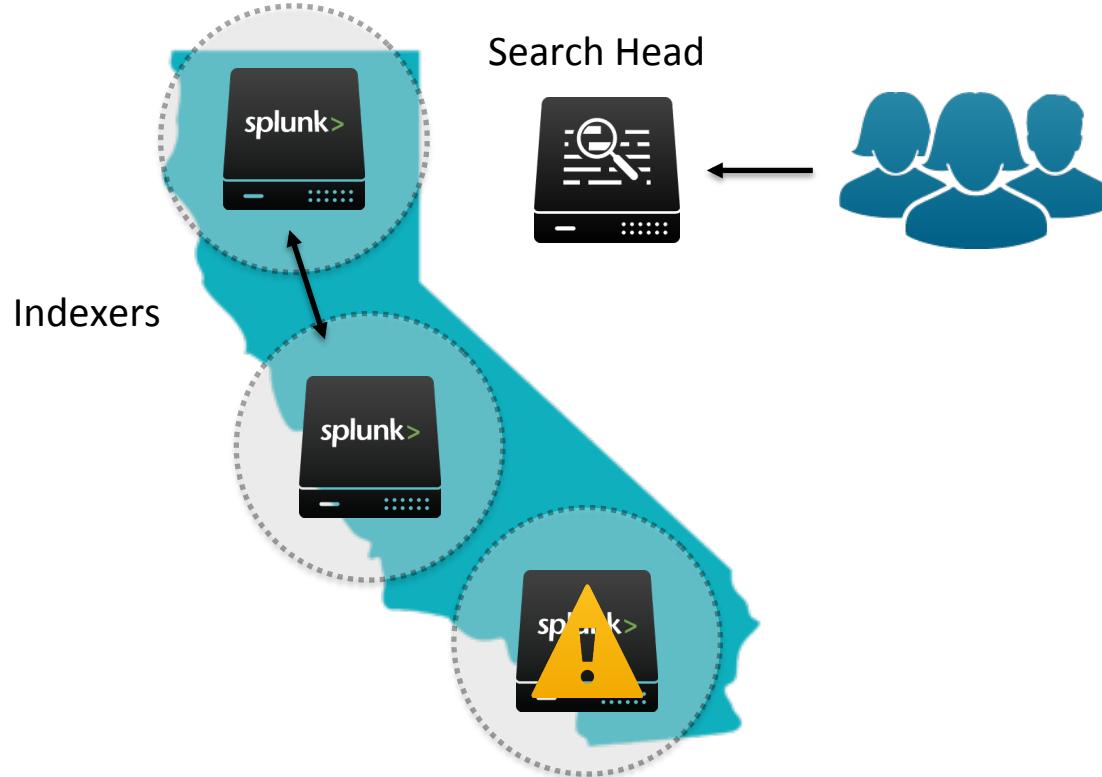
High Availability



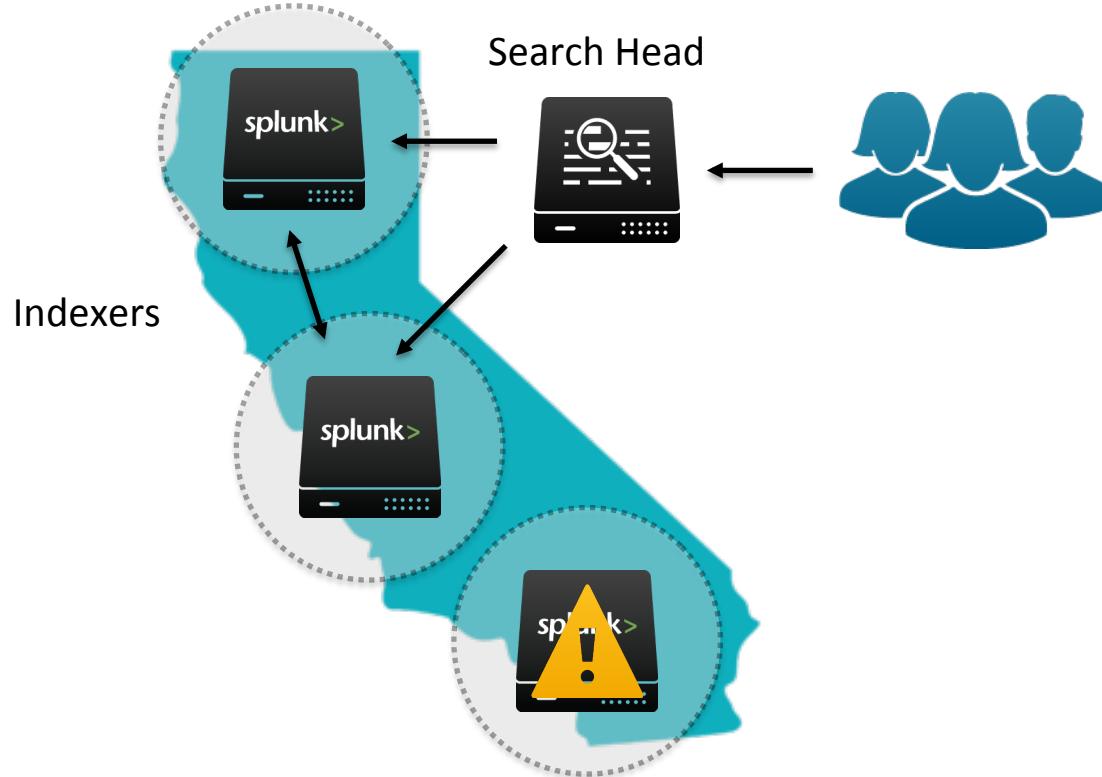
High Availability



High Availability



High Availability



Disaster Recovery



Splunk Buckets &
Configuration Data

Disaster Recovery

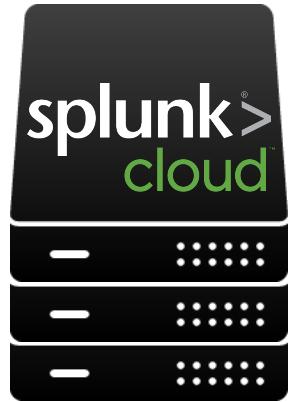


Splunk Buckets &
Configuration Data



Amazon S3

Disaster Recovery



Splunk Buckets &
Configuration Data





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Security

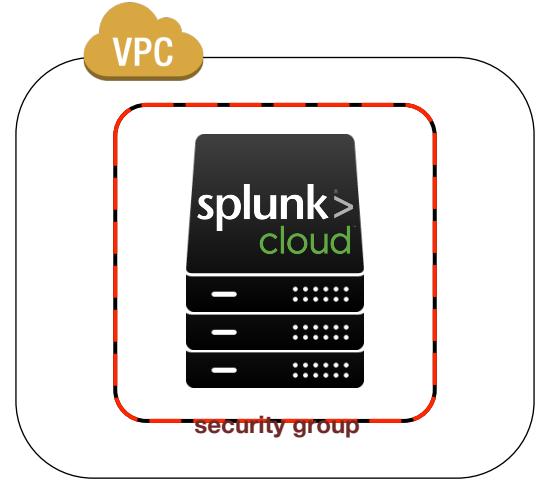
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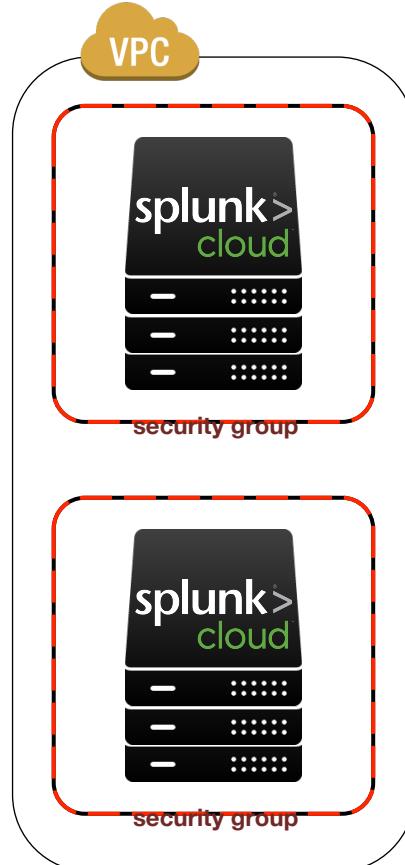
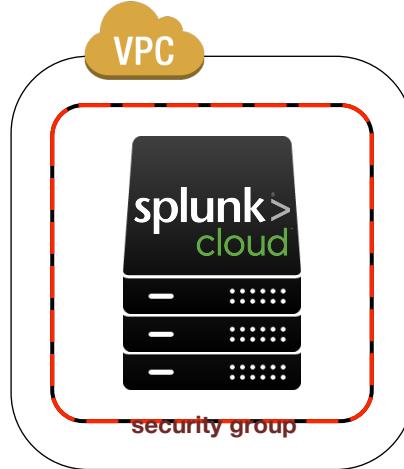
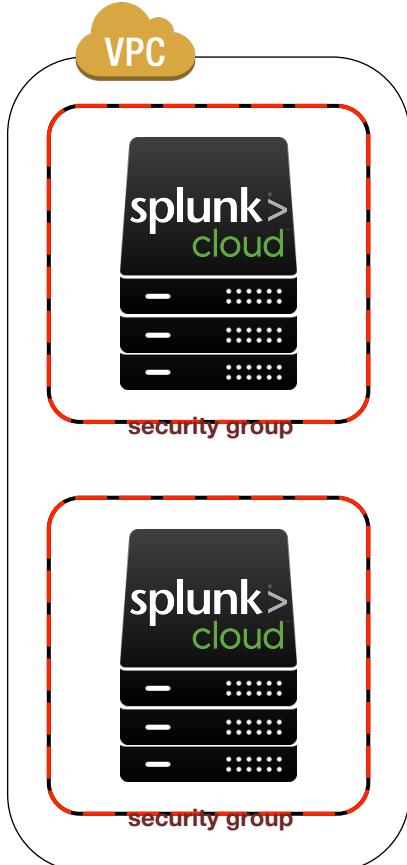
customer stack



Isolated by Security Groups

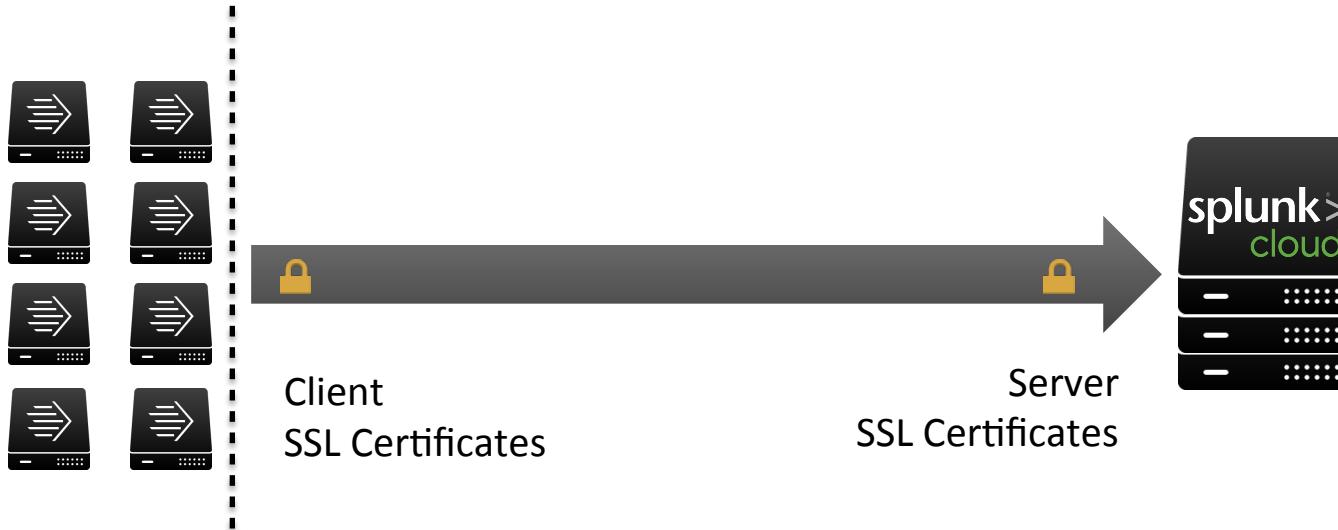


Further Isolated by a Splunk VPC



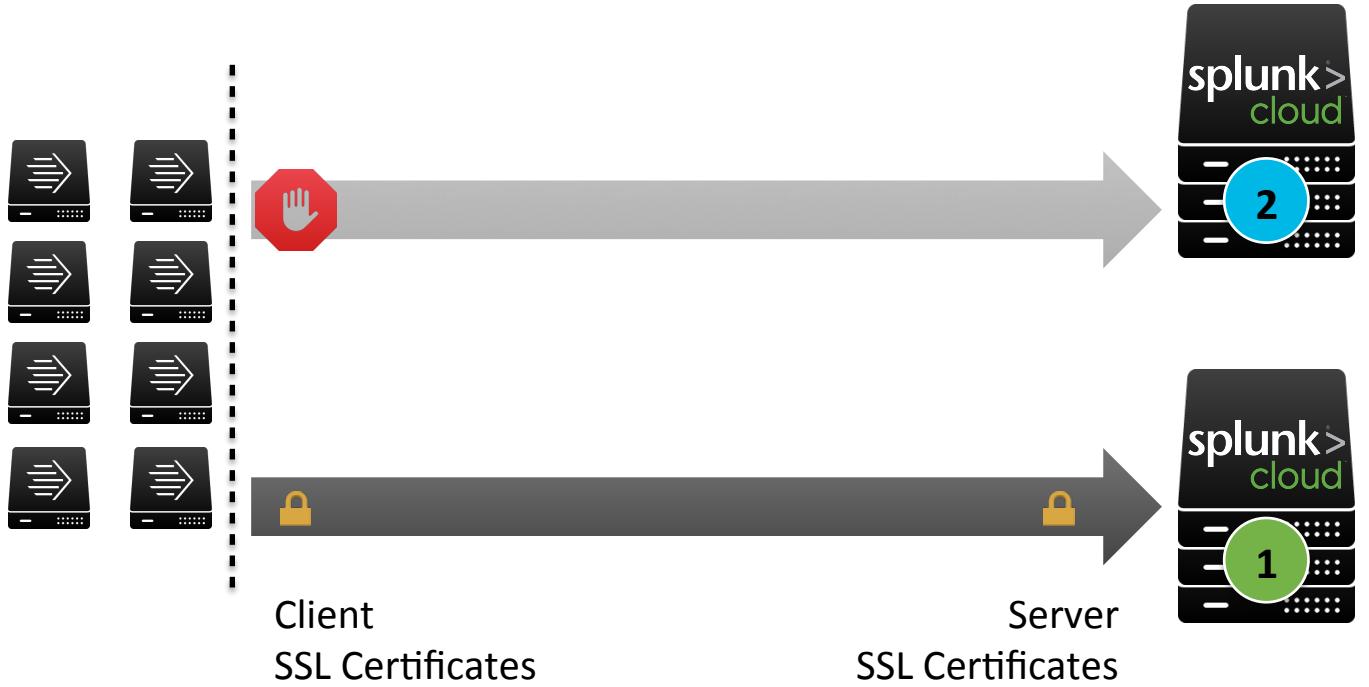
Authentication

Customer
Forwarders



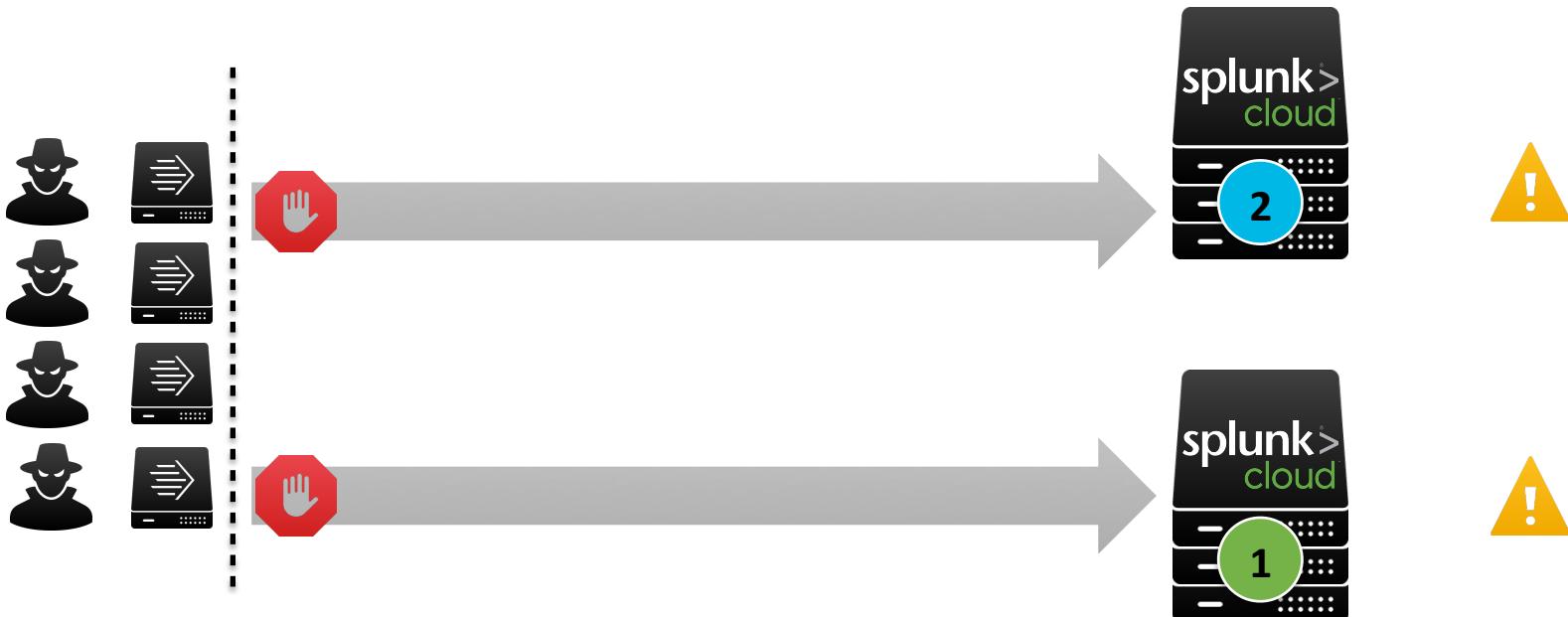
Authentication

Customer
Forwarders

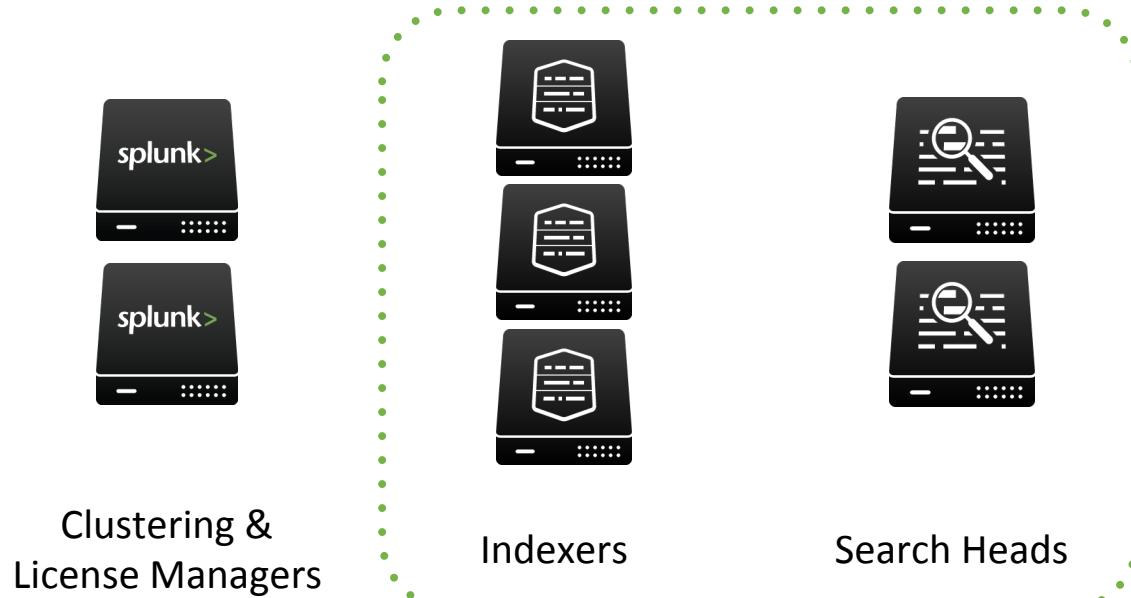


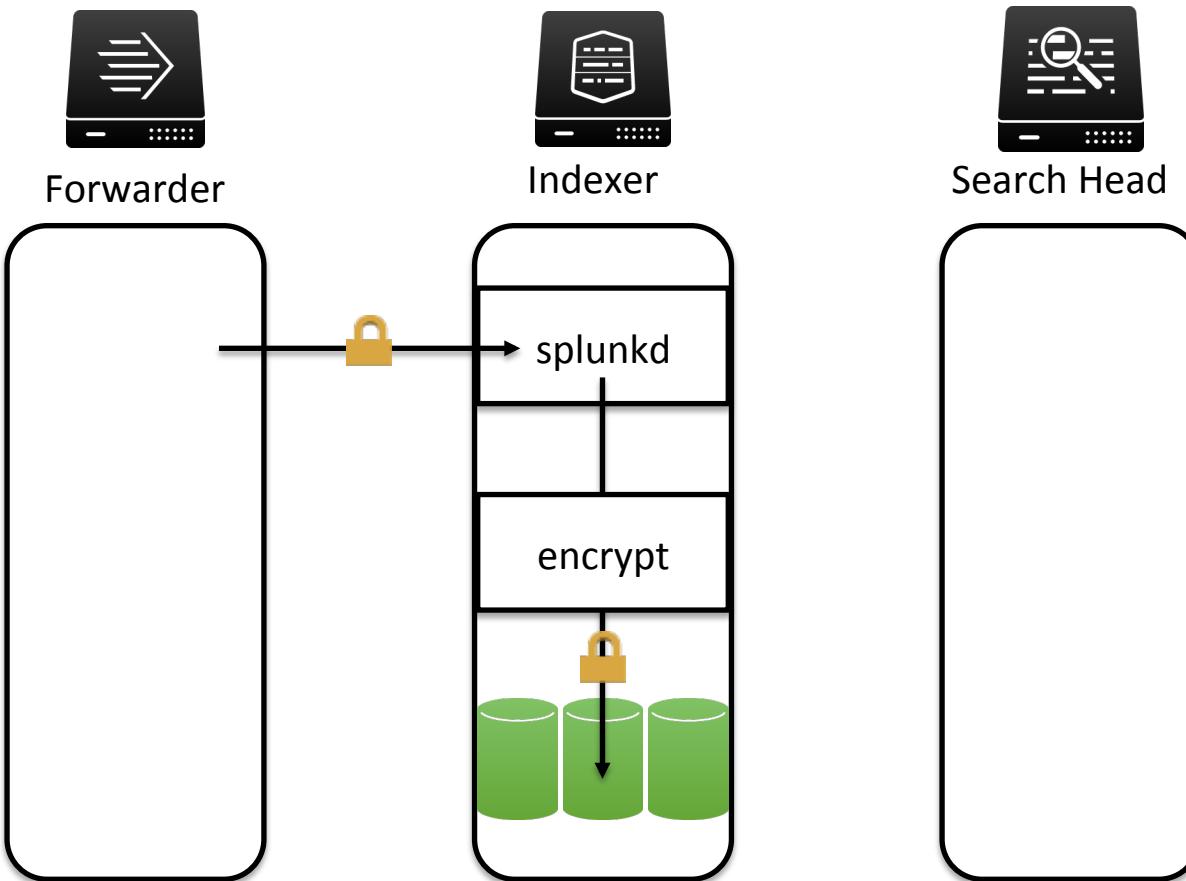
Authentication

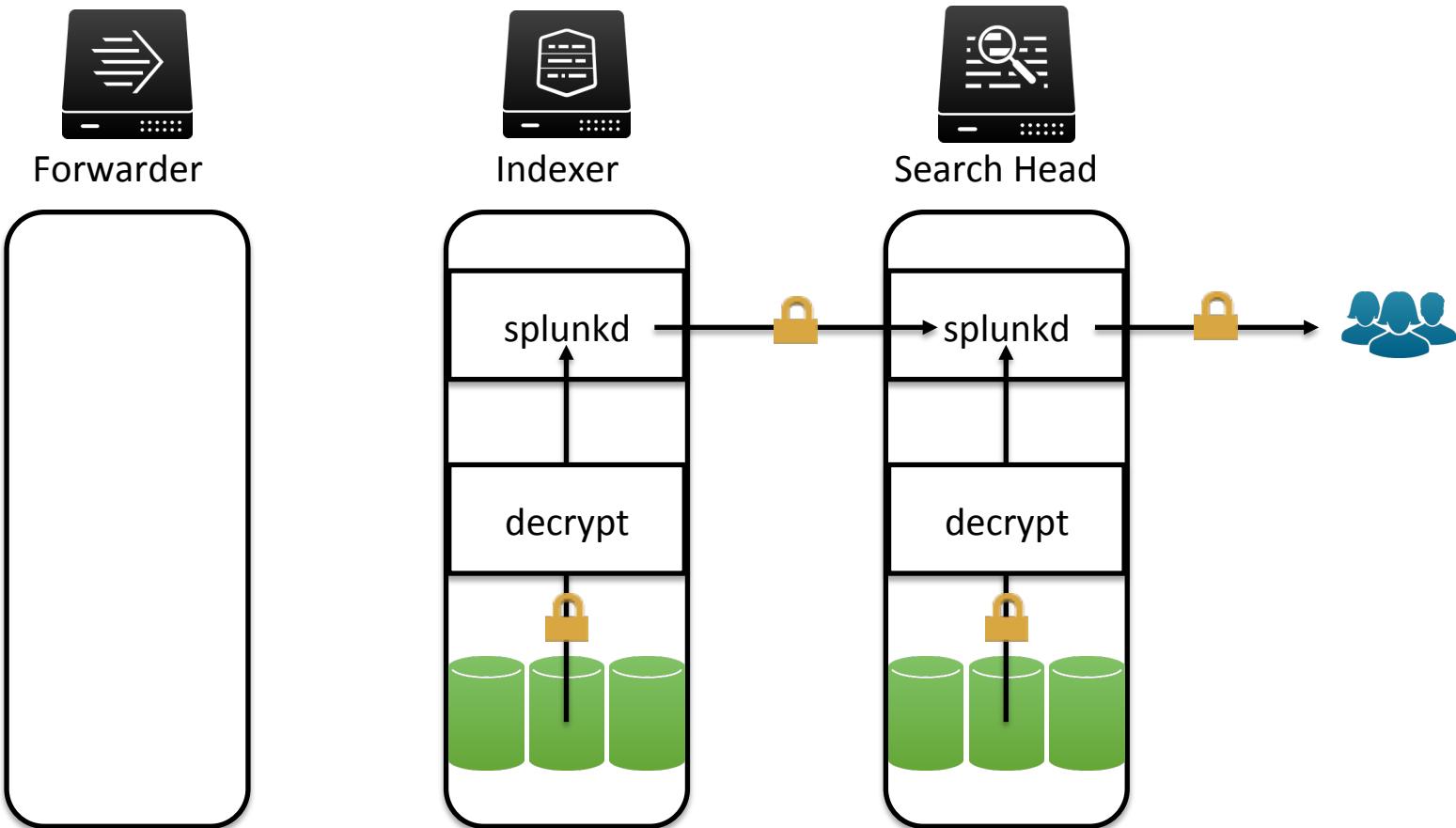
Rogue
Forwarders



Encryption at Rest









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2015

2014

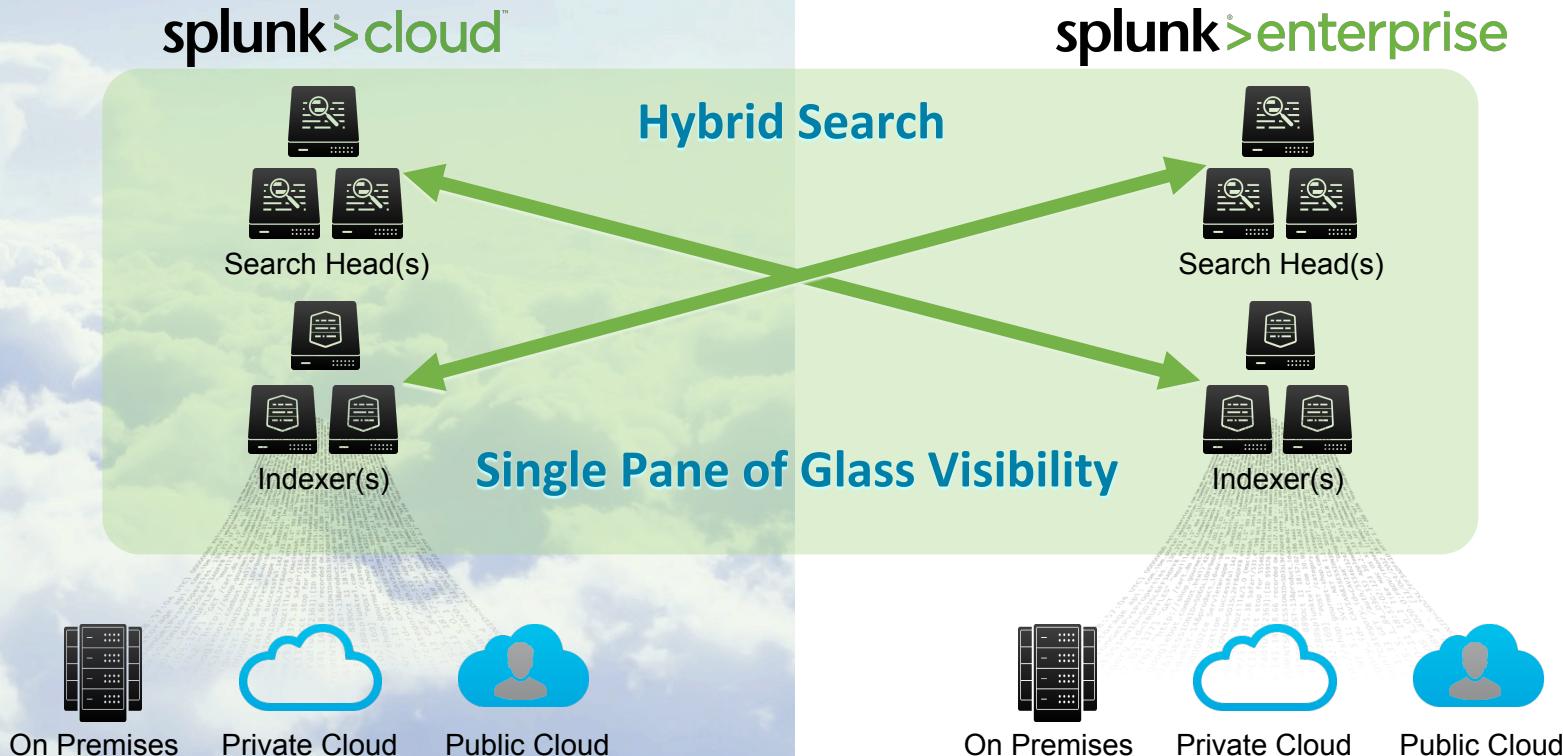
2013

Hybrid



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Hybrid





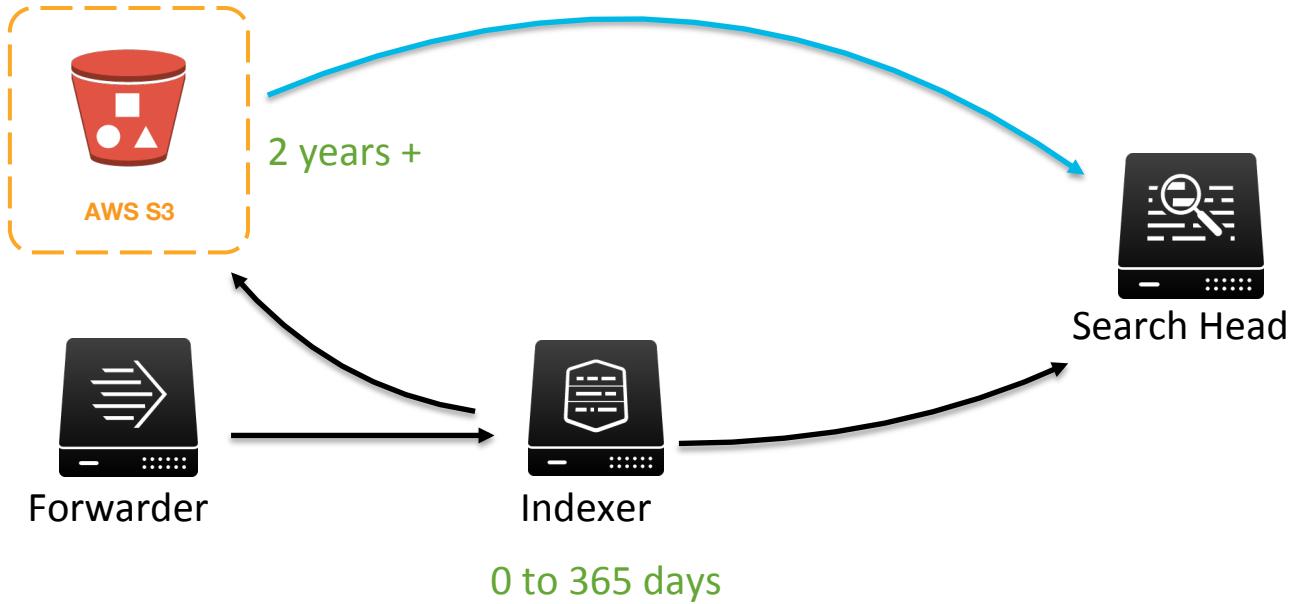
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One More Thing...

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Looking Forward

Searchable S3 Archiving



Splunk Cloud is...

- Highly performant
- Highly available
- Built with security from the ground up
- Operationally automated
- A single pane of glass visibility with hybrid search



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Questions

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Thank You!



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