

From On-Prem to Elastic Cloud

Global Space Technology & Earth Intelligence Leader

Challenge

The organization relied on a **self-managed on-prem observability platform** that limited scalability and automation. Migrating to Elastic Cloud while maintaining monitoring and avoiding downtime was critical.

Objective

- Migrate observability from on-prem to Elastic Cloud on Kubernetes (ECK)
- Enable automated deployment and Elastic Stack management
- Improve ingestion reliability for logs and metrics
- Strengthen monitoring and scalability across environments

Solution

Hyperflex migrated the observability platform to **Elastic Cloud on Kubernetes**, implementing automated infrastructure and improving ingestion pipelines. We replaced **RabbitMQ** with **Kafka** for reliable message queuing, automated deployments with **Terraform**, and centralized logs, metrics, APM, and network data into Elasticsearch.

Results



\$75k savings in first six months



\$5M projected savings over three years



Improved search throughput & reduced indexing latency



Unified logs, metrics, APM, and network monitoring

Strategic Impact

- Enabled scalable, cloud-native observability architecture
- Improved monitoring, alerting, and operational visibility
- Strengthened system reliability with fault-tolerant deployment
- Created a foundation for large-scale data ingestion and analytics