



CASE STUDY

MICROSOFT AZURE KUBERNETES CLUSTER DEPLOYMENT AUTOMATION FOR ONE OF THE BIG 4 AUDIT FIRMS

Saved 80% efforts through automation of the process.

Client Background

Our customer is one of the big audit firms providing a wide scope of professional services to their clients. The customer had a CRM application running on Kubernetes on-premise. Their processes were manual, time-consuming, leading to inconsistencies. Automation of their existing environment was a need for the client. The objectives of the client included:

- Migrate from on-premises Kubernetes to cloud-based Azure Kubernetes cluster services.
- Automate the deployment of Azure infrastructure along with AKS cluster.

Xoriant Solution | Key Contributions

The client partnered with Xoriant considering our longstanding technology partnership with Microsoft, strong domain knowledge, and expertise.

Our key contributions include:

- Automating the Azure infrastructure deployment using Terraform and Jenkins tools.
- Developing Terraform modules for deployment and configuration - App gateway, AKS cluster, Key Vault, PostgreSQL, API management., Event Hub, Cosmos DB, and Azure Monitor.
- Using the developed Terraform modules for development, testing and production environments.



KEY BENEFITS

- Achieved consistency in infrastructure deployments.
- Saved 80% effort through process automation.
- Minimized human errors due to deployment automation.
- Achieved easier management of the environment with flexibility in deployment and changes to the services.

Client Testimonial



From the start we were confident on Xoriant expertise and best processes. Being an Azure Gold Partner, Xoriant ensured effective migration of our environment, automating processes that reduced 80% of our manual efforts.



Technology Stack

**Kubernetes | Azure Network (VNET) | Azure Storage | Azure VMs | AKS | MS Azure DevOps
Terraform | Jenkins | PostgreSQL | Cosmos DB | Azure Event Hub | Azure Key Vault**



Xoriant is a product engineering, software development and technology services company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 4000 software professionals. Xoriant has deep client relationships spanning over 30 years with various clients ranging from startups to Fortune 100 companies.