Azure Security Policy Automation

CASE STUDY

PARTNER:

Xoriant Corporation

WEB SITE: www.xoriant.com

LOCATION: Sunnyvale, California

ORG SIZE: 3500+ employees

PARTNER PROFILE:

Xoriant is a Silicon Valley headquartered company focused on product engineering, software development and technology consulting services. Xoriant as Azure Cloud Gold Partner brings expertise, experience, industry best practices, and Pre-packaged ready to use SaC solution for Azure cloud.

 Microsoft | Go-To-Market Services

Security Orchestration for Azure policies

SITUATION

- Client, one of the big four audit firms wanted to harden the Azure cloud infrastructure and wanted to apply certain Azure policies for enforcing the infrastructure security and needed an automated way to deploy those to any azure environment

SOLUTION

- Xoriant did a thorough review and assessed customers' Azure architecture and implementation against Microsoft recommended security best practices, policies and implementation, access controls

- Developed the re-usable set of Azure policies using Terraform and integrated it with Jenkins for the automated deployment into multiple azure environment

- Also given the option to deploy the policies using the Azure DevOps, it also has a feature where if we want to exclude some of the resources from applied policies, we can do that, the scope of the policy has been kept flexible

BENEFITS

- **Ease of use**: A generic Terraform code which can be consumed in any Azure environment for the customer, we just need to provide the parameters from the calling terraform module

- Azure Policy deployment using automated way with CI/CD tools (**Azure DevOps** as well as Jenkins)

- **Flexibility:** We can apply it to whole subscription or resource group or even individual resources

- Policy governance and compliance at greater speed.

CASE STUDY

PARTNER:
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DYNAMICS PARTNER PROFILE:

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Azure Security Policy, and CIS Benchmark Hardening Automation

SITUATION

- Ensure consistency and uniformity of Security Policies in Azure

- Ensure security standards for compliance are met across Azure ecosystem

SOLUTION

- Built parameterized reusable terraform templates to deploy Azure security policy via Azure DevOps and replicate via Jenkins for On-Prem.

- Deployments were written for customer in Jenkins and Azure DevOps for reusability

- Built power-shell scripts (Windows) and ansible play-books (Linux) to orchestrate the hardening of systems on Azure VMs deployed through Azure DevOps

BENEFITS

- Quicker adoption of Azure Cloud

- Secure Hub and Spoke (Transport) Networking

- Ensured Compliance and Security

- Automation to ensure uniformity and consistency

- Quicker onboarding for new business applications

- Efficient releases (Go-to-Market) process