

# Agentic DevOps on Azure

## Accelerate Software Delivery with AI-Powered, Secure DevOps on Azure

Transform your DevOps from fragmented processes into a **self-driving, intelligent delivery platform**. SNP's *Agentic DevOps on Azure* enables enterprises to build, deploy, and scale applications faster—while embedding **security, governance, and automation by design**.

Built on **Microsoft Azure and GitHub**, this offering combines cloud-native services, Infrastructure as Code (IaC), DevSecOps practices, and AI-assisted workflows to deliver a **modern, platform-driven DevOps operating model**.

### What you will achieve:

#### Faster Time to Market

- Standardized CI/CD pipelines and reusable assets to accelerate releases across teams.

#### Built-in Security & Compliance (DevSecOps)

- Shift-left security with continuous scanning, policy enforcement, and governance.

#### Platform- Driven Consistency at Scale

- Infrastructure as Code (IaC), automated provisioning, and environment standardization.

#### Measurable Cloud Excellence

- Improvements aligned to Azure Well-Architected Framework: Reliability, Security, Cost Optimization, Performance, and Operational Excellence

### What's Included in our 16 Week Engagement:

#### Cloud-Ready Foundation (CAF-Aligned)

- Azure Landing Zone–aligned platform (identity, governance, networking, management)
- Identity, governance, connectivity, and management baseline.
- Automated platform provisioning

#### Standardized DevSecOps Delivery

- GitHub + Azure CI/CD templates
- Reusable IaC modules (Bicep/Terraform)
- Security guardrails and policy enforcement
- Release governance and environment strategy

#### Measurable Business Outcomes (WAF)

- Improvements across reliability, security, cost optimization, operation excellence and overall performance efficiency.

# Our 16-Week Transformation

SNP follows a structured three-phase approach to enable customers to successfully adopt an agentic DevOps model.

## Phase 1: Establish the Core Pillars:

### DevOps Foundation Setup (Platform + Governance):

**Goal:** Establish secure, governed collaboration and standardized delivery practices

**Key Capabilities:**

- GitHub organization and repository strategy with standardized templates
- Branching models (GitFlow or trunk-based) with pull request policies
- Access controls aligned with Microsoft Entra ID (SSO/RBAC)

**Deliverables:** Onboarding playbooks, governance policies, and repository templates

### CI/CD Standardization

**Goal:** Enable repeatable, controlled build, test, and release processes

**Tools:** GitHub Actions with Azure deployment targets (App Service, AKS, Functions)

**Deliverables:** Reusable workflow templates, artifact strategy, and deployment blueprints

### Infrastructure as Code (IaC)

**Goal:** Automate provisioning and enforce consistency at scale

**Tools:** Bicep/ARM and/or Terraform

**Deliverables:** Modular IaC templates and environment provisioning pipelines

### DevSecOps Integration

**Goal:** Shift security left with continuous assurance

**Capabilities:** Code, secret, dependency, and container scanning aligned with Defender for Cloud

**Deliverables:** Security baselines, compliance dashboards, and remediation plans

### Observability & Monitoring

**Goal:** Deliver end-to-end visibility aligned with Operational Excellence and Reliability (WAF)

**Azure Services:** Azure Monitor, Application Insights, Log Analytics

**Deliverables:** Standardized dashboards, alerting strategy, and incident response playbooks

### Release & Environment Management

**Goal:** Enable controlled, low-risk releases with modern deployment strategies

**Features:** Approvals, blue-green and canary deployments, rollback strategies, feature flags

**Deliverables:** Release governance model, application testing frameworks, and service validation to ensure workloads perform as expected

## Phase 2: Accelerator Assets (Pre-built)

### Reusable assets designed to accelerate adoption and drive consistency at scale:

- A standardized GitHub Actions workflow library for rapid CI/CD enablement
- Modular IaC libraries spanning networking, compute, and data foundations
- Proven reference architectures for AKS, serverless, and web applications
- Predefined security policy templates and DevOps runbooks to enforce governance and operational excellence

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## Phase 3: Implementation

### Week 1-2: Discover & Assess

- DevOps maturity and toolchain evaluation
- Azure environment and governance review

### Week 3-5: Build the Foundation

- GitHub structure, access control, and governance
- CI/CD and IaC baseline setup

### Week 6- 10: Pilot Implement

- Pilot with 1–2 applications
- Deploy CI/CD, IaC, DevSecOps, and observability

### Week 11-16: Scale and Industrialize

- Scale across teams with reusable assets
- Enable self-service onboarding with advanced deployment strategies

### Optimize & Transition (Optional, post engagement)

- Continuous improvement through closed-loop feedback, proactive cost optimization, and ongoing performance tuning to maximize efficiency and value.

## Phase 4: Knowledge Transfer and 2-Day Managed Support

- Comprehensive discovery and assessment documentation
- Detailed architecture/design and as-built documentation
- Structured knowledge transfer sessions with a complete handover checklist
- Optional transition to SNP Managed Operations Services for ongoing support

## Engagement Deliverables:

- Azure Landing Zone baseline and architecture recommendations.
- Reusable IaC module library + provisioning pipelines.
- Standard CI/CD workflows (GitHub Actions).
- Security gap assessment + compliance guardrails.
- Observability framework (Azure Monitor, App Insights, Log Analytics).
- Dashboards, alerts, and operational runbooks

👉 **Get Started** : Transform your DevOps into an **intelligent, automated, and enterprise-ready platform**—in just 16 weeks.

Contact SNP Technologies today to begin your Agentic DevOps journey on Azure. Reachout to us:

- Prakash Parikh, CEO— [prakash@snp.com](mailto:prakash@snp.com)
- Sachin Parikh, VP of Business Development- [Sachin@snp.com](mailto:Sachin@snp.com)

For more information, please visit our website @ [www.snp.com](http://www.snp.com)

## Key Deliverables:

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## Our Approach (Proven 16-Week Framework)

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[SNP Technologies Inc.](#) is a trusted Microsoft Solutions Partner, empowering businesses to thrive in a cloud-first world. We specialize in Azure cloud infrastructure, security, and data and AI, delivering transformation through a customer-first approach and deep Microsoft expertise.

Supported by globally recognized [ISO certifications in IT Service Management, Information Security, and Business Continuity Management](#), SNP ensures that innovation is never achieved at the expense of security or stability.

Our capabilities are further enhanced by [multiple Microsoft Specializations](#). Combined with our passion for solving complex challenges, these specializations enable SNP to deliver tailored, scalable solutions that drive agility, strengthen security, and accelerate business outcomes.

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## Partner Awards and Recognition

 <p><b>Microsoft Partner</b> <b>Finalist</b> 2025 Partner of the Year Security Award</p>	 <p><b>Microsoft Americas</b> <b>Finalist</b> 2024 Partner of the Year Infra &amp; App Innovation Award</p>
 <p><b>Microsoft Partner</b> <b>Finalist</b> 2023 Partner of the Year Security Award</p>	 <p><b>Microsoft Partner</b> <b>Winner</b> 2021 Partner of the Year Business Excellence in Solution Assessments</p>