Elastic

Elastic Cloud Enterprise (ECE)

https://www.elastic.co/products/ece

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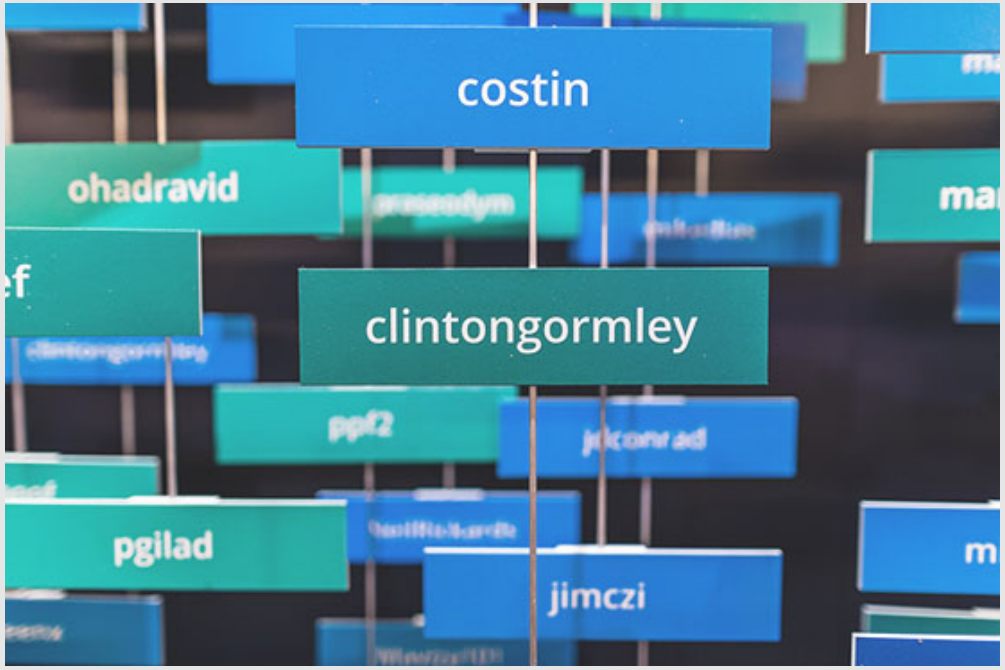

Elastic is a search company. As the creators of the Elastic Stack (Elasticsearch, Kibana, Beats, and Logstash), Elastic builds self-managed and SaaS offerings that make data usable in real time and at scale.

CENTRALLY ORCHESTRATE CLUSTERS

Centrally orchestrate a fleet of Elasticsearch clusters. Provision, manage, and monitor Elasticsearch and Kibana at any scale, on Azure infrastructure, while managing everything from a single console.

TO BUILD INTERNAL SERVICES

Offer it as a service. Use the ECE software to provide the following to internal and external customers. Logging as a service. Monitoring as a service. Search as a service. You decide. ECE powers various use cases and delivers it all from a centralized source.

INCREASE INNOVATION

Get developers and operations staff on higher value tasks, shift Elastic IT operational overhead to reduce undifferentiated activities, focusing more on innovation using the stack.

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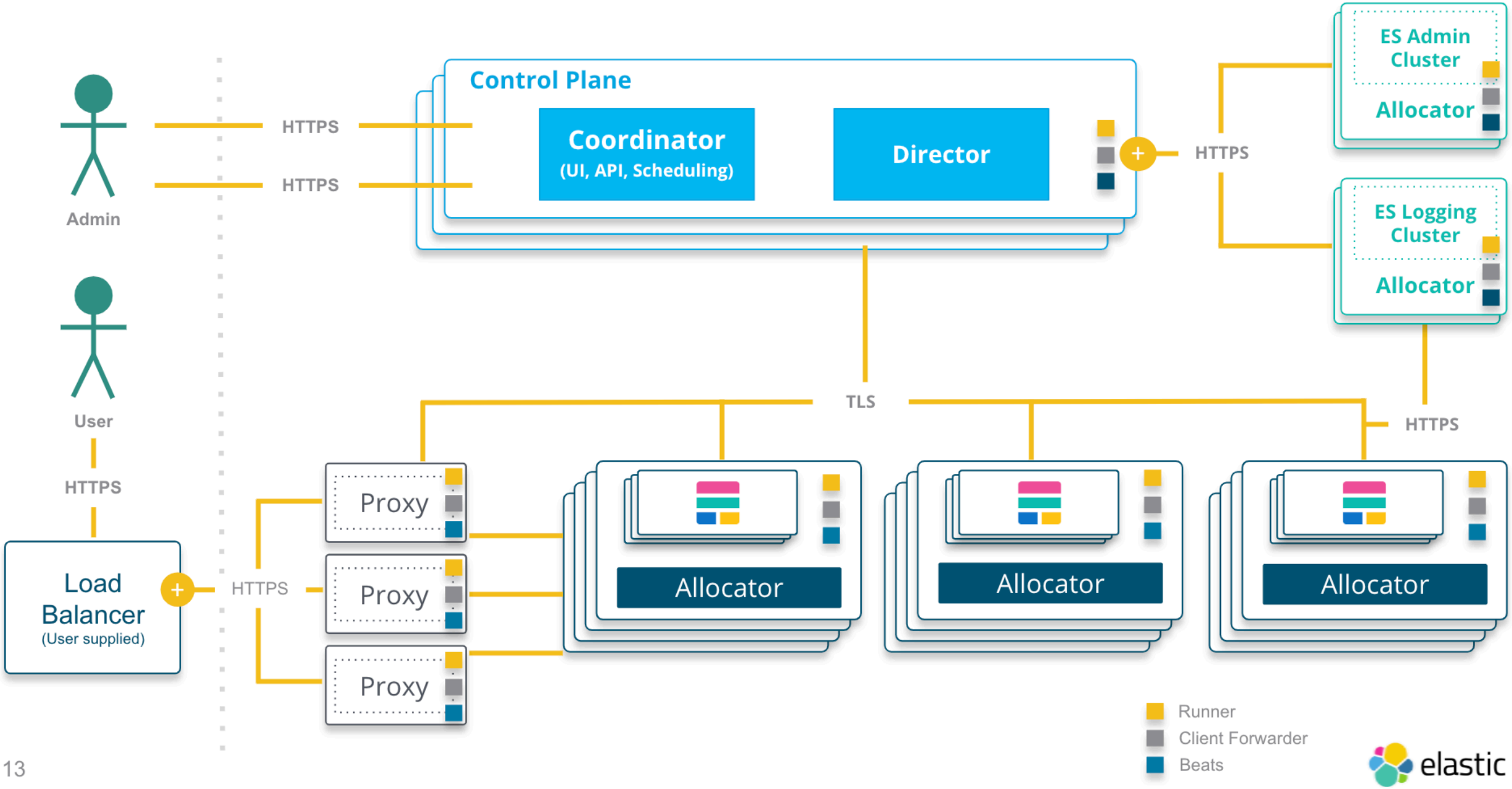
Microsoft

High Level Architecture



Hosted Search, Logging, Observability, Business and Security Analytics

Elasticsearch is a distributed, RESTful search and analytics engine capable of addressing a growing number of use cases. As the heart of the Elastic Stack, it centrally stores your data so you can discover the expected and uncover the unexpected. Elasticsearch lets you perform and combine many types of searches — structured, unstructured, geo, metric — any way you want.

FEATURES YOU WON'T FIND ANYWHERE ELSE

Experience features you won't find anywhere else like advanced security, including Kibana spaces, Kibana Canvas, Machine Learning, an elastic-native SQL Engine, monitoring & alerting, and more.

OPRIMAL ELASTIC MANAGEMENT

Deploy, (re)configure, scale with confidence, automatic snapshot & restore, automatic dedicated master nodes, 1 click upgrades, zero downtime rolling upgrades

AZURE DEPLOYMENT TEMPLATES

No mapping of Elastic to Azure infrastructure is required. Deploy Elasticsearch and Kibana with a few clicks, configure with sliders, and scale effortlessly – best practices are built in.

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Microsoft

Elasticsearch Cloud Enterprise + Microsoft Azure

Elasticsearch Cloud Enterprise on Microsoft Azure. It's the orchestration framework built by the creators of Elasticsearch. Run it on Microsoft Azure and never wait for the latest versions or features. Plus, get powerful Elastic free features and Elastic support at your disposal.

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AZURE RESOURCE INTENSIVE WORKLOAD

Elasticsearch uses an in-memory datastore that crunches tera and peta byte data volumes for breakfast. Data is stored in very high RAM/SSD to disk storage ratios AND driven over the network.

WIDELY ADOPTED OPEN SOURCE

Elasticsearch is key partner in Microsoft’s Java on Azure initiative due to customer demand. Elastic is already in your accounts, and our salesforce is ready and highly motivated to work with Microsoft.

LAND AND EXPAND

Land one use case at a customer and you’ve got a built-in expansion playbook with Elastic into our ever-expanding list of solutions.

Microsoft

Customer success: Running Elastic Cloud Enterprise in Azure for Security Analytics at Devon Energy

- Devon Energy is a leading independent oil and natural gas exploration and production company.
- Replacing their legacy SIEM solution with a homegrown analytics and automation platform with ECE.
- Migration from using on-prem open source Elasticsearch to being the first ever user to run Elastic Cloud Enterprise in Azure.
- Using Elasticsearch optimizations in their security telemetry pipeline using cloud native deployment models.
- http://bit.ly/azureECE

Scale

Approximately

- 100 billion documents
- 100 TB of Indexed data
- 1.5 – 2.0 TB DAILY
- 1300 indices
- 10000 shards
- Ingestion rate approximately 20-25k EPS

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