

AWS Elastic Engineering

SECURE INFRASTRUCTURE & DEVOPS ENGINEERING SOLUTIONS

Description

Elastic Engineering is an all-in-one solution for companies seeking reliable and secure infrastructure and DevOps engineering services. With a focus on scalability, flexibility, and cost-effectiveness, our team of experienced engineers offers a range of services to meet the unique needs of your business.

How it works...

Our team works closely with your business to understand your infrastructure, and DevOps engineering needs, providing customized solutions that optimize your operations and reduce costs. We pride ourselves on our ability to adapt to your evolving needs, ensuring your infrastructure is always optimized for performance, efficiency, and security.

Features

1. Expert infrastructure and DevOps engineering services
2. Customized solutions tailored to your business needs
3. Scalable and flexible services
4. Cost-effective solutions to reduce expenses
5. Ongoing support and maintenance to ensure optimal performance and security



Cloud Engineering Practice

The Cloud is the catalyst to unlock staggering business value. Yet many organizations limit themselves from capturing that incredible potential due to inefficiencies, missteps and lack of understanding of the best ways to operate in the cloud. The cloud presents a new paradigm which demands a new set of business and technology insights, understandings and skills. Put simply, to get the greatest use out of the cloud, you need the people with hands-on ability to make cloud things happen, the right way.

Aligned's Cloud Engineering practice is a team of visionaries, technical experts and project managers that bring ideas and strategies into reality. Regardless of where you are within your cloud journey, our experience and programmatic approach will help you move around the barriers that are blocking your path to faster time-to-market, simplified innovation, on-demand scalability, and reduced risk.

Ultimately, we provide the engineering prowess to make the cloud happen. We are here to help your organization move beyond the on-premises mindset through a world of transformation, acceleration and innovation to capture untold business value.

<https://alignedtg.com/aws-elastic-engineering/>

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Application Support

- Configuration, support, and tuning of common, commercially available off-the-shelf applications.

Containerization and Microservices:

- Support for containerization using platforms like Amazon Elastic Kubernetes Service (EKS) and Amazon Elastic Container Service (ECS).
- Assistance in transitioning to microservices architecture and managing the lifecycle of containerized applications.

Continuous Integration and Continuous Deployment (CI/CD):

- Implementation and management of CI/CD pipelines using AWS CodePipeline, AWS CodeBuild, AWS CodeDeploy, and other third-party tools.
- Ensuring smooth deployments, updates, and rollbacks in the client's environment.

Cost Optimization

- Implementation, design, and support with architectural or commercial changes to improve cloud financial management, cost optimization, and tools rationalization efforts.

Database Management

- Standard or basic database performance management, maintenance, and scaling.

DevOps, Infrastructure as Code, and Automation

- Management of infrastructure through Infrastructure as Code (IaC) methodologies.
- Automation of repetitive tasks to improve operational efficiency platform consistency, improved security, and mitigation of human error.

Disaster Recovery

- Extension of existing solutions.
- Periodic data survivability or disaster recovery testing supporting cloud platform and systems.

Hybrid Cloud and Multi-Cloud Management:

- Design and management of hybrid cloud solutions, integrating on-premises infrastructure with AWS resources.
- Support for multi-cloud environments, managing resources across AWS..

Infrastructure

- Architecture and design of new or additional infrastructure or applications.
- Deployment of infrastructure into the customer's environment. Engineering support for cost, performance, and scaling optimization.

Major Event Planning

- Escalation support, enhanced monitoring, dedicated visibility, additional responsiveness, and support of major events (product launch, sporting events, major retail events).
- Collaboration including reliability testing, response planning, and ongoing business hour engineering support.

Observability Management

- Review and improvement of observability solutions.
- Implementation of native and third-party tooling to improve visibility for the customer.

Performance Management

- Review and improvement of cloud platform performance.
- Implementation of performance targets to ensure infrastructure performance.

Planned Maintenance

- Support for planned and preventative maintenance required for the stable and secure operation of the infrastructure.
- Performance of maintenance and customer-directed changes, including regular security patching.

Security Management

- Implementation, optimization, advisory, and support of security environments.
- Implementation of cloud-native and third-party tooling to mitigate risk and improve security posture.
- Regular security patching and vulnerability scanning.
- Compliance with industry standards and regulations.

Serverless Architectures

- Design and implementation of serverless solutions using AWS Lambda, Amazon API Gateway, and other serverless technologies.
- Optimization and management of serverless applications to reduce costs and improve performance.

Training and Enablement

- Providing training and workshops for the client's team on AWS best practices, security, cost optimization, and other topics.
- Assisting in the development of internal processes and documentation for infrastructure.

