



Azure DevOps Framework Infrastructure as Code

Automate provisioning, governance and the lifecycle of your Azure estate with Terraform, Bicep and ARM



Netwise named Finalist
Partner Of The Year 2023
in two categories!

Azure DevOps Framework Infrastructure as Code

Service overview

What it is

Design and implementation of an Azure DevOps and Infrastructure-as-Code framework that automates the provisioning, governance and lifecycle of your Azure environment using Terraform, Bicep and ARM templates with CI/CD pipelines – delivering repeatable, auditable and policy-compliant deployments.

At a glance

- **IaC:** Terraform / Bicep / ARM
- **CI/CD:** Azure DevOps / GitHub Actions
- **Patterns:** Modules & policy-as-code
- **Delivery:** Reusable repository

Why Netwise



Repeatable deployments

Versioned, auditable, redeployable infrastructure.



Faster, safer releases

Automated pipelines with quality gates.



Security as code

Policy-as-Code and compliance enforced in CI/CD.



Lower operational toil

Less manual work, fewer configuration drifts.

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Scope of work



IaC strategy & tooling

Terraform / Bicep / ARM selection and standards.



Module & template library

Reusable, parameterized building blocks.



Landing Zone & workloads as code

Platform and applications defined in IaC.



CI/CD pipelines

Azure DevOps Pipelines / GitHub Actions.



Policy-as-Code

Azure Policy & compliance gates in the pipeline.



Secrets & state management

Key Vault and secured remote state.



Automated testing

what-if / plan, linting and validation.



Environments & promotion

Dev / test / prod promotion strategy.

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Deliverables & Microsoft Alignment

Key deliverables

- ✓ IaC framework & repository
- ✓ Reusable module / template library
- ✓ CI/CD pipeline templates
- ✓ Policy-as-Code baseline
- ✓ Documentation & developer guide
- ✓ Knowledge transfer & enablement

Microsoft technologies

Azure Resource Manager (ARM)

Terraform on Azure

Azure DevOps

GitHub Actions

Azure Policy

Azure Key Vault

Bicep

CAF

At a glance

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IaC tools

CI/CD

native

Policy

as-code



Implements the CAF platform-automation & DevOps design area



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