

AHEAD Azure Local Integrated Deployment Solutions

AHEAD specializes in integrating Microsoft Azure into modern IT environments and has developed a series of hyperconverged infrastructure solutions to fit a variety of needs for data centers and edge implementations.

AHEAD building blocks for Microsoft Azure Local are designed specifically for organizations looking to efficiently modernize data center and edge infrastructure, provide a platform for data center virtualization, as well as modernize near edge operations.

Solutions are fully-integrated and configured through AHEAD Foundry™ with the applicable foundational technologies, then deployed directly to sites. Our proven methodology ensures Azure Local deployments run smoothly and sites are up and running quickly.

AHEAD services go beyond rack integration to full-scale global logistics and post-implementation professional and managed services. Fully configured and integrated racks are safely and securely deployed anywhere in the world and carry the right certifications and documentation to avoid delays along the way. Systems arrive fully functional and are operational within hours, not weeks.

By engaging with AHEAD for your Azure Local needs, you benefit from end-to-end visibility with [AHEAD Hatch®](#) IT Lifecycle Management software. From asset procurement and production status by work center, to real-time shipment status and end-state rack configuration and installation details, Hatch enables your team to track every step for every location, and beyond.

Flexible Building Block Configurations

AHEAD engineering and Azure teams created a reference architecture approach to Azure Local solutions with appropriate sizing and high availability design. These building

blocks are engineered with a range of capacity and density, making them well-suited for enterprise infrastructure and scalable to grow with your business.

Our specialists work with your teams to custom design your end-state solution. We assess workloads, both in the data center as well as at the edge. We determine sizing and validate your power needs, your facility needs, and your connectivity needs. Whether your workloads demand small, medium, or large rack deployments, or any combination, these options are meticulously engineered and configured to optimize Azure Local for performance and reliability.

AHEAD's Integrated Rack Solution Includes:

Dell APEX Cloud Platform for Microsoft Azure

Dell MC-760 and MC-660 with Dell networking

Fully-integrated rack solution with cabinet, PDU, rack infrastructure, and cabling built to spec with high availability design



We offer small, medium, and large reference server configurations based on the workload in a fully integrated stack with networking, cabling, PDUs, and rack infrastructure.

Pre-Deployment Rack Integration

Every detail is managed across the physical and logical setup of the Azure Local to deploy as a complete integrated solution

Integration of network switches provides seamless connectivity

Network and power cable installation ensures redundancy, reliability, and efficiency

PDUs and racks are specified to provide consistent power distribution for maximum uptime

Configuration and Testing

Base configuration of Dell Azure Local nodes and network switches prepare the systems

Firmware is updated to the required levels, meeting Microsoft certification requirements, maximizing availability, and enhancing security

Microsoft operating system image is loaded to minimize onsite configuration

As-built data harvesting and documentation is automatically uploaded to Hatch

Deployment to Sites

Post-configuration, final quality checks are performed

Racks are securely shipped to end locations in well-protected crates

Optional on-site white glove rack installation services with easy-to-follow instructions are included to power up and connect the solution to the onsite network

Final Microsoft Integration Onsite

Connection is made to Microsoft Active Directory (AD) for seamless integration into the existing identity management infrastructure

AHEAD technical resources are available as needed to perform on-site setup

Key Partners:



AHEAD Azure Local Integrated Solutions

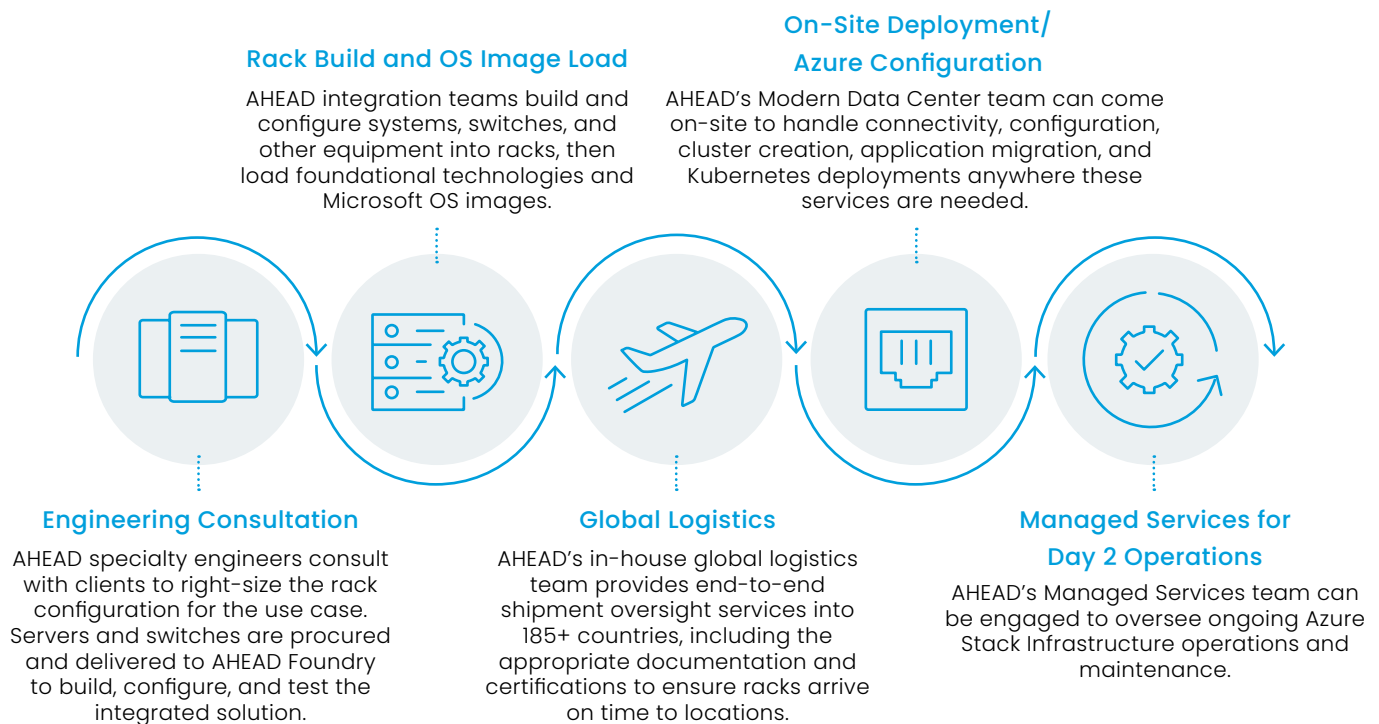
- T-shirt sizing for pre-defined configurations: small, medium, and large
- Leverage Dell Technologies server and networking technology solutions
- Include end-to-end design, rack integration, and deployment to sites
- Ideal for data center virtualization initiatives and edge/OT/factory modernization

End-to-End Azure Local Capabilities from AHEAD

Beyond building, integrating, and deploying Azure Local, AHEAD can provide professional and managed services to allow your team to stay entirely hands-off.

- On-site final mile configuration services
- Azure ARC configuration and setup to enable unified management across on-premises and cloud environments
- Managed services for full stack infrastructure and Azure

AHEAD Azure Local Services



IT Lifecycle Transparency with AHEAD Hatch®

AHEAD Hatch IT lifecycle management software offers unparalleled visibility and control throughout the lifecycle of your Azure Local solution. Hatch provides rich data on every asset by location down to the component level, and real-time tracking across the supply chain, from procurement to integration to shipments in transit.

Hatch helps IT teams and stakeholders stay in the loop with transparency into every stage of the project:

- Real-time procurement status for hardware acquisition and software licenses
- Integration process tracking from assembly through configuration and testing
- Rack elevation mapping with precise slot tracking, serial number capture for each slot, detailed PDU positioning and serial data, PSU serial information, and more
- Lifecycle management for ongoing system updates, service entitlements, and maintenance records
- In-house logistics team experienced in exporting technology systems to 185+ countries
- Real-time tracking across the shipping and delivery process, ensuring transparency from start to finish
- Site management from installation through final implementation and beyond, knowing every asset's status by site location



Why AHEAD for Azure Local

AHEAD provides a robust and efficient pathway with Azure Local to modernize your infrastructure. [Contact us](#) to learn how we help remove the burden off your IT teams to accelerate your deployment and get more value from your digital infrastructure.

AHEAD

Accelerate Your Impact

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Learn more at
www.ahead.com