VMware VeloCloud SD-Access

At a glance

VMware VeloCloud SD-Access provides these benefits:

- Managed remote access as-a-service

- Multi-regional, software-based solution

- Easy to deploy and manage

- More flexible and cost-effective alternative to traditional VPN

VMware VeloCloud SD-Access™ provides enterprise IT with an easy and secure remote access solution for remote workers that boosts productivity by optimizing connections for speed and quality. It provides robust security with connections that are encrypted end-to-end after zero-trust interrogation.

The cloud-managed service sets up in minutes and offers flexibility to deliver a high-performance private network fabric between servers, clouds, and remote workers' desktop or mobile devices and without requiring hardware edges. It reduces overhead and maintenance costs while providing a better application experience for users working remotely or while traveling.
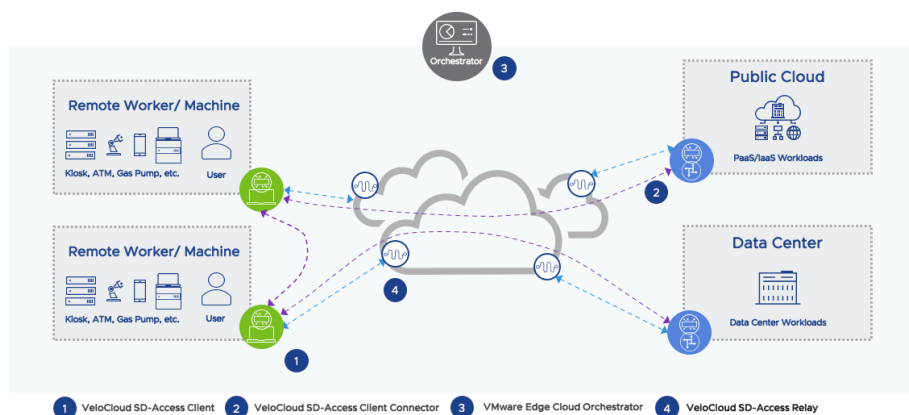

Figure 1: VeloCloud SD-Access key components

Common use cases

Connecting distributed workforces and devices is challenging. Traditional networking and security models are proving to be inefficient for modern infrastructure. VeloCloud SD-Access converges security and networking, allowing enterprises to create their own private, secure, high performance overlay networks, connecting any users, devices, and services—located anywhere—as if they are on a LAN.

There many use cases where SD-Access can be considered an efficient solution, including:

Enabling work from anywhere: VeloCloud SD-Access allows you to easily create private networks that connect all users, devices, and servers (in the cloud or on-prem) as if they are on a LAN. Your new network is private, encrypted, and leverages advanced protocols and routing to provide optimal performance.

Because the network is software-based and distributed, it does not require deploying gateway appliances. It can support and secure all your network traffic (not only WAN traffic going through your gateways' appliances), and seamlessly connect all clients regardless of whether they are on the same physical network, in different locations, or in the cloud.
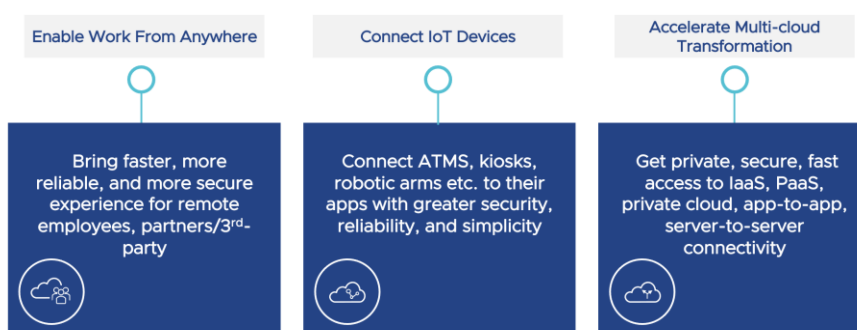

Figure 2: Common use cases for VMware VeloCloud SD-Access

Connecting IoT devices: VMware VeloCloud SD-Access takes care of all your connectivity, security and networking needs when bringing devices online. You can create your own private overlay network that connects appliances and networks to remote data centers or clouds with the simplicity and economics of a LAN. You can easily provision and manage these networks from the cloud. Advanced encryption, networking protocols and routing are built into your new network and seamlessly secure and accelerate access to resources. Unlike centralized hardware solutions, VeloCloud SD-Access provides a software-only solution that can be deployed easily and efficiently to connect, accelerate, and secure network traffic.

Accelerate multi-cloud transformation: A true digital transformation is not complete without a multi-cloud strategy. VMware VeloCloud SD-Access delivers private, secure, fast access to IaaS, PaaS, and SaaS applications from remote locations or on the go. By leveraging relays, VeloCloud SD-Access provides much better reliability and speed to the cloud from hard-to-reach locations. Finally, because VeloCloud SD-Access is abstracting the physical node location and network setup, it makes migrating to the cloud virtually seamless.

Software features

Category	Features
AAA	Local authentication, SAML-based
Optimization relays (acceleration)	Roaming users / devices stuck behind a firewall guarded network could still seamlessly connect to each other, applications using the optimization relays hosted by VMware across the globe
Clients	An agent deployable across different device types and operating systems
Connector	A software-based gateway that customers, partners can take and host anywhere (on-prem, their own cloud infrastructure) to NAT multiple devices, applications
Visibility	VMware Edge Cloud Orchestrator to view reports on connections attempted, accepted, and blocked
Private segmentation	Private LANs through micro-segmenting entire network
Contextual access	Security by defining contextual requirements, such as geo-location, time of day, device type, and integrate with leading endpoint security tools to enforce device posture prior to connecting to the network
Multitenancy	VeloCloud SD-Access relays VMware Edge Cloud Orchestrator
Performance-based path selection	Dynamic traffic routing based on best path to connect any two clients, connectors
Encryption	End to end TLS / DTLS based connectivity between any two clients and client connectors

An SD-Access standard license is also bundled with existing WFH and WFH Pro licenses.

Learn more

- VMware VeloCloud SD-Access,
  sase.vmware.com/SD-Access

Software support levels

Software support plans	Production	Premier
Call center	24x7 (Sev1) 12x5 (Sev2, Sev3, Sev4)	24x7 (Sev1, Sev2) 12x5 (Sev3, Sev4)
Response time	Sev1: within 30 mins Sev2: within 4 hours Sev3: within 8 hours Sev4: within 24 hours	Sev1: within 30 mins Sev2: within 2 hours Sev3: within 4 hours Sev4: within 12 hours Sev5: per schedule
Software maintenance	Yes	Yes
Federal support?	Yes	Yes

Technical specifications

Feature	Details
OS Support	**SD-Access Client:** • Windows (Windows 7 SP3, Windows 11, Windows 10, Windows Server 2012 or later) • MacOS (High Sierra or later) • Linux: Ubuntu (18, 19, 20, 21, 22), Debian (9 and 10), CentOS (7.x) and Fedora 32 • Android 7 and above • iOS 13 and later **SD-Access Client Connector:** • Linux: Ubuntu (18, 19, 20, 21, 22), Debian (9 and 10), CentOS (7.x) and Fedora 32
Protocols	TLS 1.2, DTLS
Encryption	AES-256
Authentication options	SAML, Token based, Local Auth (user email, password)
Layer 3 protocols	IPv4 IPv6 (only for client to client / client connector connections)
Localization	English
Diagnostics	Supported
Availability	Refer to Product SLA

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