

AZURE LOCAL

Extend Azure to your on-premises infrastructure



Azure Local allows organisations to operate infrastructure across locations of your choice – including Six Degrees data centres – with unified management enabled by Azure Arc. As an experienced Microsoft Partner, Six Degrees can help you deploy, host, and manage your Azure Local infrastructure.

Azure Local is full-stack infrastructure software that runs directly on bare metal hardware validated by OEM partners.

With it, you can run containers, virtual machines, and some Azure services at distributed locations with central management from the cloud, enabled by Azure Arc. Microsoft provides and supports the complete software stack, so you don't need separate tools or vendors for the underlying virtualisation or storage.

Who is Azure Local For?

Azure Local is ideal for organisations with:

- **Strict Data Sovereignty/Compliance.** Useful for organisations needing to keep data and applications in the United Kingdom while using Azure management tools, including government, defence, and healthcare organisations or organisations handling sensitive data about UK citizens.
- **Latency-Sensitive Workloads.** Designed for scenarios requiring near real-time processing, such as factory automation, industrial quality assurance, and local AI inferencing.
- **Legacy Modernisation.** IT teams looking to replace aging VMware/SAN environments with a modern, software-defined, HCI (hyper-converged infrastructure) solution or looking to modernise software to use containers and Kubernetes.
- **Disconnected/Disconnected-Ready Environments.** Supports environments that are occasionally disconnected from the internet, ensuring mission-critical systems continue to function locally.
- **Edge and Distributed Locations.** Ideal for branches, retail stores, manufacturing sites, or any location needing local compute power that syncs with Azure.

Why Azure Local?

- Take advantage of public cloud and private cloud resources working together and natively monitor, secure, and backup to the cloud.
- Deploy Azure Virtual Desktop session hosts on your on-premises or collocated infrastructure.
- Run Azure Arc services on-premises to build consistent hybrid and multi-cloud applications with support for VMs, data services, and app services.

- Data centre consolidation and modernisation to improve scalability, retire legacy SAN storage, lower costs, and simplify operations with unified tools and single-vendor support.
- Support branch office and edge workloads with cost-efficient two-node clusters, switchless networking, and centralised management in the Azure portal.

Azure Local allows you to take advantage of cloud and on-premises or partner hosted resources working together and natively monitor, secure, integrate with Azure public cloud, and back up to the cloud.

Six Degrees' Azure Local Services

As an experienced Microsoft Partner with its own Tier III data centres and managed collocation services, Six Degrees is ideally placed to host and manage your Azure Local deployment:

- **Assessment and planning.** We will guide you to establish the business case, goals, and technical requirements for Azure Local.
- **Design and architecture.** We will translate your strategic goals into a technical blueprint.
- **Implementation and migration.** We will migrate your workloads to Azure Local.
- **Testing and validation.** Before going live, we will test and verify that your Azure Local environment is secure and functions correctly.
- **Azure Local as a Service.** We will deliver full in-life managed services, including monitoring and optimisation.

Azure Local Core Capabilities

Cloud-based operations	Use Azure tools and APIs for more consistent infrastructure provisioning and lifecycle operations across distributed locations.
Governance through central management and visibility	Achieve strong governance – monitor, update, and secure Azure Local infrastructure directly from the Azure portal using familiar Azure services.
Support for diverse workloads	Run containers, VMs, and select Azure services – including Azure Virtual Desktop and Azure IoT Operations – side by side.
Multiple-node clustering	Increase resilience and uptime with high availability and robust software-defined storage.
Cloud-based VM management	Expand cloud practices with VM extensions, Azure Marketplace images, templates, and role-based access control (RBAC).
Integrated Azure Kubernetes Service (AKS) experience	Simplify Kubernetes management and enhance developer productivity with built-in AKS.
Cost-effective migration	Use the tried and tested Azure Migrate tool to migrate workloads from VMware environments to Azure Local.
Azure Local with disconnected operations	Azure Local and Microsoft 365 Local with disconnected operations bring cloud-consistency and data sovereignty to environments with limited or no connectivity.
Secure collaboration and control with Sovereign Private Cloud	Azure Local with Microsoft 365 Local delivers Microsoft cloud services in customer locations, enabling organisations to meet strict data residency and sovereignty requirements.
Foundry Local	An on-device AI inference solution, Foundry Local can be used to run AI models locally through a CLI, SDK, or REST API.

Our Credentials



To speak to one of our experts about Azure Local, [click here](#).