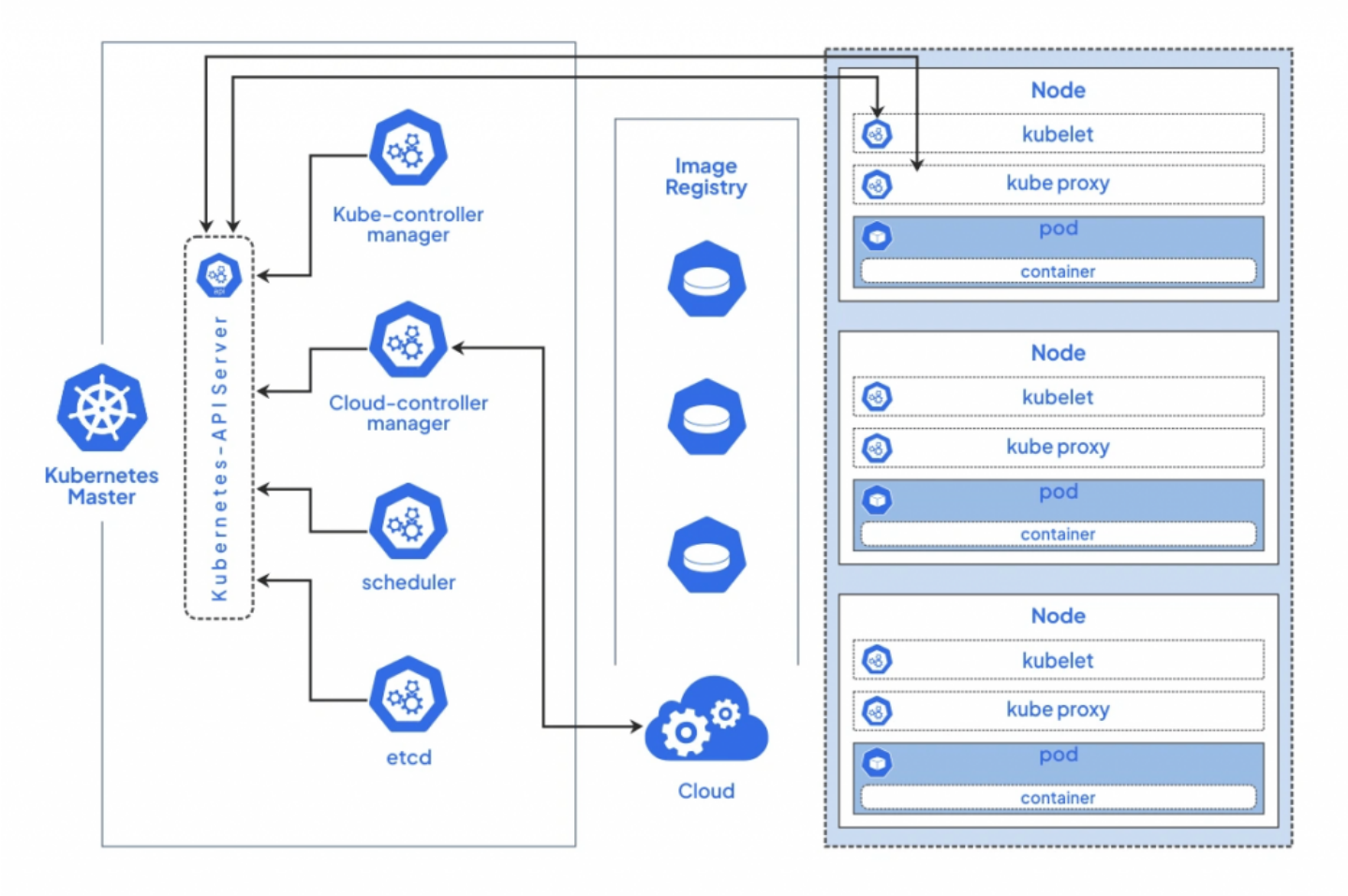
Teleglobal Showcases Cloud Excellence with EKS Deployment for Lexicon Group of Institutes

Teleglobal Enhances Lexicon's Cloud Infrastructure with AWS EKS



Pune, Maharashtra Apr 24, 2025 (Issuewire.com**)** - Teleglobal, a trusted provider of cloud consulting and DevOps services, has successfully executed a secure, high-availability Kubernetes environment on Amazon Elastic Kubernetes Service (EKS) for the Lexicon Group of Institutes. This successful deployment reinforces Teleglobal's position as a trusted cloud transformation partner with technical expertise in modernizing enterprise infrastructure through AWS-native, cloud-first solutions.

With Lexicon planning for the future by embracing microservices-based architecture, the institute needed a robust container orchestration platform that could support scalability, security, and operational efficiency. Teleglobal's AWS-certified DevOps team architected and deployed a production-ready Kubernetes environment using EKS, EC2, RDS, VPC, Route 53, and Application Load Balancers, tailored to meet the specific security and performance requirements of the education sector.

"We're proud to help Lexicon build a future-ready platform" said **Teleglobal**. *"Our goal was to enable Lexicon to innovate faster while maintaining complete control over their cloud infrastructure."*

Why TeleGlobal's Amazon Web Services?

Lexicon Group of Institutes chose Amazon Web Services for its broad suite of secure, reliable, and scalable cloud services. With a focus on minimizing latency, optimizing cost, and meeting stringent data security standards, AWS offered the perfect foundation for deploying containerized applications.

Teleglobal, leveraging its deep AWS expertise, strategically designed and implemented a solution that aligned these capabilities with Lexicon's evolving infrastructure needs. The services leveraged included:

- **Networking:** VPC, Security Groups, NACL, and Subnets for secure connectivity
- **Databases:** Amazon RDS for secure, high-performance relational database management
- **Compute:** Amazon EC2 for scalable and flexible computing capacity
- **High Availability:** Storage autoscaling, latency optimization, read/write nodes for RDS
- **Containerization:** Amazon EKS and ECS for orchestrating microservices
- **Encryption:** AWS KMS for managing data encryption keys securely

Teleglobal’s approach included the design and deployment of a highly scalable and secure Kubernetes environment for Lexicon, leveraging Amazon Elastic Kubernetes Service (EKS). The solution featured a control plane using an EKS cluster with two worker nodes in an auto-scaling group, utilizing Amazon Linux AMIs. This setup ensures optimal performance, high availability, and seamless scaling of applications, while CI/CD integration enabled streamlined application delivery. The use of managed node groups, private Elastic Container Registry (ECR), and KMS-based encryption ensured high availability, security, and governance at every layer of the deployment.

The engagement not only reduced operational complexity for Lexicon but also enhanced system reliability and scalability, all while optimizing cost. By adopting the latest cloud technologies and best practices, Teleglobal helped Lexicon take a big step forward in their digital journey with a future-ready, scalable infrastructure to match their ambitions. This successful project further cements Teleglobal’s position as a go-to cloud partner for education institutions and enterprises looking to unlock the full potential of AWS, ensuring they remain agile, secure, and future-ready.

To learn more about how Cloud Solutions can digitally transform your organization, visit Teleglobal’s website

Summary: Teleglobal deploys secure, scalable Kubernetes on AWS EKS for Lexicon Group, powering their future-ready, microservices-driven infrastructure.

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