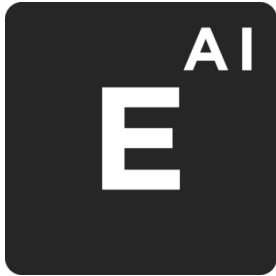


Case Study

CloudOps and ElementAI - Building a Cloud Native Foundation on Azure

CLOUD NATIVE CONSULTING AND ENABLEMENT



ABOUT ELEMENT AI:

Element AI is a global developer of AI software that turns cutting-edge research and industry expertise into software solutions that exponentially learn and improve. Its end-to-end offerings include advisory services, AI enablement tools, custom research-as-a-service (RaaS) and products, to help large organizations operationalize AI that creates real business impact.

ELEMENT AI SOUGHT TO:

- Increase the scalability, robustness, and overall performance of its platform-as-a-service (PaaS) architecture;
- Create a Foundation Platform that is built on top of agnostic cloud architectures, which includes Azure cloud and can be redeployed behind firewalls or in geographic regions that don't have access to cloud-based services; and
- Upskill their platform engineers in Kubernetes and related cloud native solutions to operate their application platform and Foundation Platform.

“CloudOps was a key partner collaborator in helping us define and accelerate our cloud native journey. Element AI differentiates itself in how it can deploy AI-powered solutions to its enterprise customers; either via on-premises, hybrid-cloud models, or PaaS. CloudOps helped facilitate these cloud-agnostic capabilities.”

**GABRIEL DUFORD, SENIOR VICE PRESIDENT OF
PLATFORM & TECHNOLOGY AND CO-FOUNDER AT ELEMENT AI**



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SOLUTION:

Element AI leveraged CloudOps' professional services to provide expertise in the following areas:

- Building Kubernetes services with industry best practices;
- PaaS architecture guidelines and principles to enable scalability, robustness, and overall performance;
- Continuous Integration (CI) and Continuous Delivery (CD) models;
- DevOps monitoring capabilities involving Elastic ELK, Prometheus, and similar technologies; and
- Enabling Infrastructure as Code deployments in multi-cloud environments.

Expertise was provided through an assessment of their preliminary application platform that included a set of mandates for building the application platform as well as training their platform engineers.

CloudOps helped Element AI build an auto-provisioning Foundation Platform on top of Azure Cloud. The PaaS offers a fast ramp to adopting container technologies on top of Azure Cloud.

A series of Docker and Kubernetes workshops focused on Azure were given to the Element AI technical team to help them operate the cloud native Foundation Platform once built. The workshops were hands-on and included labs.

Element AI was able to build and operate a cloud native Foundation Platform that would allow them to deliver their AI products to enterprises via cloud-based platforms.

CloudOps is a cloud consulting and services company focused on open source, cloud platforms, networking, and DevOps. **Contact us** to learn more about how we can help your organization overcome its unique challenges with our **DevOps workshops** or **DevOps Platform and Practices Assessment**.

With over fifteen years of experience working with open source, cloud platforms, networking, and DevOps, **CloudOps** is in a unique position to help businesses thrive in today's data-driven software economy. We help businesses successfully adopt and operate cloud platforms, taking advantage of self-service, utility economics and the API-automated, continuous delivery of IT. As a member of the Cloud Native Computing Foundation (CNCF) and the Linux Foundation Networking (LFN), CloudOps is actively involved in open source communities. CloudOps is also a Kubernetes Certified Service Provider (KCSP) and a Kubernetes Training Partner (KTP), providing consulting, training, and managed services for cloud native and DevOps practices and deployments.



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