# SECURITY ORCHESTRATION FOR MICROSOFT AZURE POLICIES FOR ONE OF THE BIG 4 AUDIT FIRMS

Ensured policy governance and compliance at greater speed.

## Client Background

Our client is one of the Big 4 audit firms providing a wide scope of professional services to their clients. The client's existing environment had minimal security assessment, was non-compliant with Microsoft security policies. The client experienced a need of hardening their Microsoft Azure cloud infrastructure and apply certain Azure policies for enforcing the infrastructure security. They wanted an automated way to deploy those to any Azure environment. The objectives of the client included:

- Review and assess the security of their Azure environment.
- Develop re-usable set of MS Azure policies.
- Achieve automation of their entire process.

## Xoriant Solution | Key Contributions

Being a trusted security advisor, Xoriant was the chosen technology partner performing extensive end-to-end security orchestration for the client. They wanted to leverage Xoriant's capability in developing automated security solutions and best practices to tackle the latest and evolving security threats besides making them efficient.
Our key contributions included:

- Ensuring a thorough review and assessment of the client's Azure architecture and implementation against Microsoft recommended security best practices, policies and implementation, access controls.
- Developing a re-usable set of Microsoft Azure policies using Terraform and integrating it with Jenkins for the automated deployment into multiple Azure environment.

## KEY BENEFITS

- Provided ease of usability of deployment of automation since a generic Terraform code could be consumed in any Azure environment for the customer just by providing the parameters from the calling Terraform module.

- Achieved automation of Azure Policy deployment with CI/CD tools (Azure DevOps and Jenkins)

- Ensured flexibility of deployment of automation as it can be applied to whole subscription or resource group or even individual resources.

- Increased speed of policy governance and compliance.

- Deploying policies using Azure DevOps with the flexibility to choose resources where certain policies can be included or excluded.

## Client Testimonial

*"Xoriant strengthened our security operations with a cloud-first mindset. Our team collaborated with the Xoriant security team to establish robust security standards, enhanced policies to address specific infrastructure security, and increased speed of policy governance and compliance.*

## Technology Stack

**Azure Network (VNET) | Azure Storage | Azure VMs | AKS | MS Azure DevOps | Terraform Jenkins**