

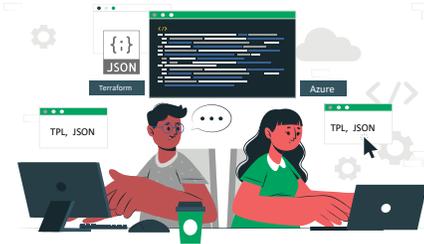


Infrastructure As Code (IaC) for Azure

Reduce Total Cost, Quicker adoption, and ROI realization on Azure



Xoriant as Azure Cloud Gold Partner does bring to table expertise, experience, industry best practices, and ready to use Infrastructure as a code (IaC) for Azure cloud. IaC is the management of infrastructure (networks, virtual machines, load balancers, storage, Kubernetes clusters and connection topology) using the principle that the same source code generates the same binary, an IaC model generates the same environment every time it is applied. The primary benefits of IaC on Azure are idempotency, high visibility, automated deployment, immutability, and orchestration. In addition, it provides stability, version control, reusability and scalability.



It eliminates human errors and misconfigurations, or mis-provisioning of infrastructure, making it a repeatable and consistent. It saves costs of operations due to automation thus taking a smaller number of resources required to carry out the same activities. The IaC provides a comprehensive ability to declare the storage, network, and compute assets but also additional services, including load balancers, monitoring, and security controls.

Key Features

- Pre-packaged ready to use IaC solution
- Industry best practices to build and manage any infrastructure
- Replace manual processes with machine-readable definition
- High visibility, automated deployment and orchestration
- Version control consistency, as well as reusability and scalability

Manage Azure Infrastructure with ease, ensuring stability, uniformity and auditability.

Blur boundaries between coders and deployers by providing the packaged code for automating infrastructure	Integrating, planning, and managing cloud with Jenkins, or Bamboo, or Azure DevOps pipeline directly in the service management (instead of in shadow IT)	The change will not stop and the drive for ever more efficient and advanced cloud infrastructure will continue to make it possible for teams to deliver increasingly advanced products at a faster pace.	Provide knowledge about configuring values for parameters and scope thus team can focus on delivering customer value and service can help building the cloud platform.	Taking advantage of the cloud and the effective implementation and integration of cloud technologies is a key part of the transformation.

Key Deliverables:

- 1 Discovery and assessment for requirements and challenges
- 2 Provide and implement packaged IaC solution
- 3 Execute IaC for pilot, report the results.
- 4 Perform training for Azure Cloud DevOps/Platform teams to use the solution.
- 5 Customizations with additional charge
- 6 Deployment pipelines and orchestration for application PODS in AKS at additional charge

Components/Services

- Includes Azure Network (VNET), Azure Storage, Azure VMs, and AKS
- Integrate with Jenkins, or Bamboo, or Azure DevOps pipeline in use

Key Benefits

- Uniform, consistent, stable infrastructure with auditability including: Network, Storage, Azure VMs, AKS
- Rapid deployment of infrastructure using DevOps brings down time from months/weeks to weeks/days
- Re-usable and repeatable code that deploys multiple different environments
- Customizable to include additional services/components in Azure beyond infrastructure



SUCCESS STORIES



Azure Kubernetes Cluster Deployment Automation for one of the big audit firms

Automation of the Azure infrastructure deployment using Terraform and Jenkins tools resulted in 80% efforts savings

Developed Terraform modules that deploys & configures - App gateway, AKS cluster, Key vault, PostgreSQL, API mgmt., EventHub, cosmos DB and Azure monitor resulted in consistency in infrastructure deployments



Infrastructure as Code and CIS Benchmark Hardening Automation

Built parameterized terraform templates to deploy Azure and AKS Infrastructure and monitoring for the Azure ecosystem with parameters to ensure reusability

Deployments were written for customer in Jenkins and Azure DevOps for reusability resulting in quicker adoption of Azure Cloud and quicker onboarding for new business applications

