

AZURE VIRTUAL WAN CONNECTIVITY

INSTANTLY CONNECT BRANCHES & DEVICES TO AZURE VIRTUAL WAN WITHOUT HARDWARE, PRIVATE CIRCUITS, OR VPNS

As enterprises increase the rate of workload migration to public cloud, the demand for virtual WAN services to manage and extend WAN capabilities in those environments has grown in tandem. Microsoft has developed Azure Virtual WAN as an enterprise-ready secure, scalable, low-latency software-defined WAN solution within the Azure ecosystem to answer this call. Microsoft offers numerous edge points of presence (PoPs) across the globe as on-ramps to Azure Virtual WAN for connectivity partners. As an Azure Virtual WAN preferred partner, NetFoundry provides the most agile and secure endpoint-to-Azure edge connectivity on the market, without the constraints of burdensome VPNs, the hassle of private circuits, or the headaches of new hardware.

By combining NetFoundry's seamless Azure, Azure Stack, and Azure IoT integrations with agile and secure intra-Azure connectivity through Azure Virtual WAN, businesses can effectively manage workloads across the entire Azure ecosystem without bespoke connectivity solutions.

The NetFoundry platform is a software-only connectivity solution that enables our customers and partners to instantly spin up secure, performant, application-specific, Zero Trust networks called AppWANs to connect public, private, and hybrid cloud environments with Internet reach and scale. With NetFoundry, there is no need for complex routing and configuration or hardware.

POWERFUL NETWORK ABSTRACTION BEYOND AZURE

NetFoundry delivers power and simplicity through network infrastructure abstraction, putting total control of connectivity in your hands. Rise above the infrastructure and elevate your network across the Azure ecosystem, multiple cloud providers, Industrial Internet of Things (IIoT) deployments, and more, while simplifying and future-proofing your application development, security, & connectivity strategies.

Key Benefits

- On-Demand networking as agile as the applications and IT functions it serves
- Instant connectivity to the entire Azure ecosystem
- Hardware and service provider agnostic
- Instant, integrated Azure Virtual WAN provisioning
- Ideal for DevOps
- Unmatched control & security with software-defined perimeter (SDP) & Zero Trust
- Significant performance improvement over traditional VPN solutions
- Untether networking from underlying infrastructure with networks that can be programmed to be fit for purpose
- Networks driven by the identities, contexts, & needs of each app and set of IAM policies
- Available in Azure marketplaces

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FLEXIBILITY FROM EDGE-TO-AZURE VIRTUAL WAN

NetFoundry AppWANs are created and managed using developer-friendly, web-based orchestration tools and APIs tailored to fit within application development and operation life cycles.

The components within the NetFoundry orchestration console were designed to make building and augmenting AppWANs to Azure Virtual WAN as well as to other cloud providers easy and seamless. Our virtual gateways, which connect AppWANs to Azure Virtual WAN and other cloud instances, come pre-built to integrate quickly and seamlessly with the Azure ecosystem as well as other popular cloud providers such as AWS, Google Cloud Platform, IBM Cloud, Oracle, and others.

NetFoundry offers two tiers of service for Azure Virtual WAN connectivity, Basic and Enhanced.

Basic Connectivity Method

In the basic connectivity topology, administrators use the NetFoundry management console or APIs, which seamlessly integrate with your Azure subscription, to deploy endpoints at branch locations, then instantly spin up NetFoundry IPsec connectors to the Azure Virtual WAN Hub without private circuits or custom hardware. This allows administrators to create and connect customer sites in seconds, either individually or through our automated bulk provisioning tool.

Enhanced Connectivity Method

Boasting every feature of the basic tier, the enhanced tier also makes it easy to extend connectivity to other public clouds, add Windows and Mac clients to the WAN, and micro-segment traffic by application. With the enhanced tier, traffic traverses NetFoundry's global network fabric, a secure, global Internet overlay orchestrated by a cloud-native, instance-specific network controller which integrates with business and application systems such as IAM, IoT identity, and cloud policies, while securing traffic across multiple layers and adaptively optimizing performance and throughput, providing better security and performance than IPsec VPNs.

