

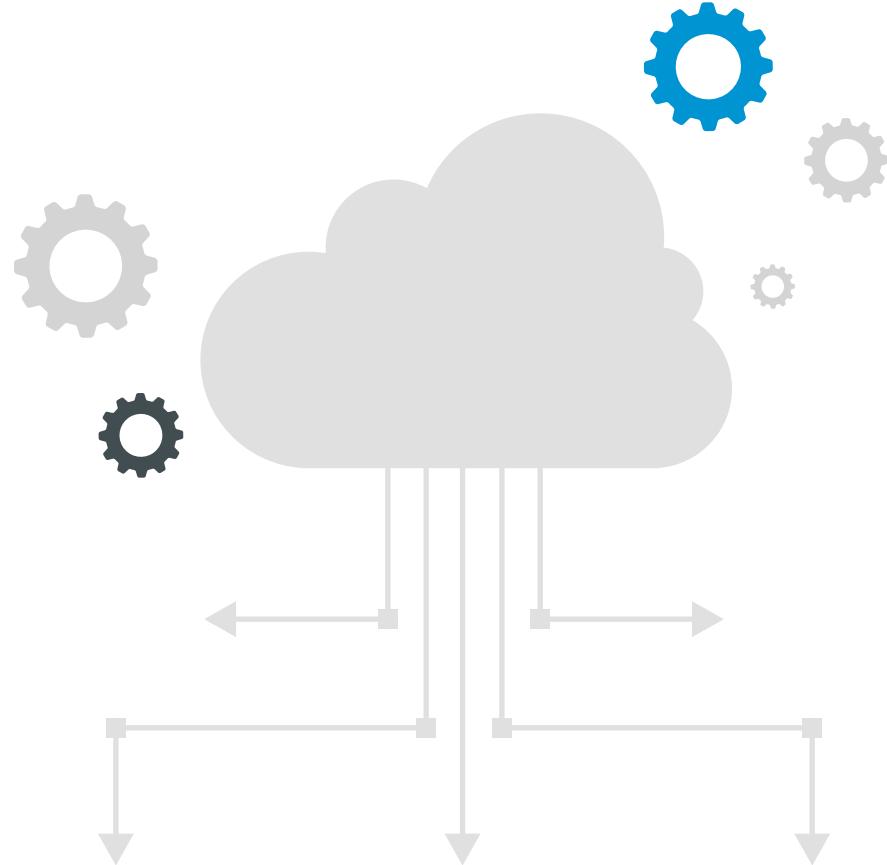
Sumo Logic: Key Takeaways from The State of Modern Apps Report



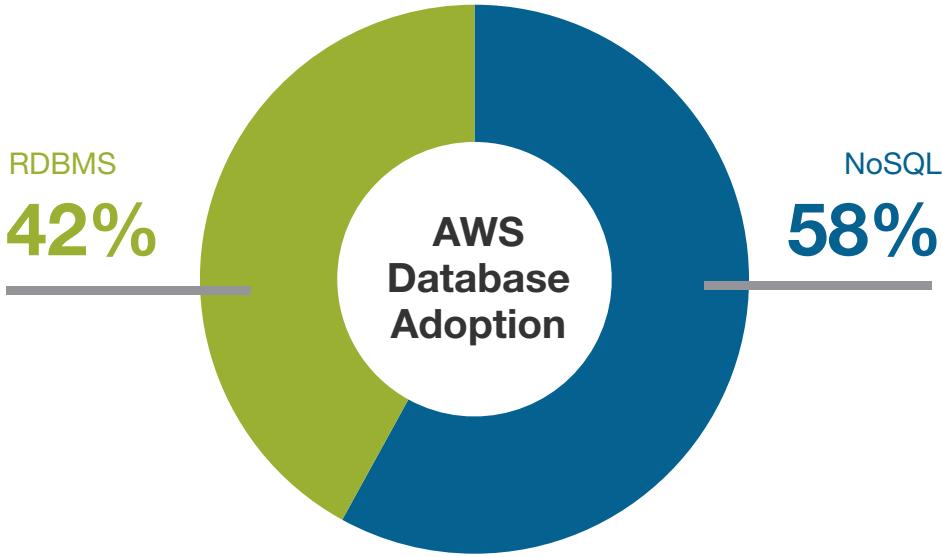
Overview

To support shifting market and customer needs, enterprises are striving to deliver new digital products and services that provide engaging, highly scalable, always-on customer experiences.

Most customer-facing digital services are built on custom “modern applications” – an application stack with new tiers, new technologies and typically running on cloud platforms like Amazon Web Services (AWS), to deliver fast time-to-value and incredible scale.



Source Document: <https://www.sumologic.com/resource/report/state-modern-apps-report/>



Background

The rate of adaption to IaaS platform is currently unprecedented. This is highlighting a dramatic difference in usage of operating systems based on infrastructure choice. Many legacy vendors are being left behind.

- Docker and Lambda usage in production is approximately 15 percent.
- More customers use NoSQL databases than traditional (RDBMS) databases.
- Security is a #1 priority, but only 50 percent are leveraging the primary security audit for AWS (CloudTrail).

THE OS DISTRIBUTION DIFFERENCE

Enterprises are using cloud services like AWS for their core IaaS offerings (i.e. host/server and OS).

- AWS workloads are predominantly deployed on Linux while early Azure data shows dominance of Windows.
- The OS within cloud services is dramatically different from on premise environments.

SOLUTIONS:

Sumo Logic and AWS

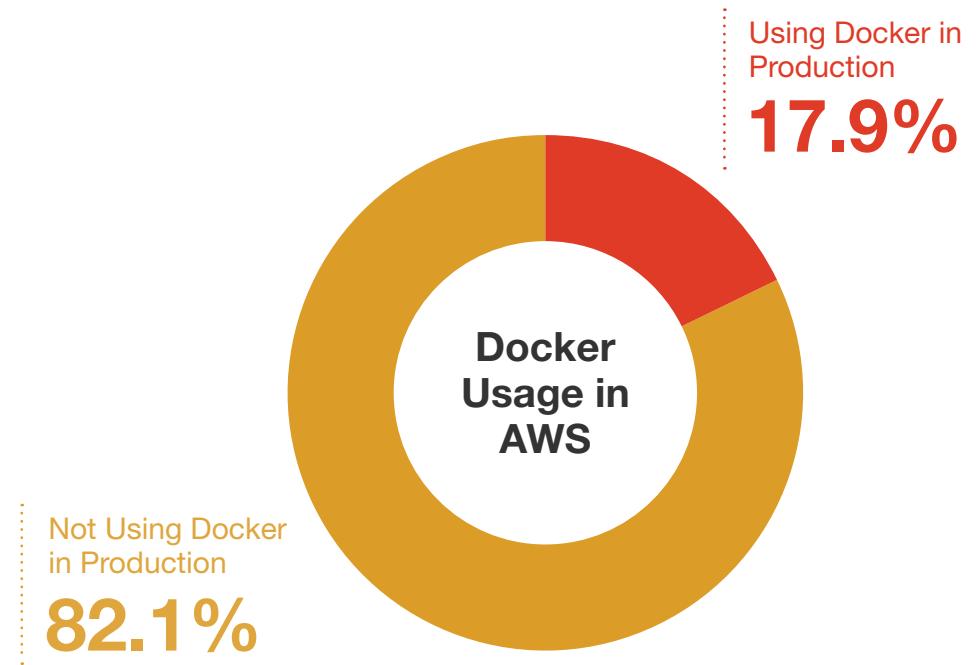
As a leading machine data analytics service built on AWS, Sumo Logic is becoming a trusted solution for businesses to manage and secure applications and infrastructures in production environments. Here's a quick look at how Sumo Logic aligns with three AWS infrastructure solution offerings.



Docker Adoption is Gaining Steam in AWS

Containers technologies like Docker are no longer experimental; they are a critical foundational layer for future modern applications.

- They enable DevOps teams to build, ship, and run distributed applications more efficiently.
- Docker is also an excellent infrastructure choice to build microservices.
- Docker is a relatively new technology, yet almost 1 in 5 AWS users use Docker already.
- Significant adoption of Docker also implies growing use of microservices based applications.



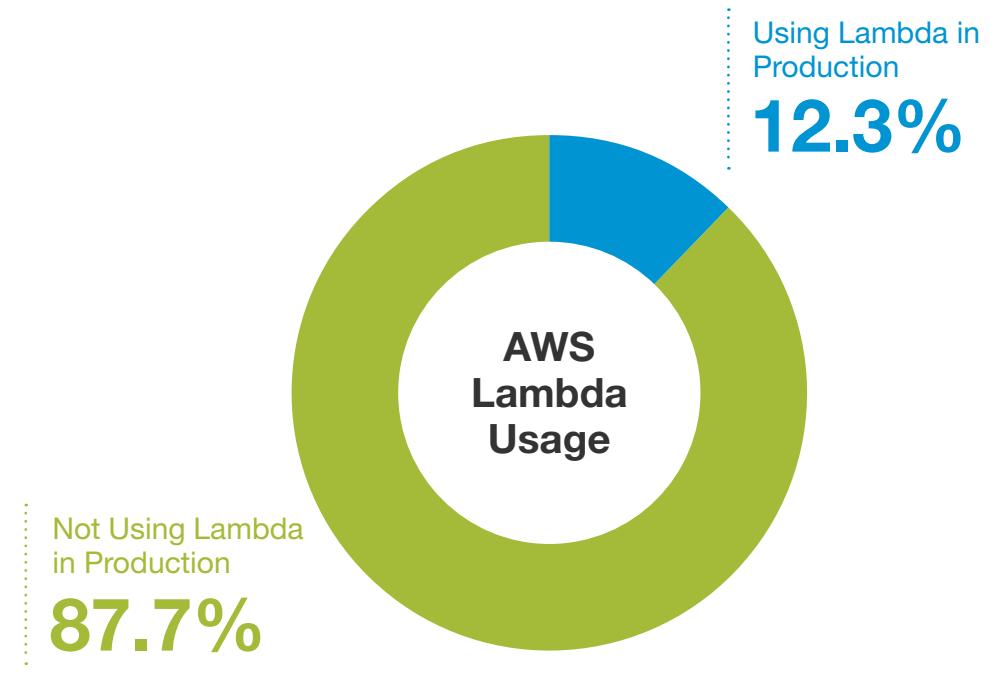
WHY SUMO LOGIC AND AWS DOCKER?

The Sumo Logic app for Docker provides operational insight into your Docker containers. The app includes Dashboards that allow you to view your container performance statistics for CPU, memory, and the network. It also provides visibility into container events such as start, stop, and other important commands.

AWS Lambda Adoption is Rising

Serverless computing is a real option for enabling modern applications. Companies are turning to AWS Lambda for application or deployment automation technology.

- AWS Lambda lets IT teams run code without requiring them to provision or manage server infrastructure.
- 12percent of AWS customers use Lambda.
- Some of the initial use case for AWS Lambda is focused on cloud/DevOps deployment.



WHY SUMO LOGIC AND AWS LAMBDA?

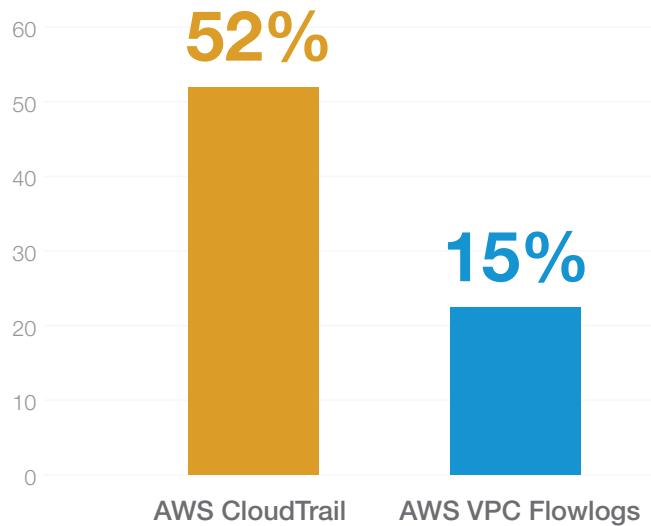
The Sumo Logic app for AWS Lambda uses the Lambda logs via Cloudwatch and visualizes operational and performance trends about all the Lambda functions in your account, providing insight into executions such as memory and duration usage, broken down by function versions or aliases.

AWS CloudTrail Improves Security

Fifty percent of AWS customers are actively using AWS CloudTrail Data to improve application and infrastructure security.

- Security is a top concern for any enterprise moving to public cloud.
- AWS CloudTrail provides a record trail of AWS calls for audit and reporting.
- AWS VPC and VPC Flow Logs enables
- customers to create secure virtual private networks and audit network traffic to these networks.
- Nearly 50 percent of AWS applications are not using the primary and mature AWS audit service (CloudTrail).

Usage of AWS Security Technologies and Data Feeds



WHY SUMO LOGIC AND AWS CLOUDTRAIL?

The Sumo Logic application for AWS CloudTrail enables customers to rapidly get insights into user behavior, network and security events, authorization failures and operational efficiencies. The application is directly integrated with a customer's AWS account and provides queries, reports and real-time dashboards for greater visibility into their security and operations practices.

About Sumo Logic

Sumo Logic delivers the only cloud-native, real-time machine data analytics platform that provide continuous intelligence – insights across build, run and secure disciplines for modern applications.



UNIFIED PLATFORM FOR LOGS AND METRICS

Analyze all data in real time and monitor apps and infrastructure in real time.



ADVANCED MACHINE LEARNING AND PREDICTIVE ANALYTICS

Make sense of expected and unexpected behavior across your environment with pattern, anomaly, and outlier detection.



PROVEN CUSTOMER SUCCESS

Thousands of customers trust Sumo Logic for their operational and business insights.

LEARN MORE:

<https://www.sumologic.com/aws/>

GET A FREE TRIAL:

<https://www.sumologic.com/signup-free>