

Azure Local: Update Management & Security Implementation

4 Week Implementation

SNP Technologies helps organizations unlock the full value of **Azure Local** by delivering a secure, scalable, and efficient hybrid cloud foundation. Featuring **Azure Stack HCI**, Azure Local brings the power of Azure services directly to on-premises, edge, and remote environments.

Azure Stack HCI unifies compute, storage, and networking on a trusted platform built on **Hyper-V**, **Storage Spaces Direct**, and **Azure Arc**. With SNP's proven expertise, businesses can modernize IT infrastructure, ensure security and compliance, and optimize costs—all while experiencing consistent Azure capabilities anywhere.

SNP's 5 Step Deployment Approach

Step 1: Azure Local Pre-Deployment Planning

- Conduct readiness assessment of workloads, network topology, and infrastructure.
- Validate hardware requirements (CPU, memory, storage) for Azure Local.
- Assess network readiness, including bandwidth, redundancy, and adapter support.
- Confirm Azure subscription, Windows Server Datacenter licensing, and Software Assurance.

Step 2: Active Directory & Azure OS Deployment

- Configure Active Directory with a dedicated Organizational Unit (OU).
- Install Azure Local OS on physical servers.
- Configure network adapters for storage, management, and VM traffic.
- Enable Hyper-V and join nodes to the Active Directory domain.

Step 3: Azure Integration, Cluster Creation and VM Deployment on Azure Local

- Register servers in Azure via **Azure Arc**.
- Build and validate the Azure Local cluster.
- Configure deployment and management settings.
- Deploy and test virtual machines to confirm cluster functionality.

Step 4: Update Management & Security

- Use **Azure Update Manager** to monitor and deploy updates at scale.
- Apply OS, hardware, and security updates.
- Enforce **Azure Security Baselines** and enable encryption at rest.
- Implement application control, auditing, and security monitoring.
- Disable legacy protocols and ciphers for enhanced security posture.

Step 5: Documentation, Knowledge Transfer & Day-2 Support

- Deliver comprehensive planning, design, and implementation documentation.
- Provide knowledge transfer sessions for customer teams. Offer
- **SNP Managed Operations Services** for ongoing Day-2 support.

With SNP Technologies, customers gain a secure, optimized, and future-ready Azure Local environment—delivering **high availability, centralized management, and reduced total cost of ownership**. [Contact us today!](#)

About SNP Technologies Inc.

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, data and AI, and modern workplace solutions**, 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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AWARDS & RECOGNITION:



2024 FINALIST MSFT AMERICAS PARTNER OF THE YEAR
 Infra & App Innovation



2019 MSUS PARTNER OF THE YEAR WINNER
 Intelligent Cloud & OSS on Azure



2023 PARTNER OF THE YEAR FINALIST
 Security



2019 PARTNER OF THE YEAR FINALIST
 Open-Source Applications & Infrastructure on Azure



2021 MSUS PARTNER OF THE YEAR WINNER
 Business Excellence in Solution Assessments



2018 US SI PARTNER OF THE YEAR WINNER
 Solution Innovation on Microsoft Azure Award