

SPLUNK® AND AMAZON WEB SERVICES (AWS)

Operational Intelligence across your entire AWS and IT environment

Enterprises are increasingly adopting Amazon Web Services (AWS) to gain the economic and business benefits of the cloud. As more critical workloads move to the cloud, businesses are looking to:

- Guarantee that their mission-critical cloud deployments adhere to security and compliance standards
- Ensure that their application performance and uptime in the cloud meet defined SLAs

- Achieve increased levels of operational visibility without additional complexity

To meet these needs, Splunk has closely aligned with AWS to deliver solutions that offer real-time visibility into your cloud applications, infrastructure and AWS account. With these solutions, you can monitor your AWS deployment using Splunk as well as consume Splunk software as an AWS-based cloud service.

Splunk's Portfolio of Cloud Solutions Includes:

- **Splunk App for AWS:** Provides pre-built dashboards, reports and alerts that instantly deliver critical operational and security insights into your AWS deployment
- **Splunk Cloud:** Delivers Splunk Enterprise as a cloud service
- **Splunk Light (cloud service):** Automates log search and analysis for small IT environments
- **Splunk Enterprise on AWS:** Delivers Operational Intelligence as self-deployed software on AWS in a bring-your-own-license (BYOL) model
- **Amazon Machine Images:** Accelerates deployment of Splunk Enterprise, Splunk Light and Hunk on AWS
- **Technology Integrations with AWS Lambda, Amazon Kinesis and AWS IoT:** Enables direct collection from AWS Lambda (via Splunk HTTP Event Collector) to enable monitoring of AWS Lambda applications as well as services natively integrated with Lambda (such as Amazon Kinesis and AWS IoT service)
- **Hunk Integration with Amazon EMR/Amazon S3:** Enables easy exploration of data in Amazon EMR and Amazon S3

“The Splunk App for AWS succeeded in providing us an effortless click through experience in configuring and monitoring all our AWS logs. Using the Splunk App for AWS we are able to visualize and represent our data in a way that makes sense to developers, system administrators and security professionals in one easy to manage interface. The new (Amazon) VPC Flow logging is an exciting and new added bonus that finally gives us insight into intra-VPC and inter-VPC traffic patterns.”

Nathan J Gibson,
Product Privacy and Security Lead, ADT

Monitor AWS Using the Splunk App for AWS

The Splunk App for AWS integrates with AWS CloudTrail, AWS Config, Amazon CloudWatch, Amazon VPC Flow Logs, Amazon S3, Amazon CloudFront, Amazon ELB and AWS Billing reports provided by the Splunk Add-on for AWS. Pulling from these data sources, the prebuilt dashboards in the app help you visualize critical information on the health and security of your AWS environment.

With the app you can:

- Gather important insights into security-related activities such as unauthorized access attempts, network configuration changes and billing anomalies.
- Accelerate your AWS deployment through increased visibility into user behavior and resource utilization.
- Ensure adherence to security and compliance standards with a full audit trail.
- Continuously monitor user actions and meet PCI requirements.

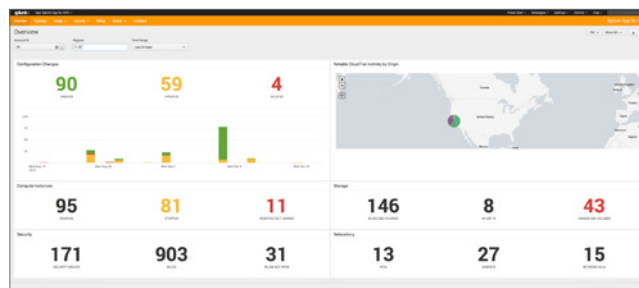


Figure 1: Splunk App for AWS Overview Dashboard

Use Splunk as a Cloud Service

Splunk Cloud

For organizations looking for the feature set of Splunk Enterprise delivered as a cloud service, Splunk Cloud is the answer. Splunk Cloud is an AWS-based service that delivers the functionality of Splunk Enterprise with the flexibility of Software as a Service (SaaS). Using Splunk Cloud, you can search, analyze and visualize data from applications and devices across your entire environment, including AWS, on-premises data centers and any other public/private cloud environments.

Splunk Cloud benefits include:

- **Instant:** Instant access to online trial and seamless transition from POC to production.
- **Secure:** Completed SOC 2 Type 2 attestation* and ISO 27001 certification*. Dedicated cloud environments for each customer. Encryption offered in-transit and at rest.
- **Reliable:** Dedicated environments per customer. Access to the features of Splunk Enterprise, including apps, APIs and SDKs.
- **Hybrid:** Single pane of glass visibility across Splunk Cloud and Splunk Enterprise deployments (see Figure 2).

Splunk Cloud is available in 10 AWS Regions globally, including AWS GovCloud (US).

*SOC 2 Type 2 attestation and ISO 27001 certification are complete for Splunk Cloud customer environments provisioned for data ingestion of over 20GB/day.

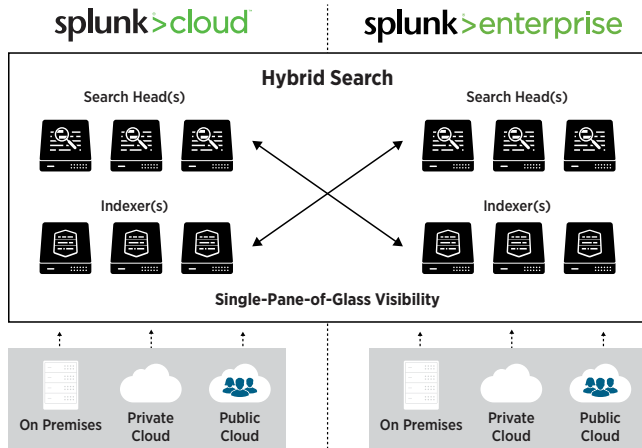


Figure 2: Hybrid search enables single-pane-of-glass visibility

Splunk Light (cloud service)

Splunk Light automates log search and analysis for small IT environments. Using Splunk Light, you can speed tactical troubleshooting by gathering real-time log data from your distributed applications and infrastructure in one place to enable powerful searches and reporting for real-time analysis.

Deploy Splunk Enterprise on AWS

If you prefer to deploy and manage software rather than SaaS, Splunk Enterprise is perfect for deploying on AWS. It's self-contained and can be easily deployed on any Amazon Elastic Compute Cloud (EC2) instance. Splunk Enterprise also scales horizontally, making it ideal for an AWS deployment.



Leading joint Splunk-AWS customers deploy Splunk Enterprise on AWS

Accelerate Deployment With Splunk Amazon Machine Images (AMIs)

Splunk offers AMIs to enable you to rapidly deploy standardized, preconfigured instances in Amazon EC2. Using a Splunk AMI, you can gain access to Splunk solutions with just a few clicks.

AMIs are available on the AWS Marketplace for [Splunk Enterprise](#), [Splunk Light](#) and [Hunk](#).

“Enterprise customers with large Hadoop deployments will gain significant benefits from the Hunk AMI, which will enable them to explore and interact with analytics of raw Hadoop data including Amazon Elastic MapReduce data.”

Director, Worldwide Partner Ecosystem, AWS

Leverage Splunk Technology Integrations for AWS

Collect and monitor massive data from various AWS sources in real time.

AWS Lambda Integration

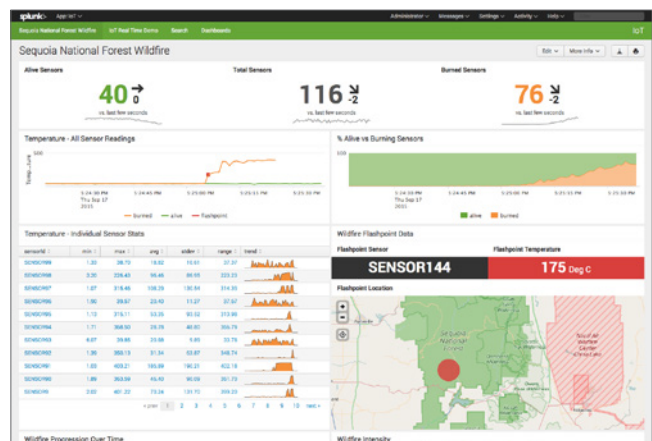
Splunk provides a built-in AWS Lambda Node.js blueprint for HTTP Event Collector that makes it very easy to get started quickly and start sending events from AWS Lambda to HTTP Event Collector running on Splunk Cloud or Splunk Enterprise.

AWS Kinesis Integration

Easily collect and analyze data from Amazon Kinesis via native integration with AWS Lambda and the HTTP Event Collector running on Splunk Cloud or Splunk Enterprise.

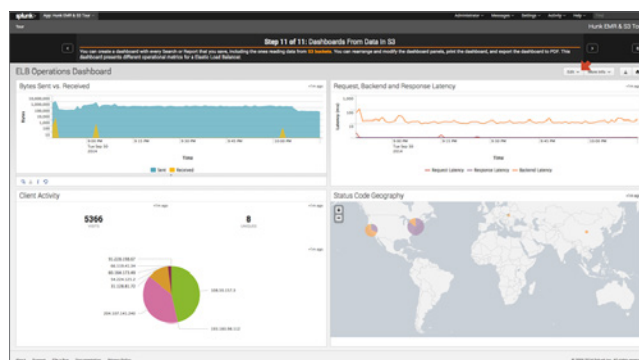
AWS IoT Integration

Quickly ingest, search, visualize and perform advanced analytics on massive real-time and historical data provided by the AWS IoT Service.



Leverage Hunk Integration with Amazon EMR and Amazon S3

Deploy Hunk as a preconfigured instance on the cloud from Amazon Web Services. AWS customers have the option to bring existing Hunk licenses or purchase Hunk by the hour from AWS. Use Hunk to interactively explore, analyze and visualize data stored in Amazon EMR and Amazon S3.



Hunk-EMR integration: sample operations dashboard

About AWS: For 10 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 70 fully featured services for compute, storage, databases, analytics, mobile, Internet of Things (IoT) and enterprise applications from 33 Availability Zones (AZs) across 12 geographic regions in the U.S., Australia, Brazil, China, Germany, Ireland, Japan, Korea, and Singapore. AWS services are trusted by more than a million active customers around the world – including the fastest growing startups, largest enterprises, and leading government agencies – to power their infrastructure, make them more agile, and lower costs. To learn more about AWS, visit <http://aws.amazon.com>.

About Splunk: Splunk Inc. provides the leading software platform for real-time Operational Intelligence. Splunk software and cloud services enable organizations to search, monitor, analyze and visualize machine-generated big data coming from websites, applications, servers, networks, sensors and mobile devices. More than 11,000 enterprises, government agencies, universities and service providers in over 110 countries use Splunk software to deepen business and customer understanding, mitigate cybersecurity risk, prevent fraud, improve service performance and reduce costs. Splunk products include Splunk® Enterprise, Splunk Cloud™, Hunk®, Splunk Light and premium solutions. To learn more, please visit: <http://www.splunk.com/company>.

Splunk App for AWS.

Get started with the [Splunk App for AWS](#) to gain operational visibility and security into your AWS environment.

Splunk Cloud.

[Get started now](#) with Splunk Cloud through the free [Splunk Cloud Trial](#).

Splunk Enterprise.

[Download Splunk Enterprise](#) for free or find the Splunk Enterprise AMI in the [AWS Marketplace](#).

Hunk.

[Get started now](#) by leveraging Hunk integration with Amazon EMR.

Splunk Light.

Smaller IT environments, get started today with the [free cloud trial](#) or an [AMI](#).

Leverage Splunk Technology Integrations for AWS.

Utilize [AWS Lambda](#), [Amazon Kinesis](#) and [AWS IoT](#) integrations.



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