Speed time to insight with real-time search and analytics in the cloud

Making real-time, data-driven decisions requires the ability to store, search across, and analyze massive amounts of data. From identifying and addressing network security incidents to tracking the COVID-19 pandemic to meeting changing warfighter requirements, agencies need real-time visibility into their data and network operations. Yet many lack these capabilities, and poor query performance combined with data silos continue to hamper visibility and discourage ad hoc exploration of data that could yield critical insights.

Even when data is centralized, the sheer volume of it can make it impossible to provide timely access and analysis because existing databases and data warehouses break at scale. Additionally, legacy infrastructures inhibit retrospective analysis and cannot accommodate machine learning to streamline human decision making processes. All of these data dilemmas slow agency responses and threaten to jeopardize mission effectiveness. In order to solve for these dilemmas and speed time to insight, federal agencies are increasingly moving their data to the cloud.

Elastic Cloud is a family of managed offerings that brings the Elastic Stack as well as three powerful solutions to the cloud: enterprise search, observability, and security. Elastic's managed cloud service relieves agencies of the complex acquisition, implementation, operation, and evolution lifecycle – freeing IT and line of business leaders to focus on critical insights. With three solutions built on one powerful stack available through a FedRAMP authorized cloud service, Elastic empowers government agencies to get insights faster, simplify operations, and scale securely while reducing risk.

Remove barriers to data-driven decision making

For many agencies, the rapid growth and variety of cloud data are among the most significant barriers to data-driven decision making. Elastic Cloud breaks down these barriers by bringing all agency data together, regardless of location or structure, for analysis and visualization in real time, at scale.

With Elastic Cloud, agencies can deploy solutions in minutes, accelerating time to insight. They also benefit from service reliability with a 99.95% uptime service level agreement, as well as security and compliance. Elastic Cloud enables agencies to deploy Elastic solutions either as a managed service or with orchestration tools they manage in the cloud. When delivered as a managed service, agencies get the latest version and security updates, monitoring around the clock, exclusive features, and access to Elastic Support.

Simplify operations with flexible deployment and pricing

The Elastic Stack, Elastic Enterprise Search, Elastic Observability, and Elastic Security are all available in the cloud or on agency networks in any deployment model – managed service, self managed, on premises, or hybrid. Because Elastic solutions are based on the open source Elastic Stack, agencies concerned about vendor lock in are assured of an exit ramp if they want to move from one deployment model to another.

In addition to the Elastic Cloud managed service, Elastic solutions are available via the following:

- Elastic Cloud Enterprise (ECE), a standalone, user-managed product that is deployed on customer-selected hardware in public or private clouds, virtual machines, or on premises. Agencies may choose ECE if they need to host regulated or sensitive data on an internal network, want to reuse on-premises infrastructure, or need to centralize management of Elastic deployments across teams or geographies.

- Elastic Cloud on Kubernetes, which extends Kubernetes orchestration capabilities to support the setup and management of Elastic Stack and solutions for enterprise search, observability, and security. Agencies using Kubernetes benefit from the ability to manage and monitor multiple clusters, scale cluster capacity and change cluster configuration, and upgrade to new stack versions with ease.

Operational flexibility extends to pricing as well. Cloud costs are often based upon volume of data ingested, seats needed, agents deployed, or hosts required, regardless of the computing resources actually used. Elastic, on the other hand, employs resource-based pricing, which is based on the hardware resources used to store, search, and analyze data, no matter the use case or the deployment model. Pricing is simple: agencies purchase capacity and can change how they use it to accommodate new requirements. They pay for what they use, and nothing else.

Scale securely while reducing risk

Agencies can take advantage of enterprise search, observability, and security solutions via Elastic Cloud in AWS GovCloud with full Federal Risk and Authorization Management Program (FedRAMP) Moderate authorization to operate (ATO). AWS GovCloud is an isolated Amazon Web Services region designed to host sensitive data and regulated workloads in the cloud, helping public- and private-sector organizations support their U.S. government compliance requirements.

Agencies using Elastic's FedRAMP authorized cloud offering benefit from deployments that are secured by default. Security best practices are built right into the service, including SAML and multi-factor authentication. Everything is run on secure servers down to the open source layer with constant monitoring and live kernel updating. Users have the ability to enable IP address filtering and connect via private cloud connections with private IP addresses. Data is encrypted in transit and at rest, including snapshots. System patches and security updates are deployed universally and are available the same day with the one-click updating to help ensure zero downtime.

In addition, Elastic's IT security team is fully engaged in fulfilling ongoing FedRAMP compliance, governance, and ATO requirements. Agencies receive the support they need to maintain ATOs and keep systems running securely.

Elastic Cloud is the simple, affordable, efficient way to take advantage of everything Elastic has to offer for your government agency, and it's completely free to try for 30 days, no credit card required. Learn more and start your free trial at https://www.elastic.co/federal/cloud.

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