Elasticsearch Service on Elastic Cloud

The official service from the creators of Elasticsearch

Presenter
Date

SaaS and Managed Services

SPEED

Fast time to value

Instant global infrastructure & operations encourage experiments and get you to market.

Agility

Pivot quickly to respond to competitive pressure, opportunity, or changing customer expectations.

SIMPLICITY

Operational Simplicity

Focus on driving business value versus managing infrastructure, operations or integrating products.

Development Simplicity

A single programming model and integrated product portfolio that can address search, observability, security.

SECURITY & RISK REDUCTION

Secure from the start

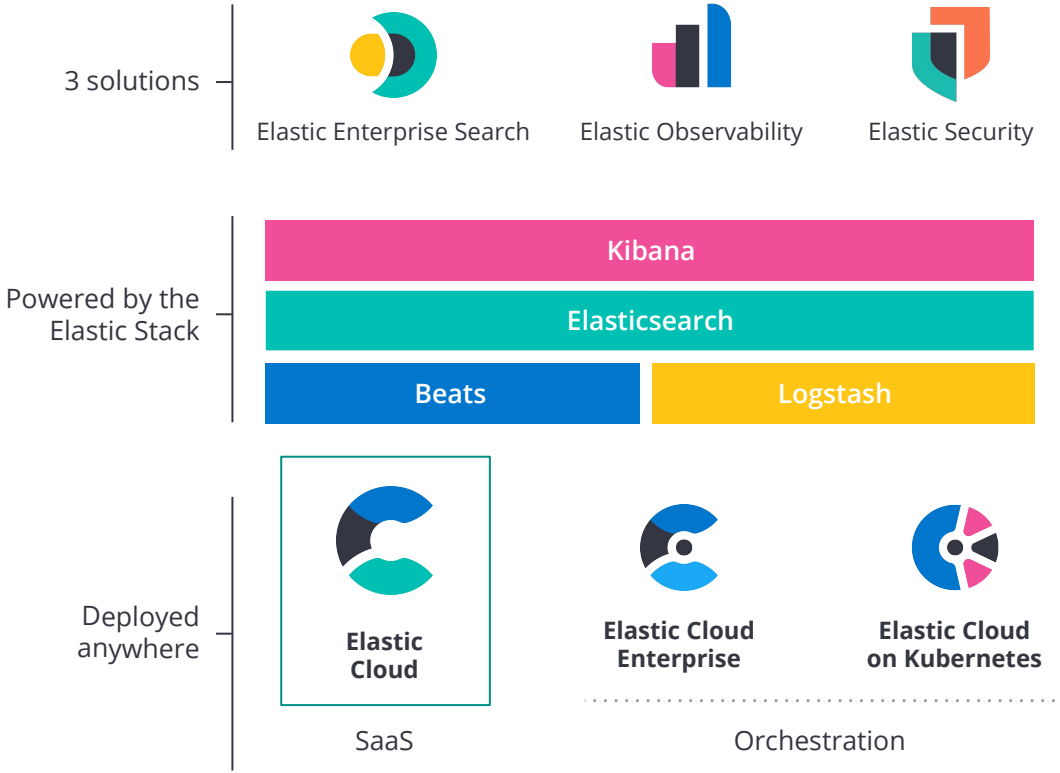
All deployments automatically have the best security by default, no configuration. Elastic compliance included.

Reduce Risk

Source global infrastructure, ops and support experts from the originators of the Elasticsearch technology on any cloud.

elastic

Elastic Technology



elastic

Only with Elastic Cloud


Lens & Canvas


Machine learning


Index life cycle management


Integrated stack security


Native sql engine


Spaces


Rollups


Cross cluster search


Alerting


Maps

Exclusive Features


ELASTIC ENTERPRISE SEARCH


ELASTIC OBSERVABILITY


ELASTIC SECURITY

Exclusive Solutions

elastic

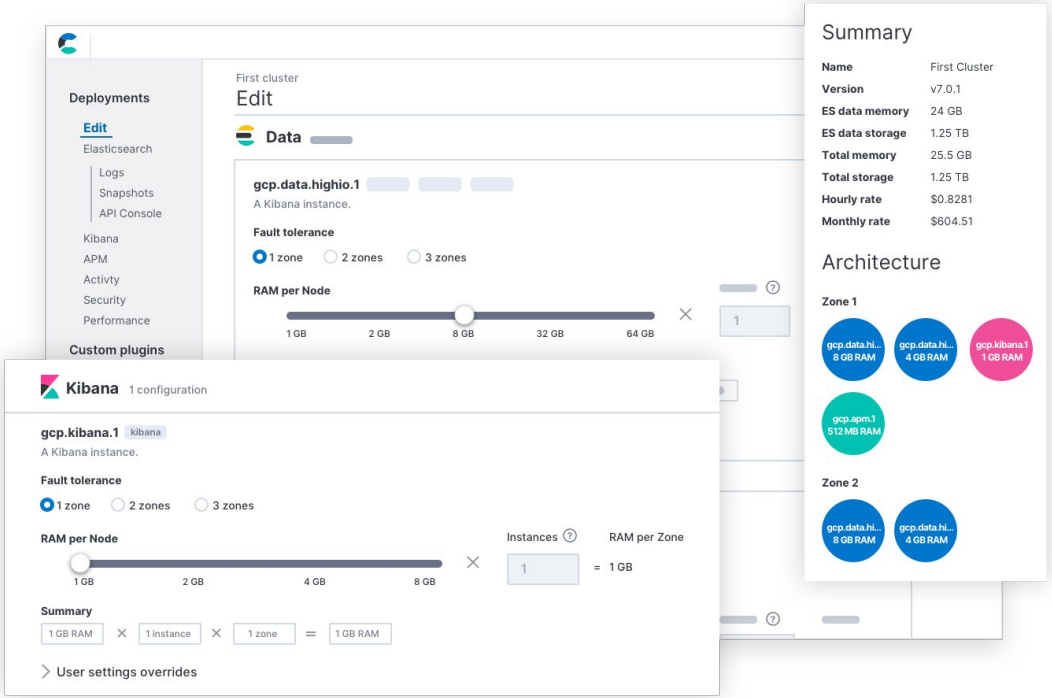
Elasticsearch Service on Elastic Cloud

Fast, Simple, Secure Cloud for your mission critical apps

ELASTICSEARCH SERVICE

Managed Elasticsearch and Kibana

Deploy, operate, and scale our solutions, Elasticsearch, and Kibana in an instant on AWS, Azure, or GCP.



elastic

Elasticsearch Service on Elastic Cloud: Benefits

For Elastic Stack and Solutions

SPEED

Fast time to value

Agility

SIMPLICITY

Operational Simplicity

Development Simplicity

SECURITY & RISK REDUCTION

Secure from the start

Reduce Risk

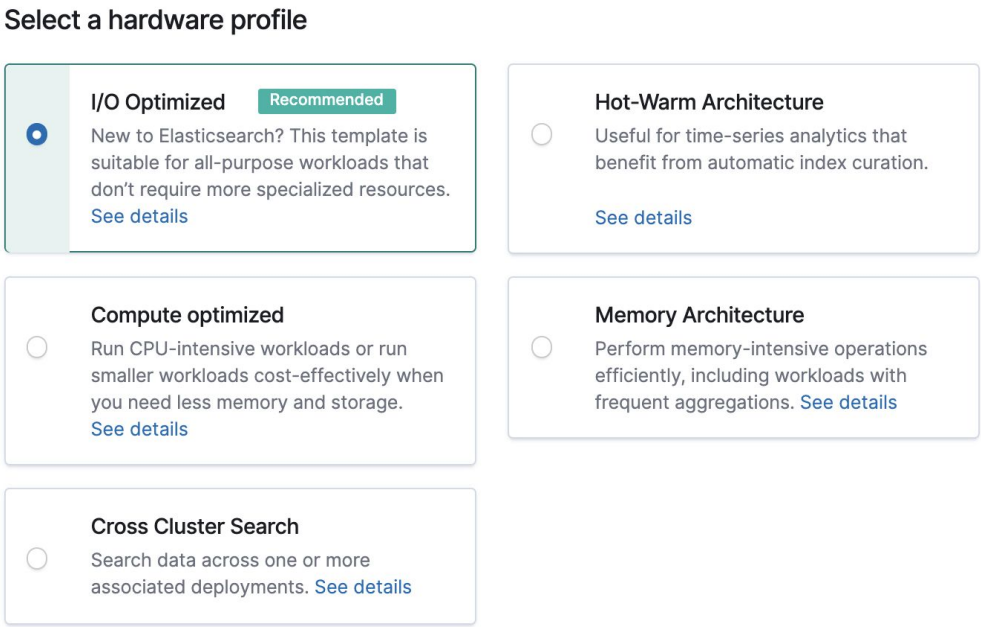
elastic

Elastic Best Practices for Your Use Case

With a click

How long does it take to deploy a new cluster, hot-warm, the architecture you want?

- Predefined deployment templates use Elastic tested and recommended instance types and configurations
- Hot-warm deployment with index lifecycle management for large scale time-series use case
- Independently scale Elasticsearch node roles for improved ingest and search performance



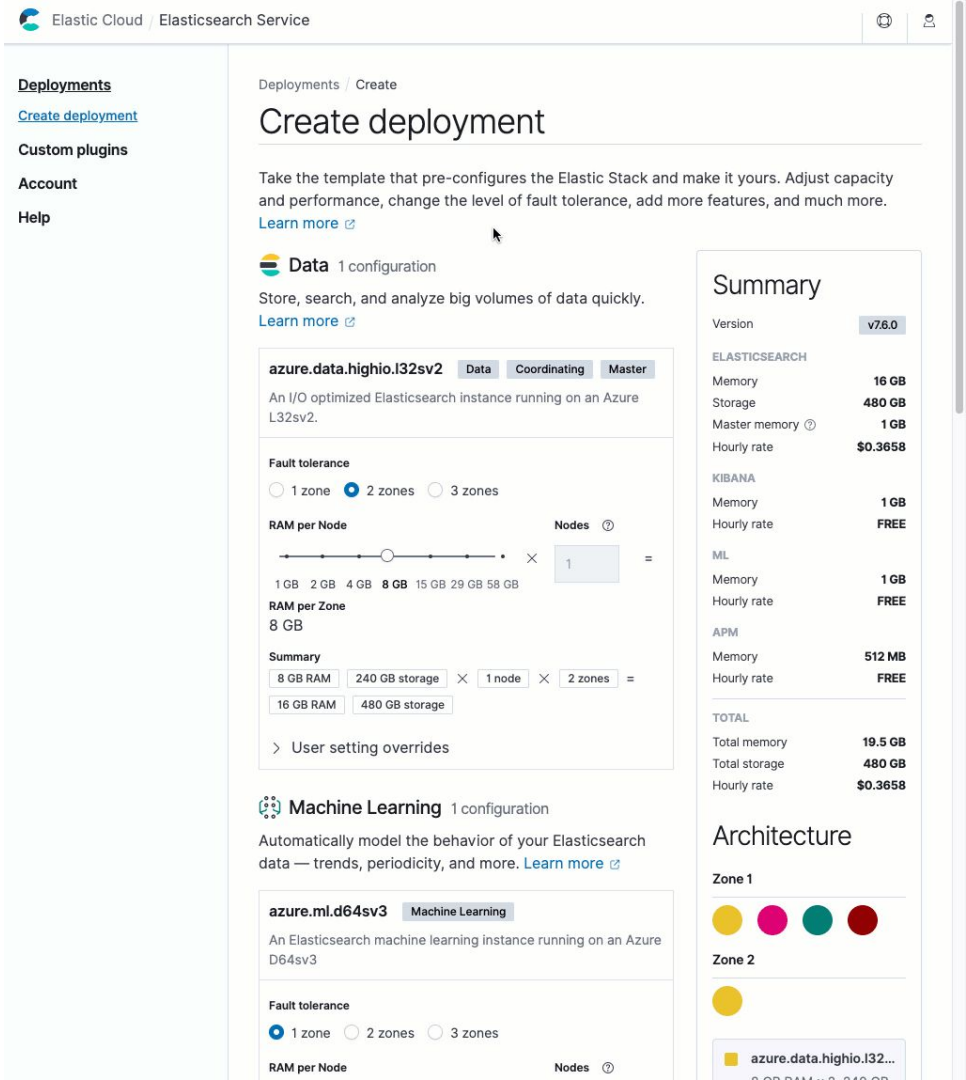
elastic

Simple Cluster Management

Ease of use

Do you have long upgrade times, big deployments, multiple use cases?

- Configure, manage and scale multiple deployments with a single console
- In-place configuration changes for faster and more reliable cluster changes
- Automatic snapshots with configurable frequency and retention
- Deploy / turn on built-in monitoring cluster with a click in Kibana

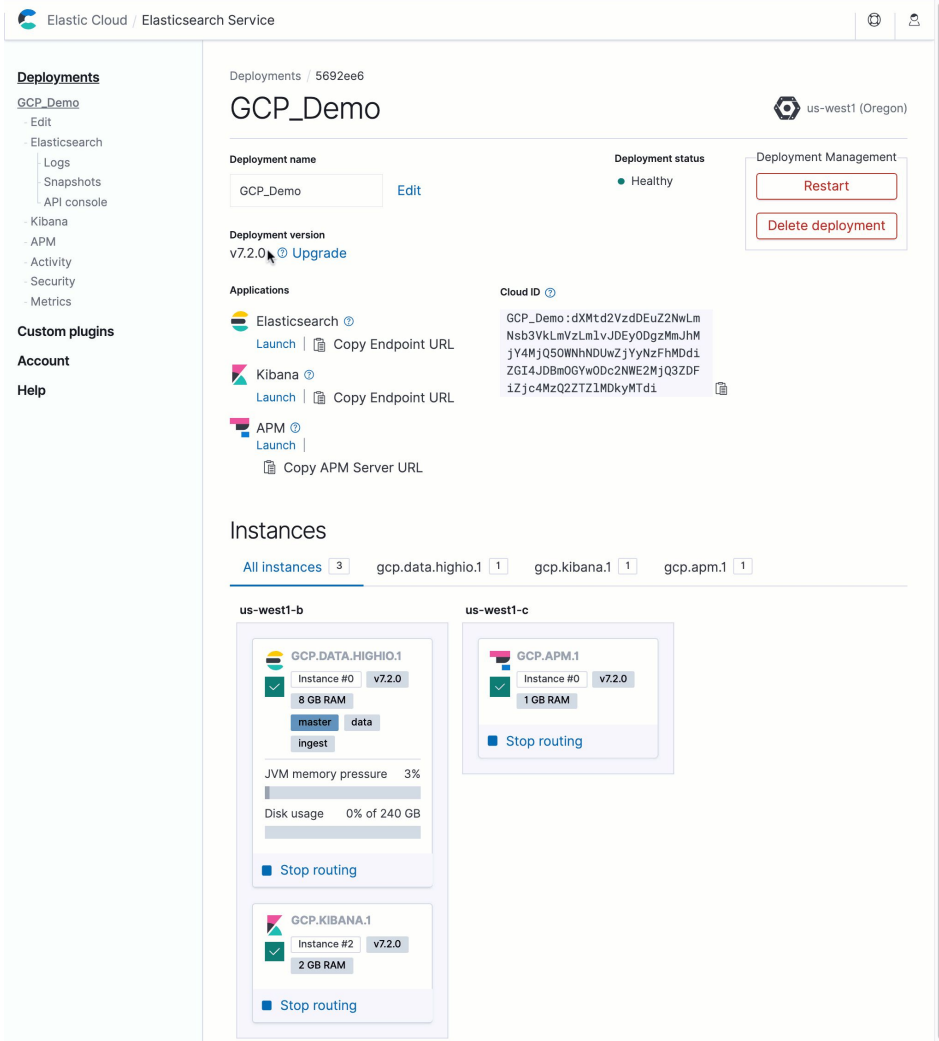


Simple Cluster Management

REST API, High Availability, Upgrades

Do you experience downtime with upgrades, use APIs, hit cloud quotas? How often do you upgrade?

- Zero downtime upgrades with a few clicks
- CI/CD pipeline integration via Public REST API and ecctl command line
- High availability across multiple AZs
- Smooth scaling with no quota delays from your cloud provider



Continuous Compliance

In the cloud

What customer type do you need to serve?

- HIPAA
- CSA Star Level 2
- SOC 2 Type 1, Type 2 and SOC 3
- ISO 27001, ISO 27107, ISO 27018
- FedRAMP authorized at Moderate impact level, deployable to AWS GovCloud (US)
- Elastic Cloud operates in compliance with GDPR principles

https://www.elastic.co/cloud/security

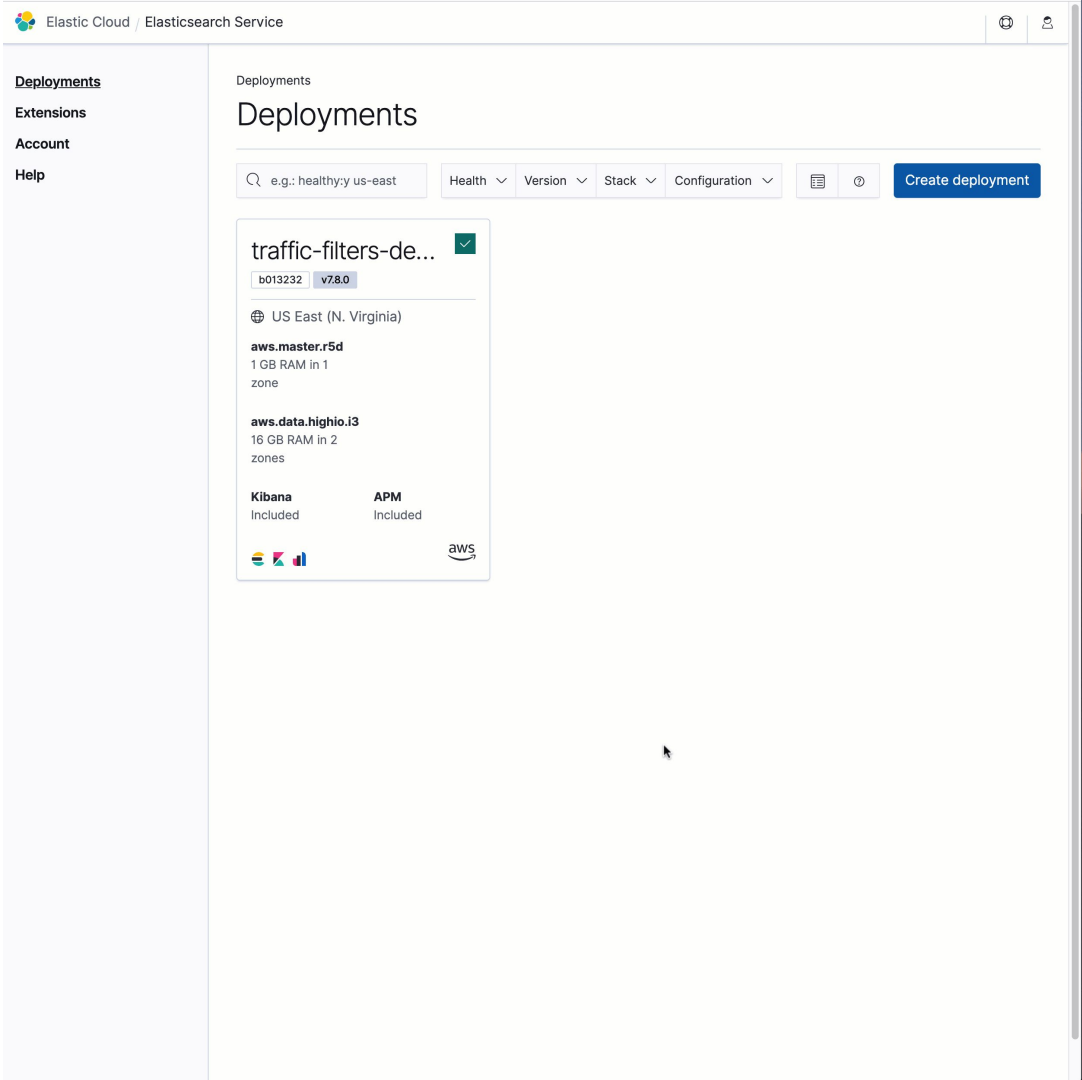
elastic

Secure by Default

Native security, fully integrated

How long do you spend configuring security, how do you ensure you are protected?

- Native Authentication: SAML & OIDC, Kerberos Auth and more
- Native Authorization: Powerful role and attribute based access control, field and document level security
- Network security: IP filtering and AWS PrivateLink integration
- Elastic Cloud is always up to date with any new Stack and solution security updates

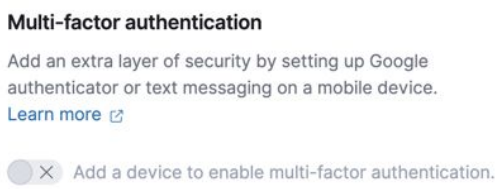


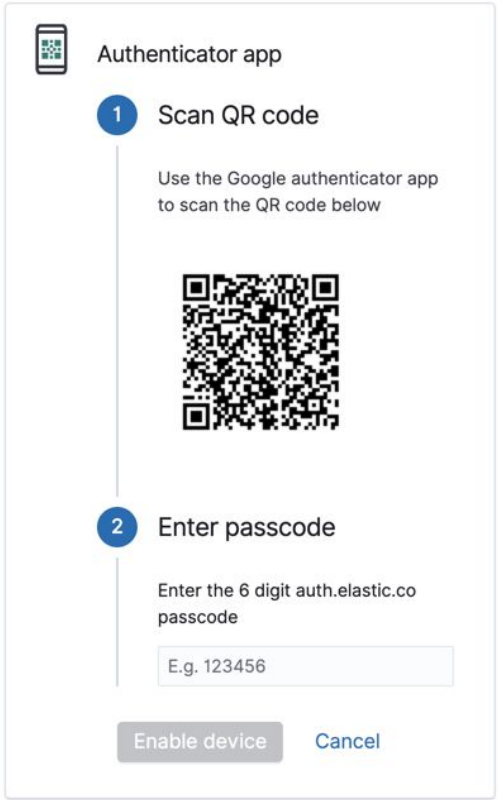
Secure by Default

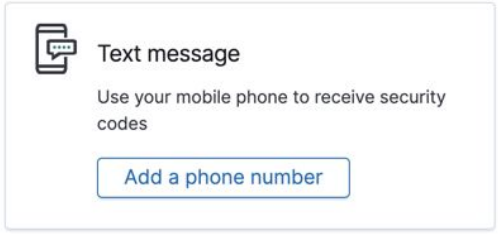
Encryption, patching, hardening

How long does it take to configure encryption, perform security patches, how much downtime?

- Data and snapshot encryption at rest (EAR)
- TLS encryption of data to, from, and within your deployments
- Multi-Factor Authentication for Elastic Cloud console
- CIS Level 1 & 2 Server Profile OS hardening
- OS kernel patches in ~48 hours from CVE publication in our virtual images





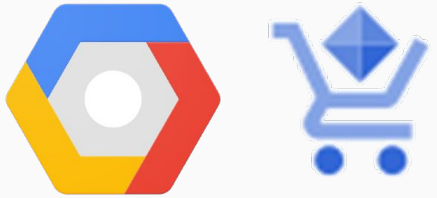


Consolidate your Cloud Bills

One bill from AWS, GCP + Elastic

Billing integration for major cloud providers

- Subscribe and pay using your GCP or AWS account
- Draw down from GCP and AWS spend commitment
- Support for monthly standard and premium tiers
- Azure Marketplace integration coming soon (~Aug 2020)



Elasticsearch Service

Fast, Simple, Secure Cloud from Elastic

8+ years

Experience operating
Elasticsearch as a service

22,000+ Clusters, 39 Regions

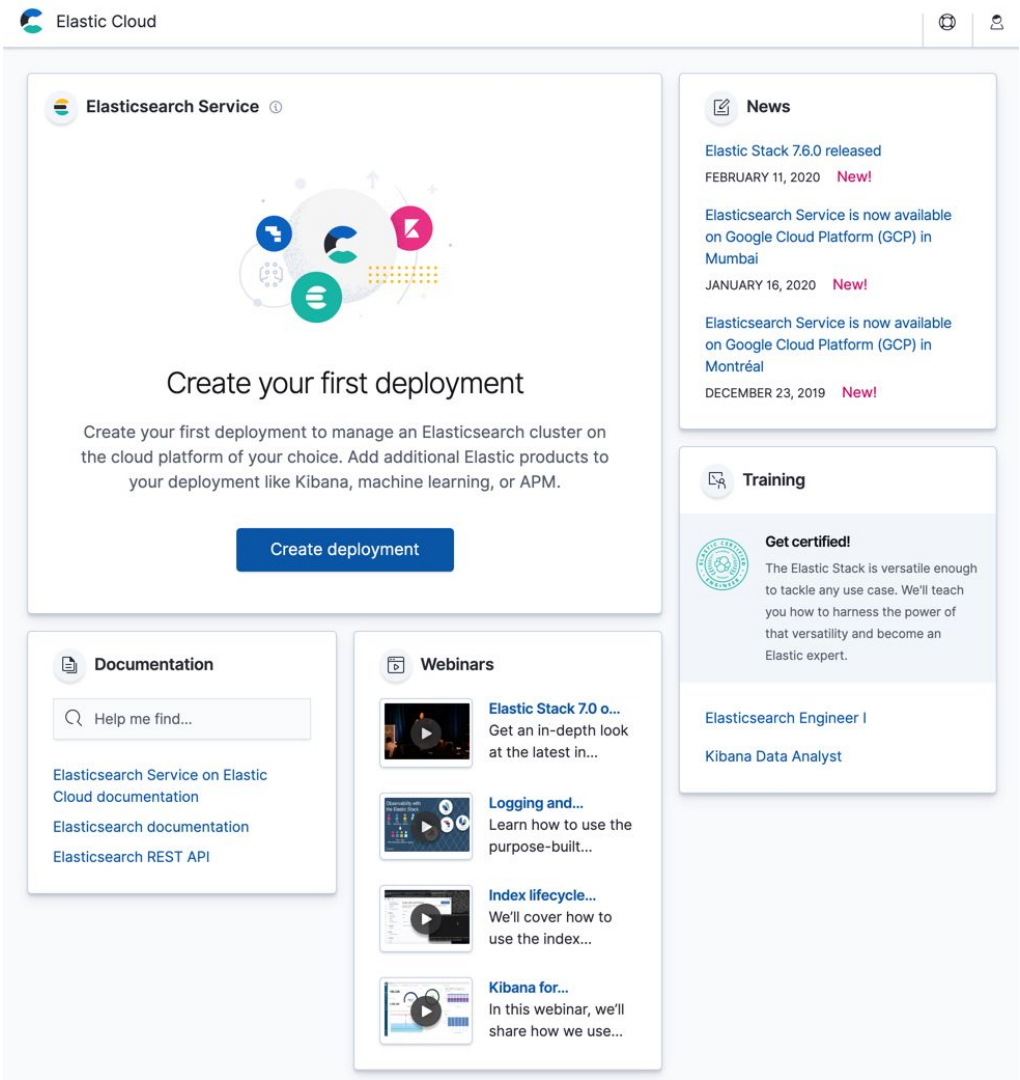
Created & maintained for every
possible use case around the world

3 Cloud Providers

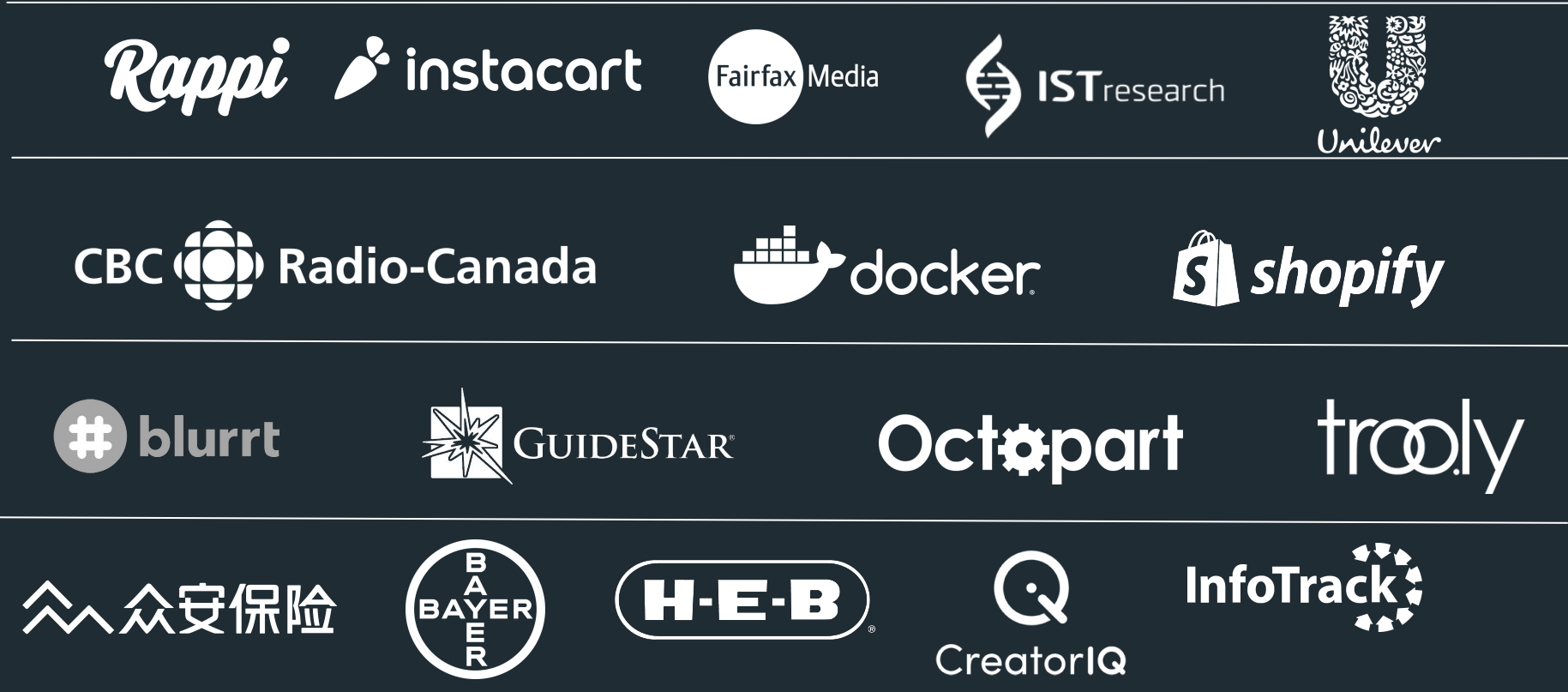
Supported on AWS, Azure, Google Cloud
AWS GovCloud (US)

Always the latest version

New Stack/Solution releases are available on Elastic Cloud and as downloadable software the same day



Customers of all sizes, use cases and geographies



A Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Thank You

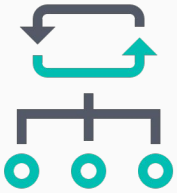
Elastic is a Search Company.
www.elastic.co

39 Regions

elastic

Recently Released

- Support for **Elastic App Search**
- Up to 10TB RAM 1PB Storage max **(2x increase)** per deployment
- Cross Cluster Search across clusters in the same region
- Live migration from HighIO to Hot-Warm deployment templates
- OpenID Connect and Kerberos Auth for deployments
- Elasticsearch Service Private (ESSP)



Deploy Anywhere

Deploy Anywhere

SaaS Managed

Elastic Cloud

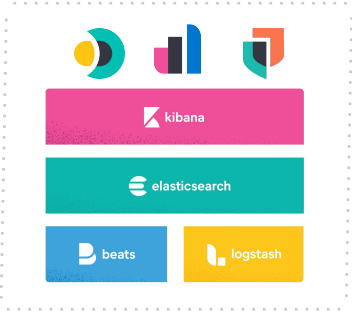
Self-Managed Orchestrated

Elastic Cloud Enterprise

Elastic Cloud on Kubernetes

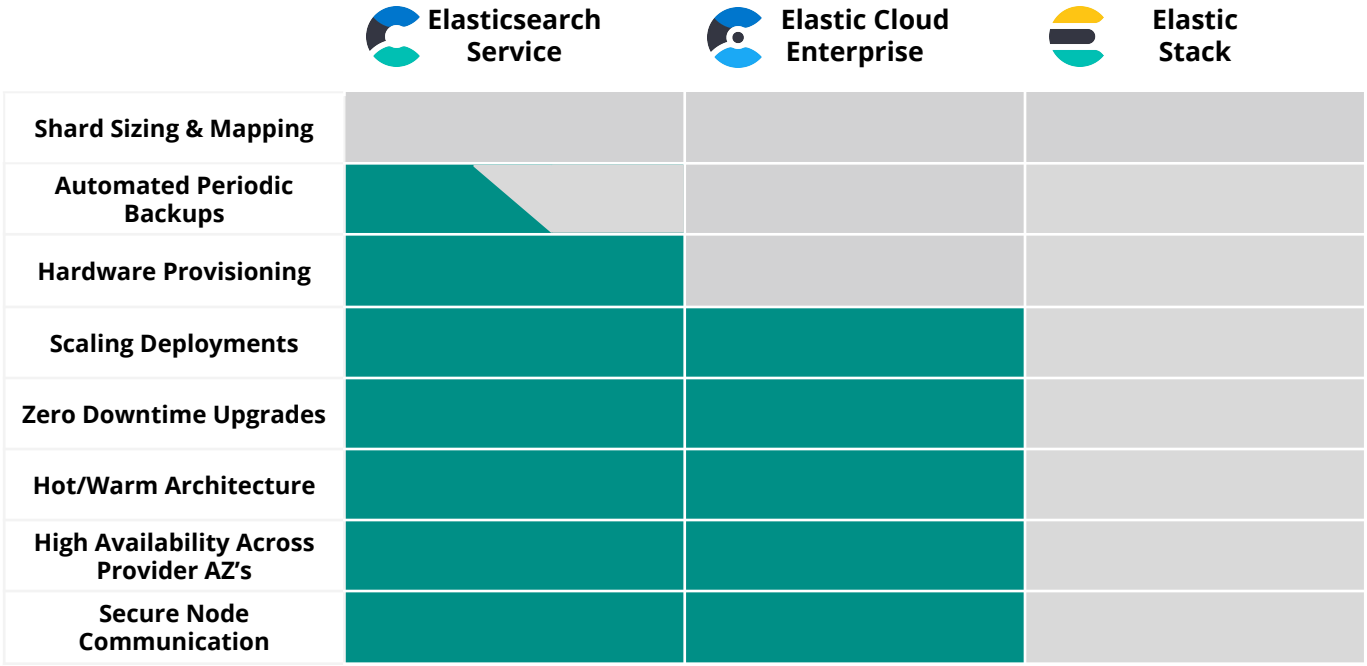
Self-Managed Downloadable

Self-Managed Elastic Stack



elastic

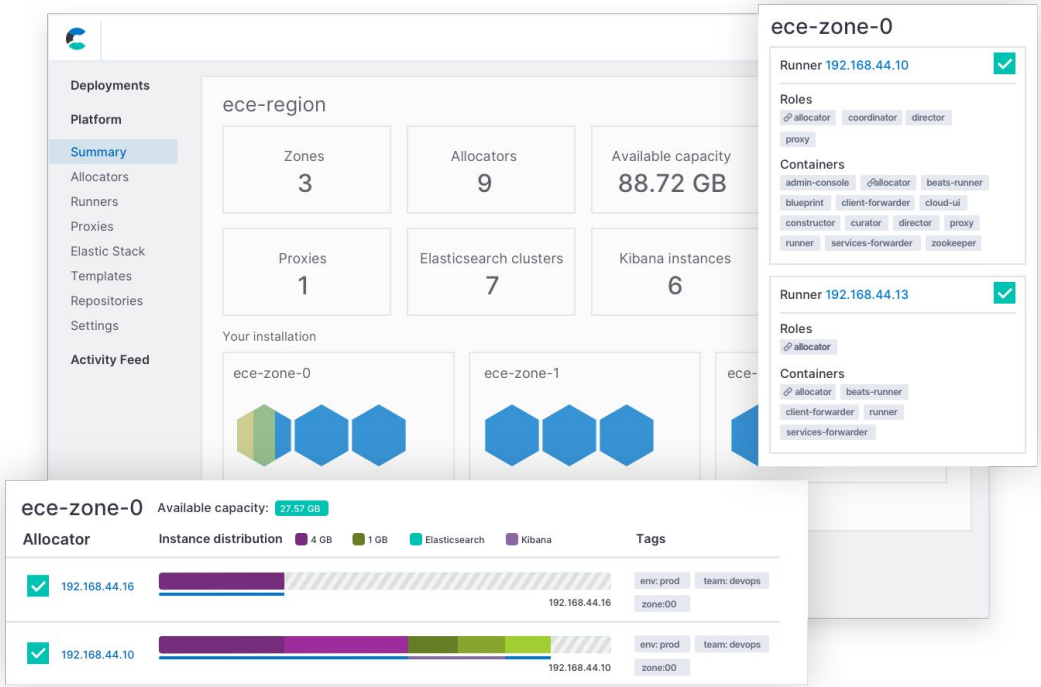
Benefits by Deployment Model



ELASTIC CLOUD ENTERPRISE

Centrally manage your Elastic deployments

Provision, manage, and monitor Elastic products and solutions, at any scale, on any infrastructure, while managing everything from a single console.

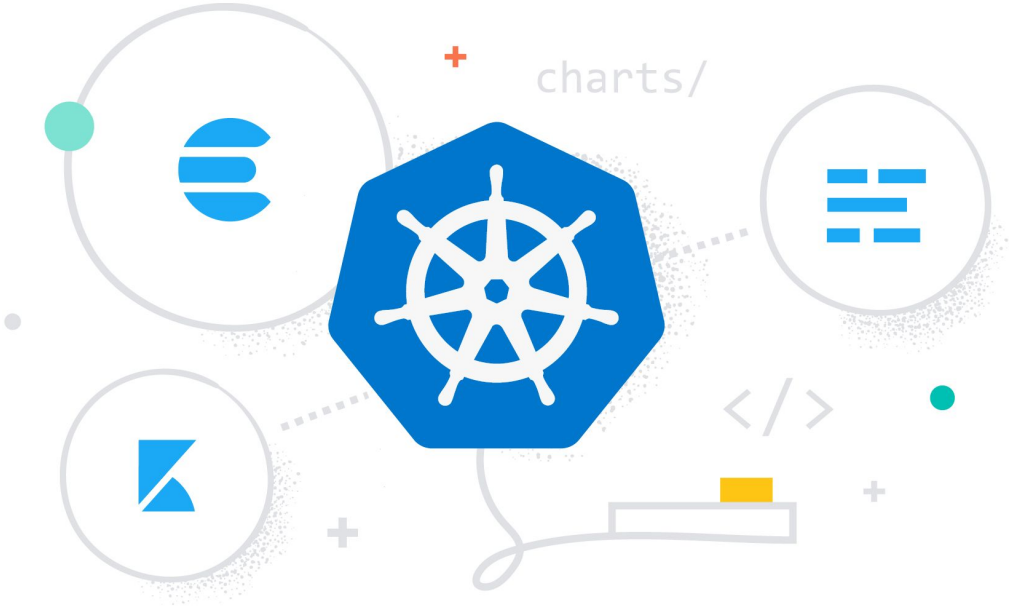


elastic

ELASTIC CLOUD ON KUBERNETES

Official Operator, and much more

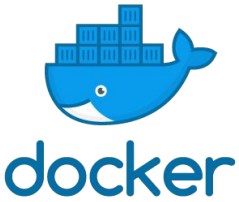
Simplify setup, upgrades, snapshots, scaling, high availability, security, and more when running Elastic products and solutions on Kubernetes.



elastic

Elastic Cloud

elastic



We evaluated other hosted Elasticsearch options and Elasticsearch Service on Elastic Cloud matched our needs for fast response times and ease of operations.

Our philosophy has always been to provide our customers with solutions that are really simple to use. Elastic has made it possible for us to deliver within that scope and create a business analytics tool that anyone can use. And with Elasticsearch Service, we can continue to focus on on our core mission and leave maintenance to Elastic.

We had confidence the Elastic solution worked, but we didn't know what would happen when everyone began to use it at once. Given we were rolling this out just before Christmas, we wanted the assurance of an Elastic subscription and be able to lean on them for support. We also wanted someone to handle the operations while we focused on development which is why we signed on to Elasticsearch Service.

One of the reasons we went with the Elasticsearch Service was to have that flexibility to scale, and I'm so glad that we did. With the press of a few buttons, we went from a three node cluster to a five node cluster and all our performance problems went away...What we've built basically runs itself and if we do need to scale, Elasticsearch Service makes it as easy as getting water out of a tap. It's just not something we have to worry about."

"With Elasticsearch Service we get the stability and performance we need in a service that is maintenance free. I wish all cloud services were as cost effective and seamless as Elastic Cloud"

Solution Slides

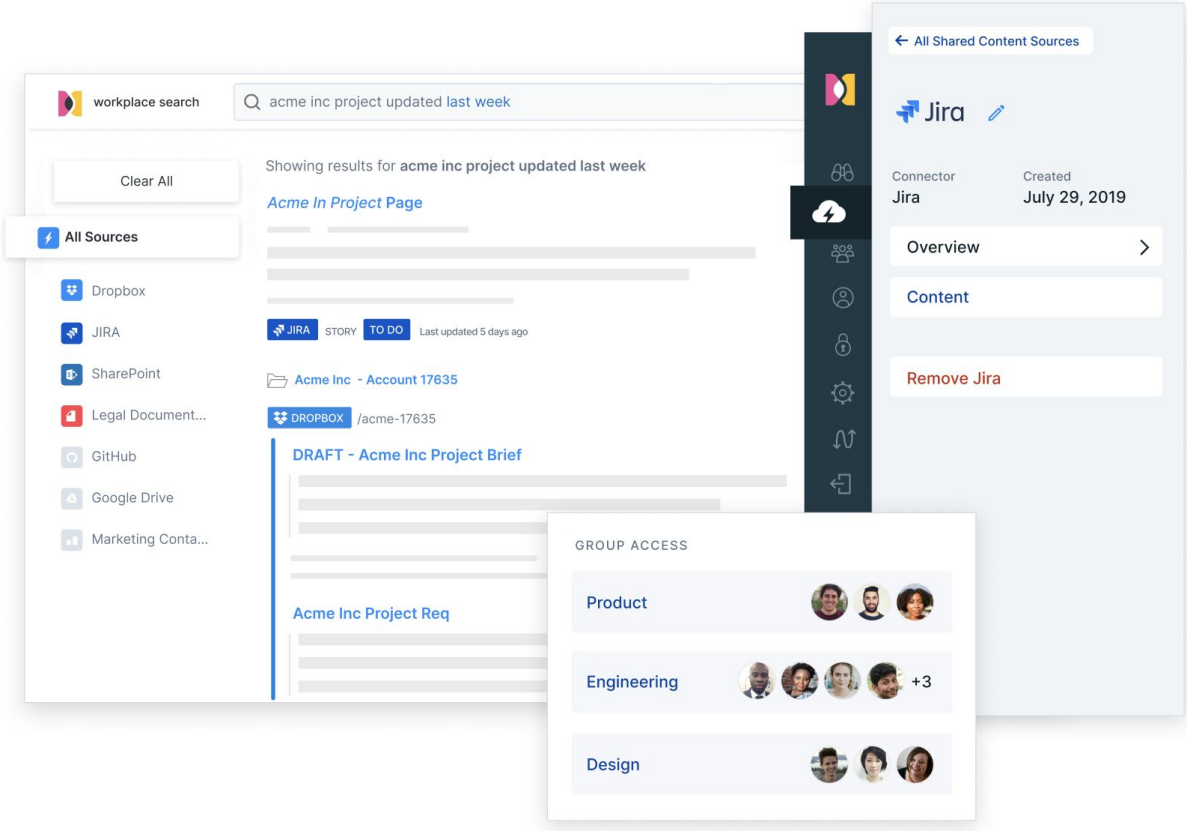
Choose as needed

elastic

ELASTIC ENTERPRISE SEARCH

Search everything, anywhere

Easily implement powerful, modern search experiences across your website, app, or digital workplace. Search it all, simply.

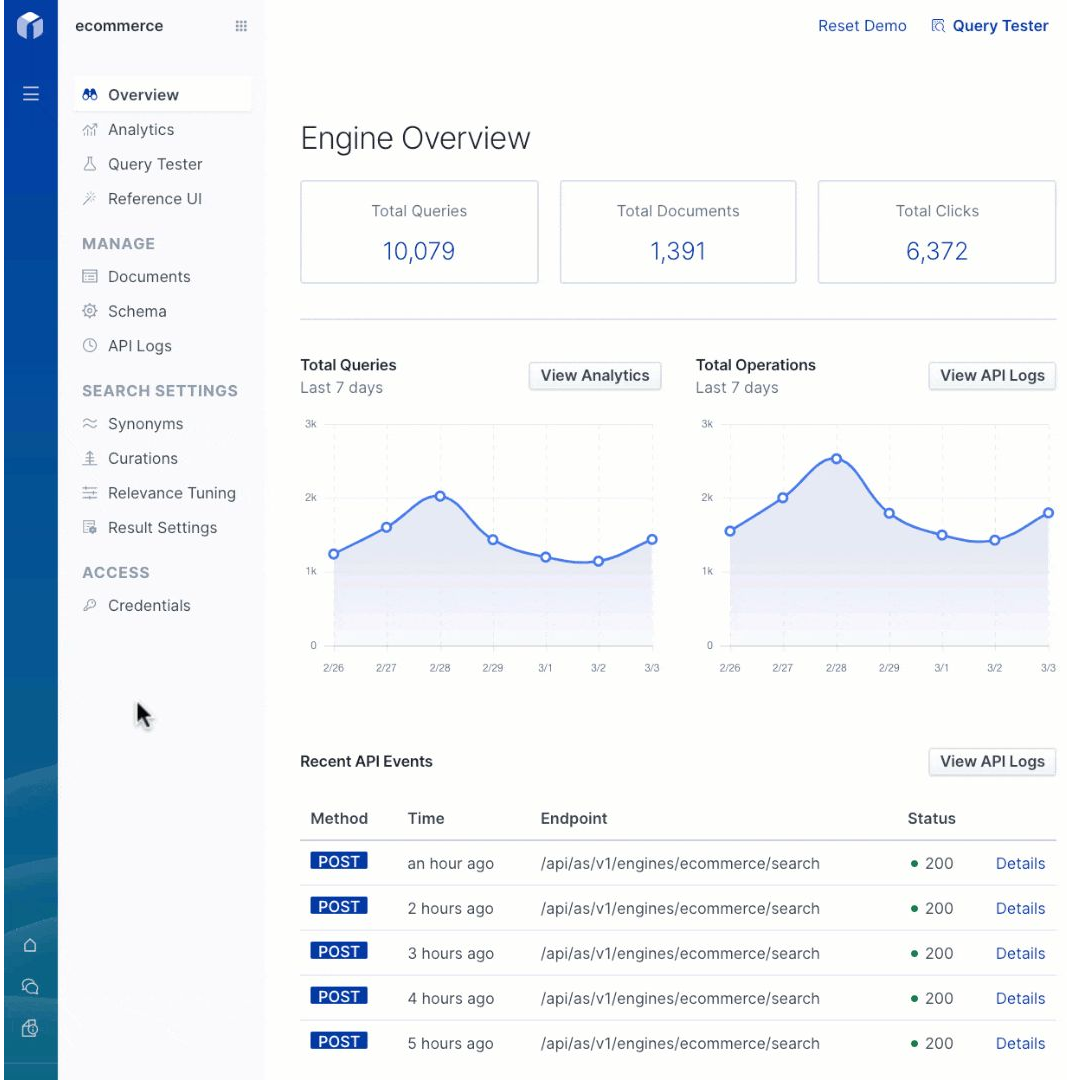


Elasticsearch Service

Instant Elastic App Search

Exclusive App Search Features

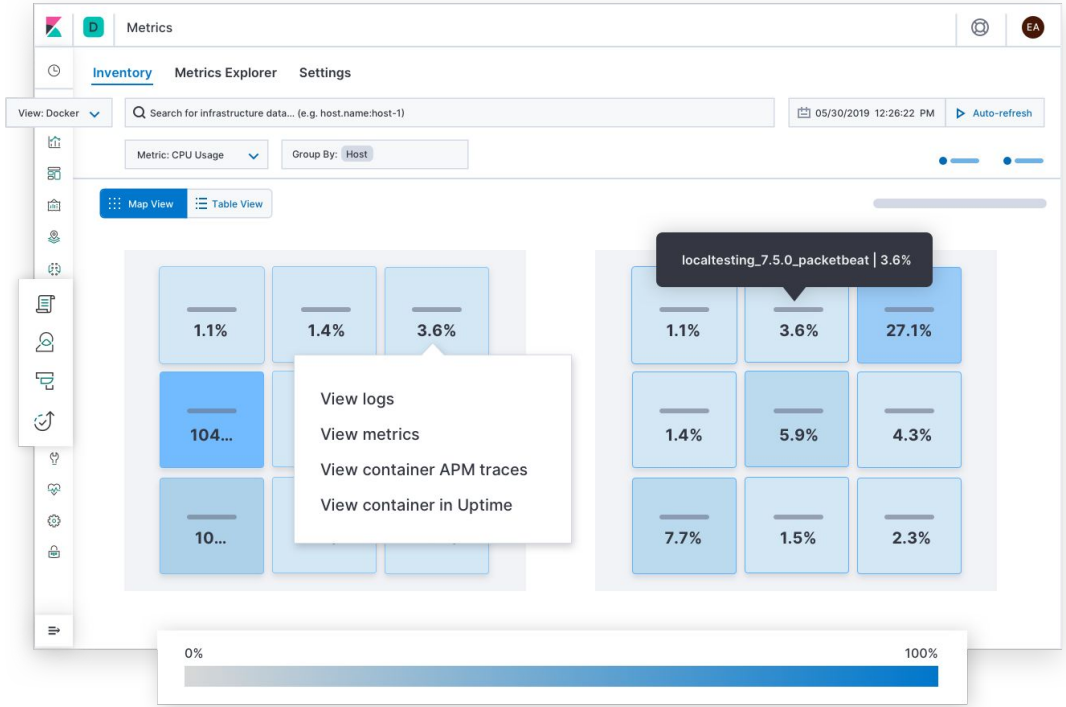
- Powerful APIs and developer tools
- Easy schemaless ingest
- Advanced search relevance and tolerance controls
- Built in real-time analytics for actionable insights
- Intuitive relevance tuning interface for synonyms, weighting, boosting



ELASTIC OBSERVABILITY

Unified visibility across your entire ecosystem

Bring your logs, metrics, and traces together in a single stack so you can monitor, detect, and react to events with speed.



Elasticsearch Service

Instant Observability

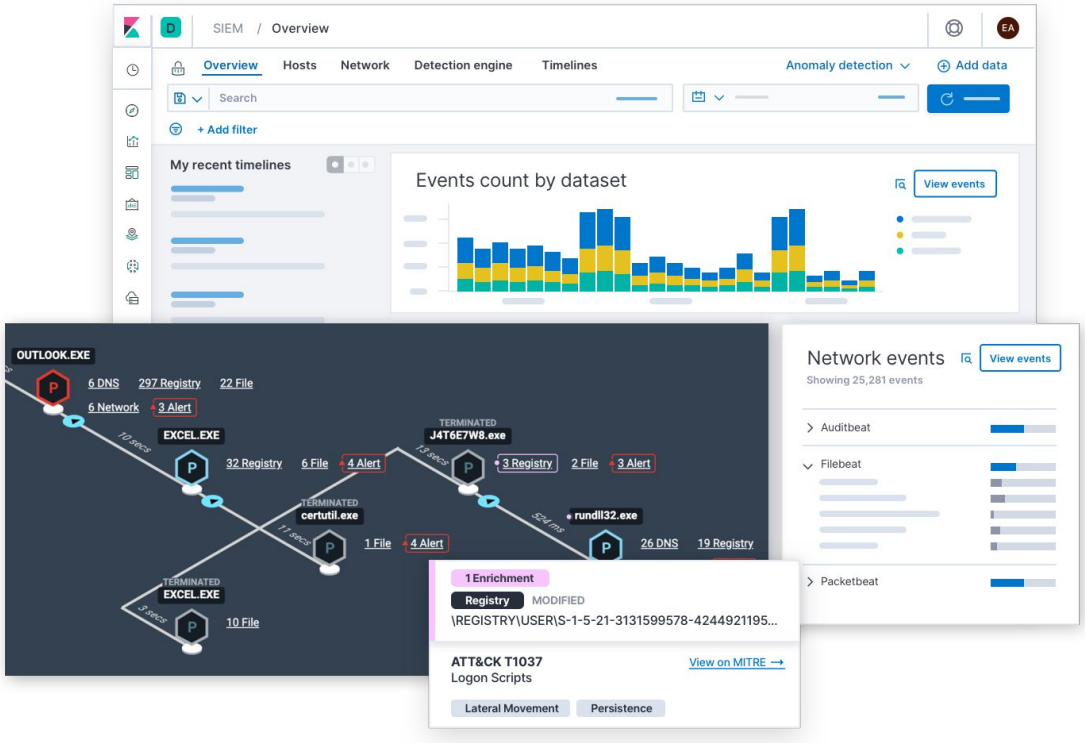
Exclusive Observability Integrations and UI

- Logs App
- Metrics App
- APM App
- Uptime Monitoring App
- Security Integrations

ELASTIC SECURITY

Unified protection from the creators of the Elastic Stack

Elastic Security integrates **SIEM** **Endpoint Security** to prevent, detect, and respond to threats across your ecosystem

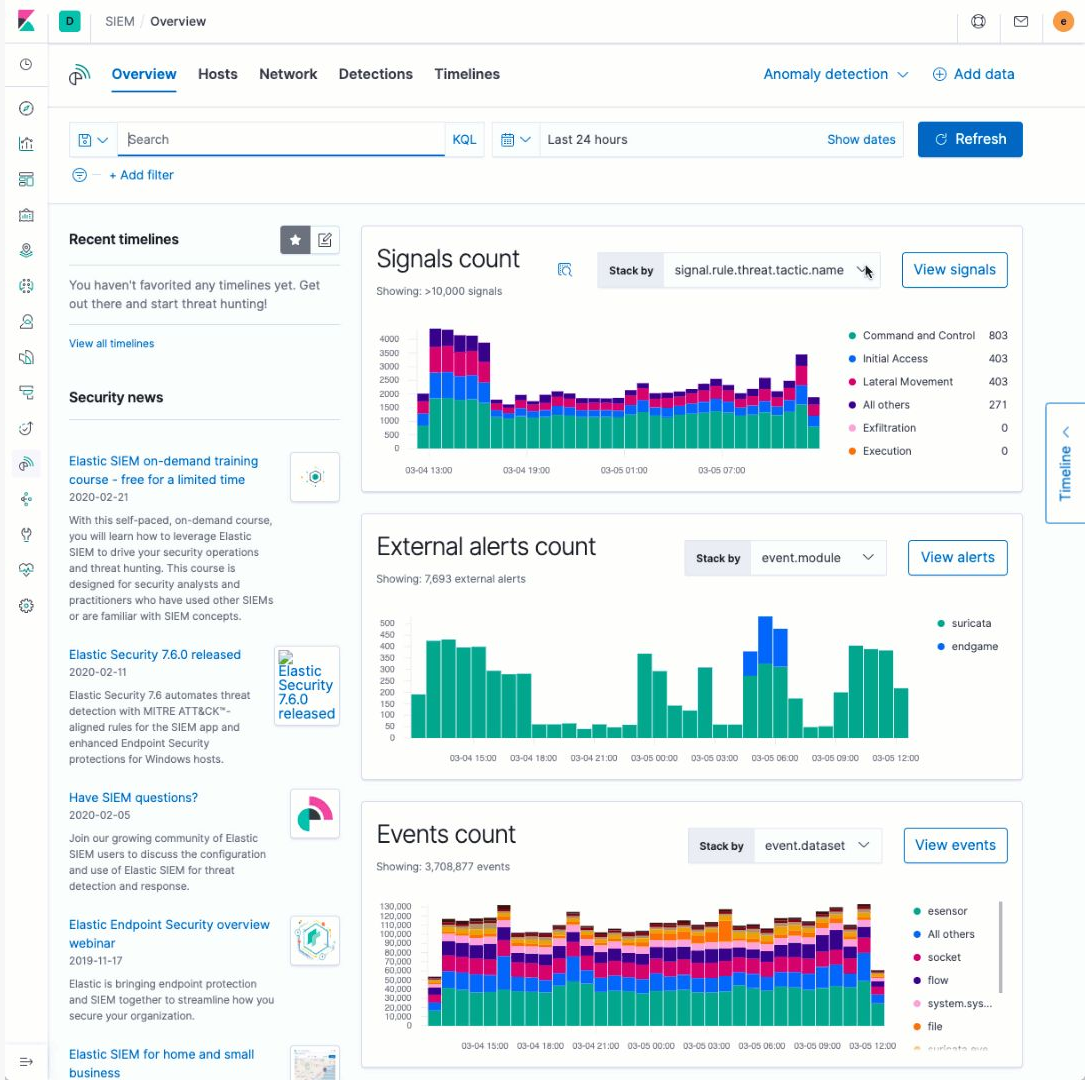


Elasticsearch Service

Instant Security

Exclusive SIEM features

- Fast ingest and preparation with expansive set of data connectors (endpoint, network, cloud, APM, and more) and full support for Elastic Common Schema (ECS)
- Automated detection with out-of-the-box threat detection rules, embedded ML-based anomaly detection jobs and dedicated signals UI for rapid triage
- Threat hunting and analytics with our embedded network connections map, ad hoc queries at scale, interactive timeline



Exclusive Features

Only Available on the Elasticsearch Service

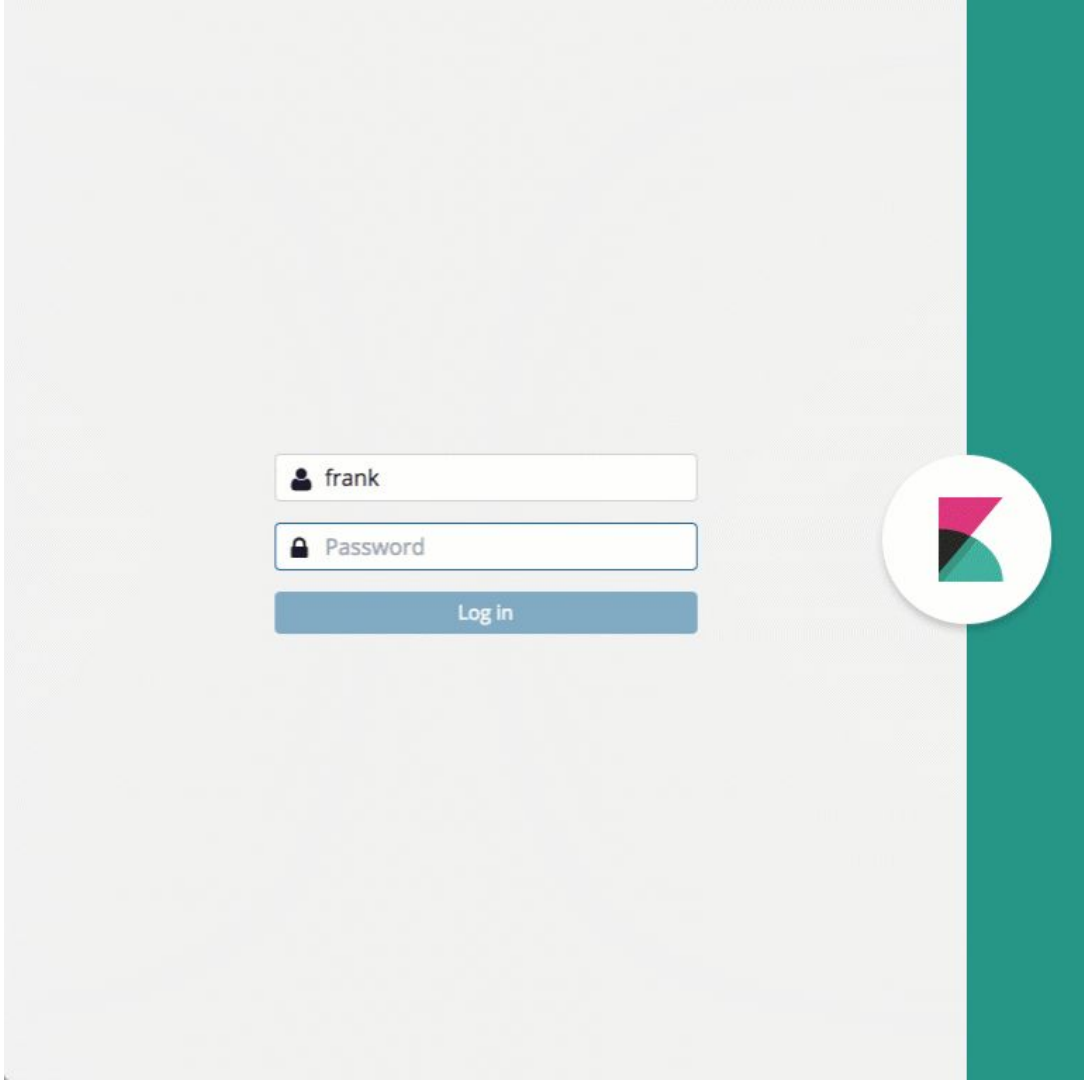
elastic

Elasticsearch Service

No one hosts the stack better

Only hosted Elasticsearch offering with powerful features like:

- **Advanced security, including spaces**
- Canvas
- Machine Learning
- Native, Secure SQL Engine
- Integrated alerting
- Elastic Maps



Elasticsearch Service

No one hosts the stack better

Only hosted Elasticsearch offering with powerful features like:

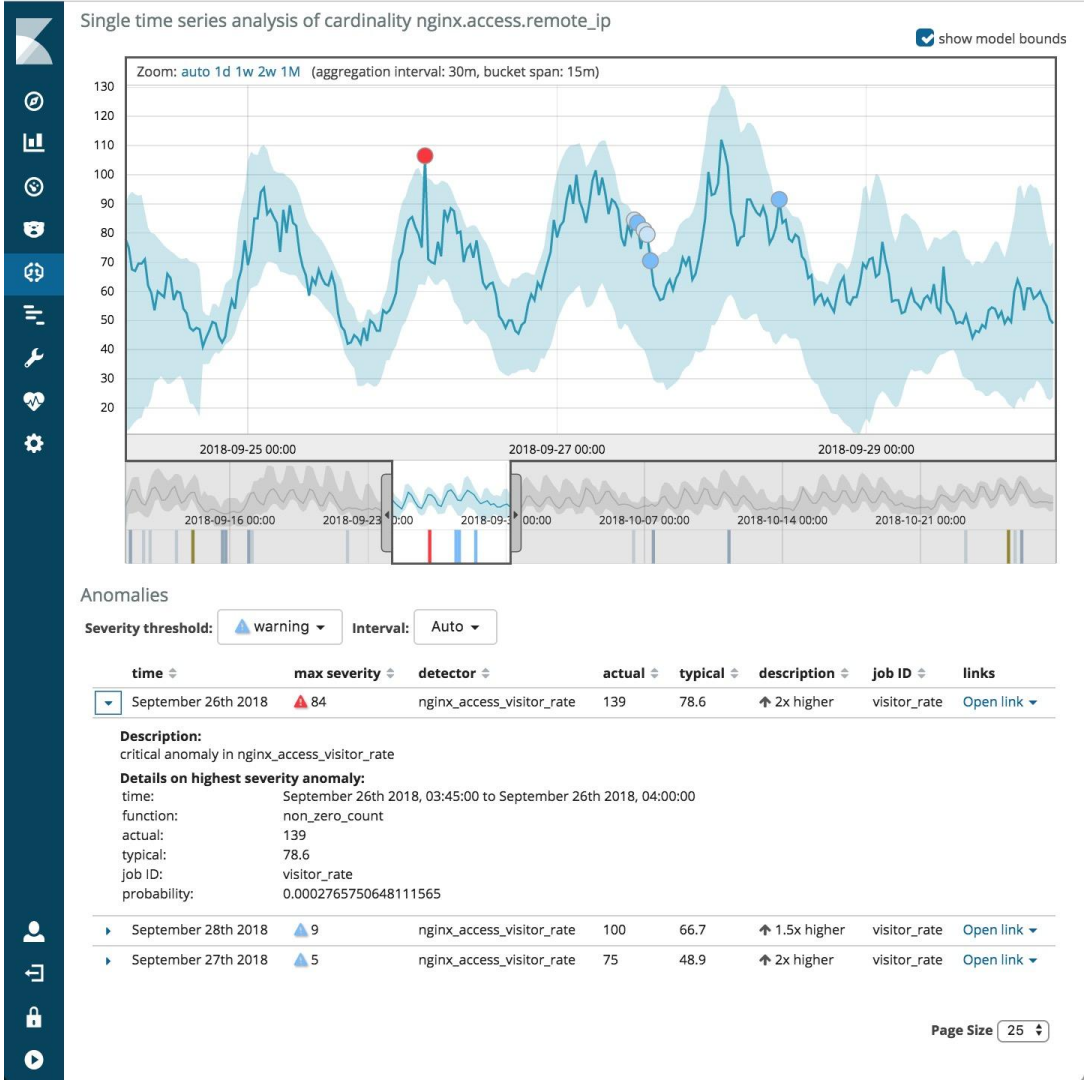
- Advanced security, including spaces
- **Canvas**
- Machine Learning
- Native, Secure SQL Engine
- Integrated alerting
- Elastic Maps

Elasticsearch Service

No one hosts the stack better

Only hosted Elasticsearch offering with powerful features like:

- Advanced security, including spaces
- Canvas
- **Machine Learning**
- Native, Secure SQL Engine
- Integrated alerting
- Elastic Maps

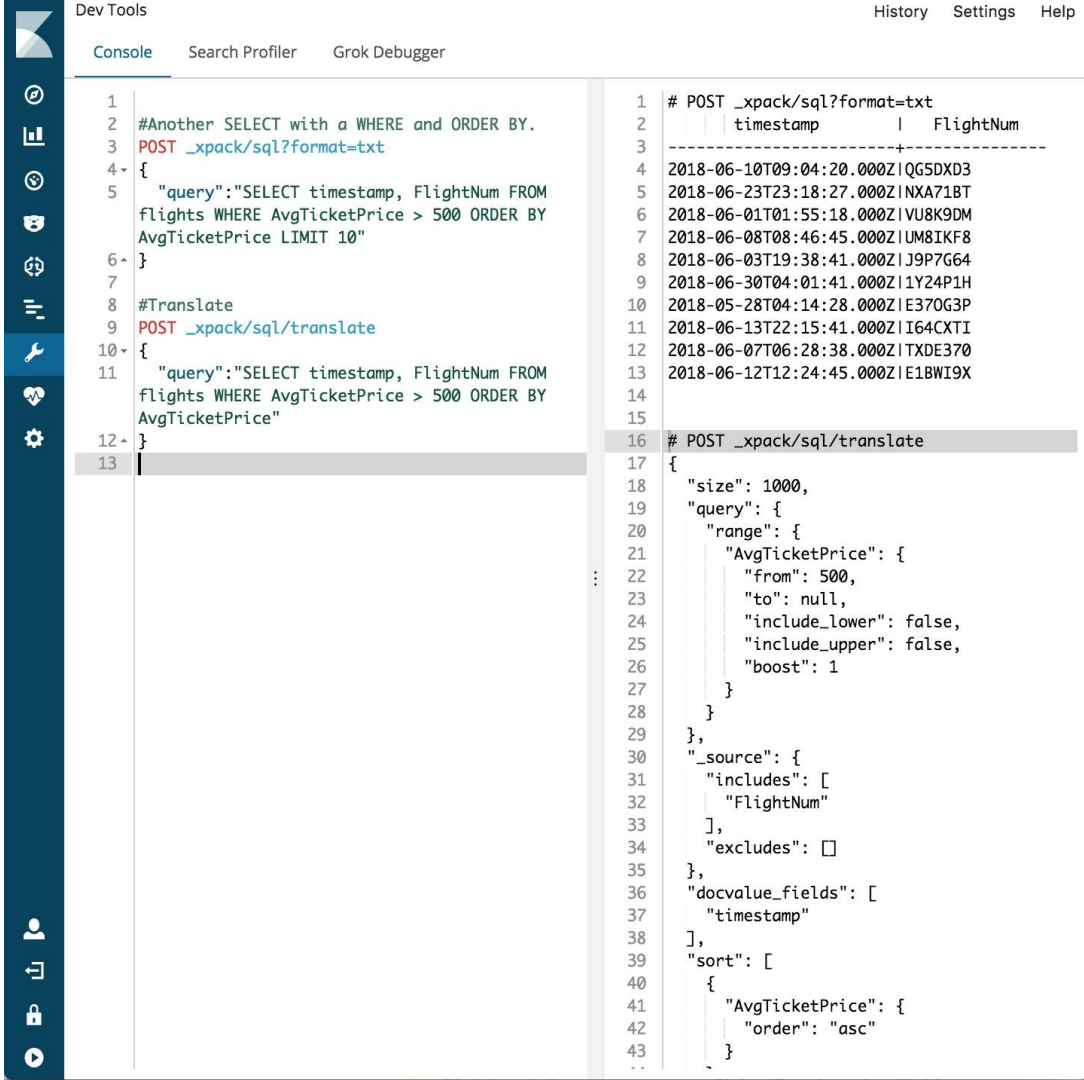


Elasticsearch Service

No one hosts the stack better

Only hosted Elasticsearch offering with powerful features like:

- Advanced security, including spaces
- Canvas
- Machine Learning
- **Native, Secure SQL Engine**
- Integrated alerting
- Elastic Maps

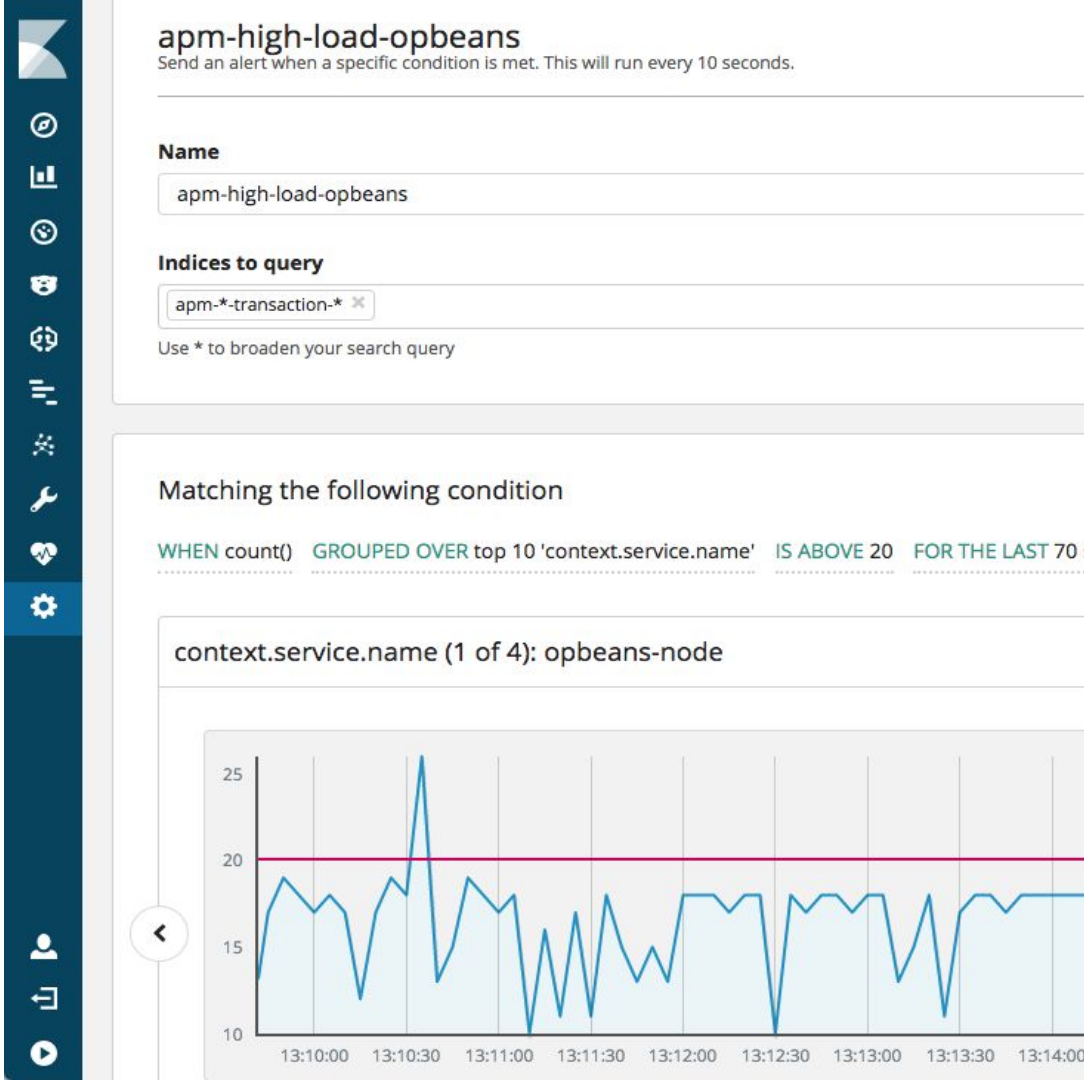


Elasticsearch Service

No one hosts the stack better

Only hosted Elasticsearch offering with powerful features like:

- Advanced security, including spaces
- Canvas
- Machine Learning
- Native, Secure SQL Engine
- **Integrated alerting**
- Elastic Maps

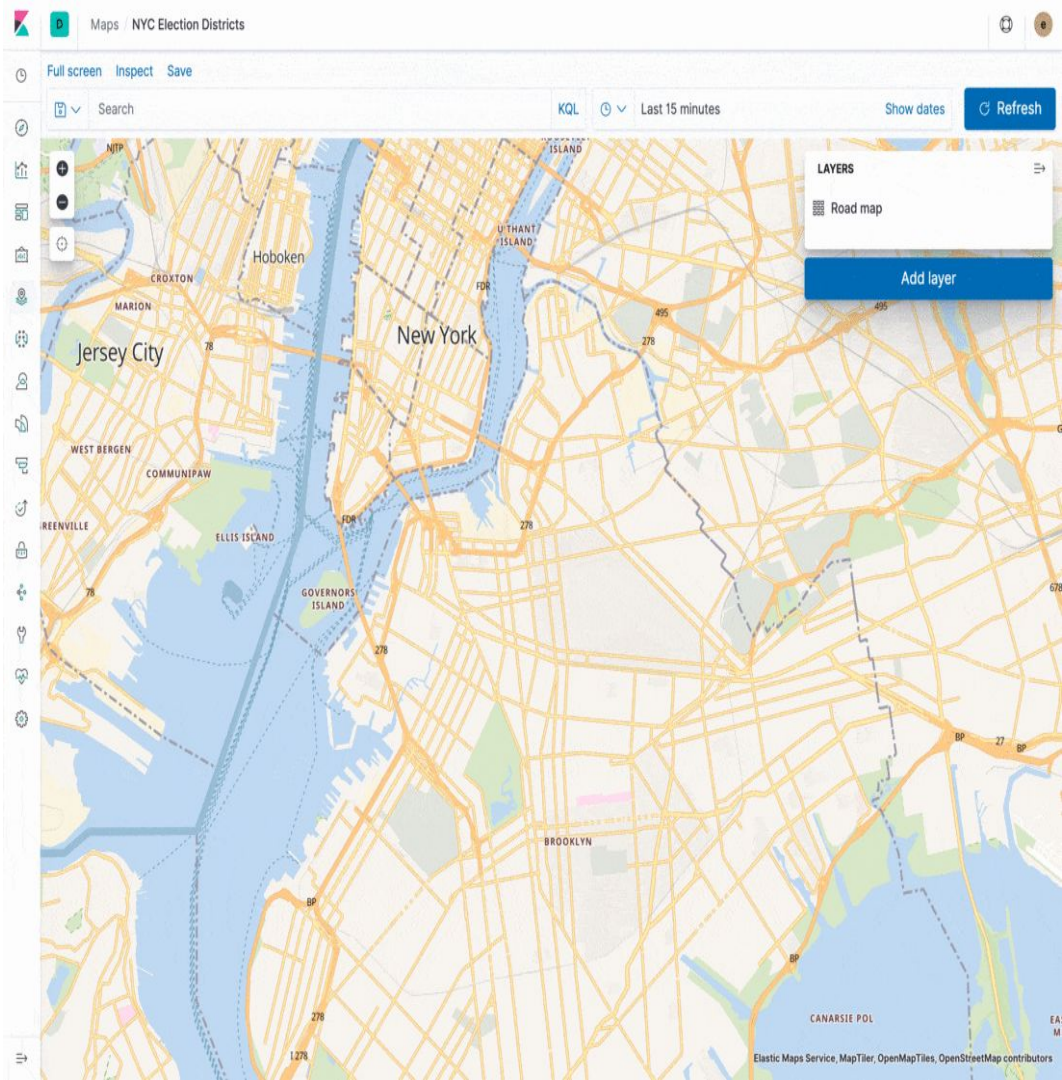


Elasticsearch Service

No one hosts the stack better

Only hosted Elasticsearch offering with powerful features like:

- Advanced security, including spaces
- Canvas
- Machine Learning
- Native, Secure SQL Engine
- Integrated alerting
- **Elastic Maps**



More Data, More Barriers to Real Time Insight

Modern Software Challenges

Delays

Cannot keep pace with changing competitive landscape, business requirements, little experimentation.

User Expectation

Not meeting expectations for functionality, availability or performance leads to poor adoption.

Breaches, Malicious Actors

Loss of customer or investor confidence, often loss of LOB funding for projects, possibly fines or penalties

Rigidity

Unable to make more bets, the business misses out on revenue opportunities or adjacent markets.

Technology Complexity

Significant contributor to unexpected up front costs or TCO, and discourages change or evolution.

High Risk Endeavors

Do-it-yourself hiring and building Elastic expertise for operations and tech support is risky, as is vendor lock in.

elastic