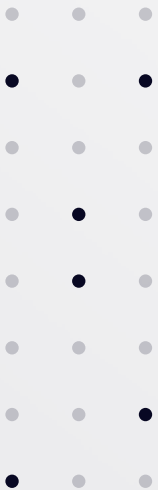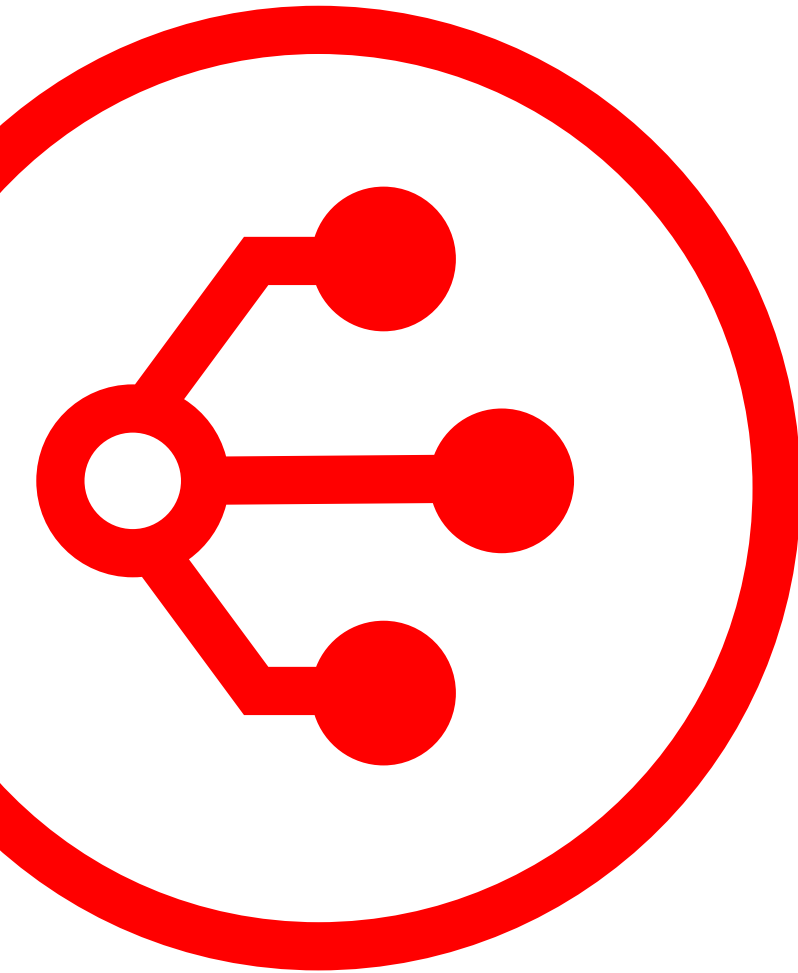# Megaport Virtual Edge

Deploy edge networking in minutes.
Modernize connectivity from branch to cloud.

Megaport

Transform networking at the edge

With users, infrastructure, applications, and mobile and IoT devices needing connections to data centers, branch locations, and the public cloud, enterprise networks have never been more complex.

As organizations rapidly adopt networking technologies such as SD-WAN to manage this complexity, Megaport Virtual Edge (MVE), an on-demand Network Function Virtualization (NFV) service, helps businesses modernize branch-to-cloud connectivity and deploy edge networking in a matter of minutes.

With MVE, in a point-and-click manner, you can quickly deploy:

| SD-WAN Gateways

| Virtual routers

| Integrated Transit Gateways

Use Cases

Branch to Cloud: Extend the enterprise branch network to one or many cloud resources for one seamless network from branch to cloud.

Branch to Data Center: Connect your branch locations to your data center footprint, leveraging more than 700 Megaport-enabled global data center locations.
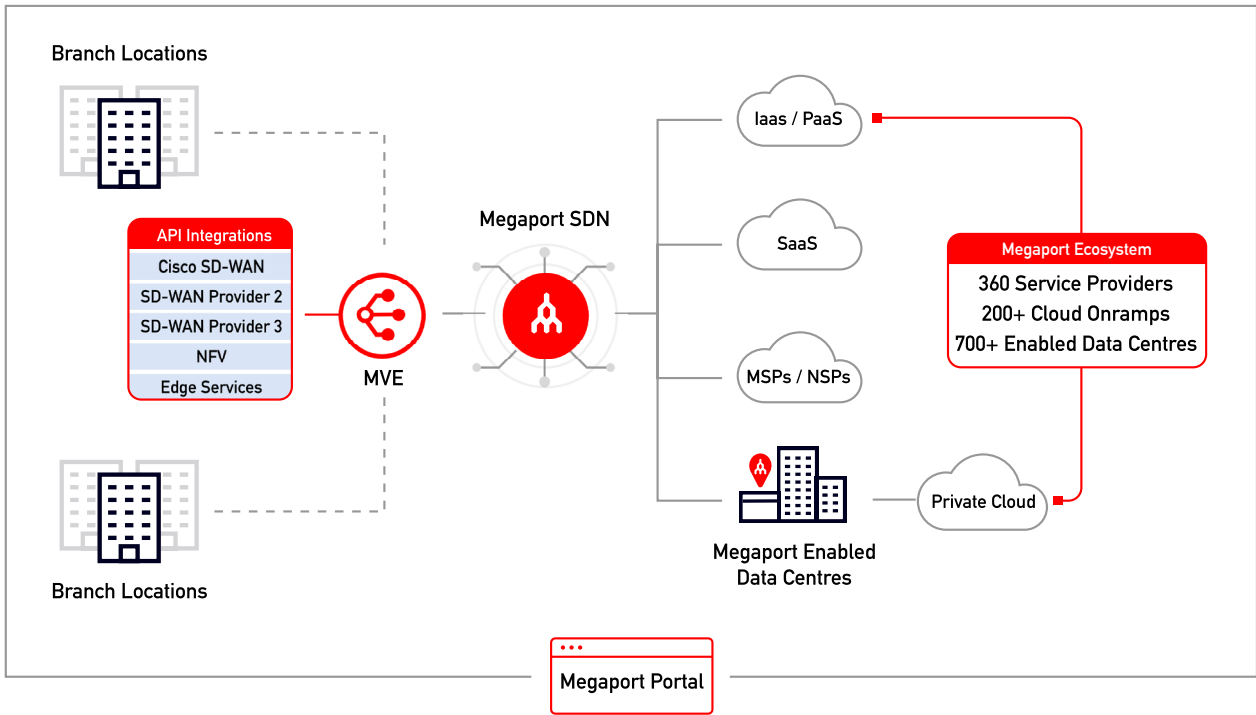
VPC to VPC for Multicloud: Neutrally and privately connect multiple cloud regions, providers, or accounts for network interoperation.

Branch to Branch: Utilize Megaport's private network to reduce reliance on the internet and connect your branch locations.

Private SDN Backbone

Branch Locations

API Integrations
- Cisco SD-WAN
- SD-WAN Provider 2
- SD-WAN Provider 3
- NFV
- Edge Services

MVE

Megaport SDN

Iaas / PaaS

SaaS

MSPs / NSPs

Megaport Ecosystem
360 Service Providers
200+ Cloud Onramps
700+ Enabled Data Centres

Private Cloud

Megaport Enabled Data Centres

Branch Locations

Megaport Portal

MVE customers can access Megaport's leading ecosystem of more than 700 enabled data centers worldwide, over 360 service providers, which includes 200+ cloud on-ramps from the world's leading clouds such as Alibaba Cloud, AWS, Google Cloud, Microsoft Azure, IBM Cloud, Oracle Cloud, and Salesforce.

Benefits

Deploy faster

On-demand, point-and-click provisioning

Spin up virtual devices and direct connections in minutes, not months

Reduce network planning and administration time

Optimize costs

Reduce cloud egress fees

Reduce opex – pay-as-you-go model aligns to cloud consumption

Reduce capex – no hardware to purchase

Avoid duplication of network overhead and resources

Simplify your network

Consolidate services and reduce complexity

Neutral platform unifies connectivity to branch, VPCs, data centers, shared services, and resources

Span multiple cloud providers and accounts

Migrate from legacy MPLS

Improve performance and reliability

Highly distributed for localized traffic

Cloud-enabled middle and last mile connectivity

Reduce latency, improve jitter

Enhance security

Predictable, private access to multiple cloud resources

With SD-WAN technology, users route mission-critical traffic across Megaport's private SDN, reducing internet dependence

What do you get?

| Platform to host NFV and virtual devices like SD-WAN appliances

| DDoS protected connection to internet from MVE to terminate tunnel between MVE and customer premises equipment (CPE) at the branch

| Access to Megaport ecosystem

| Up to 24 VXCs per MVE

| MVE + VXC provides complete connection from the branch to any end-point on Megaport's network, including cloud onramps

| Interoperation with Ports and Megaport Cloud Routers (MCR).

MVE-enabled locations

North America

Ashburn
Atlanta
Bay Area
Chicago
Dallas
Denver
Los Angeles
New York
Phoenix
Seattle
Toronto

Europe

Amsterdam
Frankfurt
London

Asia-Pacific

Auckland
Perth
Melbourne
Sydney
Canberra
Singapore
Hong Kong
Tokyo
Osaka

Tech Specs

Features and Capabilities

Vendors: Cisco SD-WAN, Fortinet VMware, Versa SD-WAN, Aruba (Coming soon)

Licences: BYOL

MVE Instance Components:

| IP Addressing

| High availability architectures

| Transit Gateway

| DDos Protection

Other Capabilities:

| IPv4 and IPv6 Support

| Route Filtering

| MVE Linking

| ASN: 2/4 Bytes

| Premium Transit from two providers per market

Size	Internet Throughput	Typical SD-WAN Endpoints
Small (2 vCPUs)	500Mbps	~40
Medium (4 vCPUs)	1Gbps	~100
Large (8 vCPUs)	5Gbps	~500

More information

📍 Megaport Enabled Locations		💡 Access Megaport Docs	

Megaport Enabled Locations

Access Megaport Docs

Access the Megaport Portal

Megaport Videos

Contact Us

Reimagine Connectivity.

Megaport is a leading provider of Network as a Service (NaaS) solutions. The company's global Software Defined Network (SDN) helps businesses rapidly connect their network to other services via an easy-to-use portal or our open API. Megaport's network offers greater agility, reduced operating costs, and increased speed to market compared to traditional networking solutions. Megaport partners with the world's top cloud service providers, including AWS, Microsoft Azure, and Google Cloud, as well as the largest data centre operators, systems integrators and managed service providers in the world. Megaport is an ISO/IEC 27001-certified company.

Megaport