VMware SD-WAN Assessment

Today's enterprises are consuming more WAN bandwidth as they collaborate online (e.g., Skype for Business, WebEx, Office 365), increase the use of software as a service (SaaS) and cloud services, access large rich-media files, and leverage other bandwidth-intensive applications. The vast majority of branch-office WAN traffic is carried over expensive leased lines (private MPLS circuits) or unpredictable Internet connections (DSL, cable, LTE)—neither of which is ideal on its own. A software-defined WAN (SD-WAN) is the answer. VMware SD-WAN™ by VeloCloud® enables enterprises to support application growth, network agility, and simplified branch implementations while delivering optimized access to cloud services, private data centers, and enterprise applications simultaneously over both ordinary broadband Internet and private links.

Products included in this offering

- VMware SD-WAN by VeloCloud

High level project timeline

- Approx. 30 days (primarily automated network data collection)

High level services provided

- Preparation
- Implementation Assessment
- Ongoing Verification
- Documentation
- Presentation

Within the VeloCloud assessment we help organizations to:

- Understand bandwidth consumption: how much bandwidth is consumed by which application over which uplink.
- Analyse MPLS and leased line cost and technology: nowadays many companies rely on expensive, telco provided, private networks (e.g. MPLS). Using cheaper lines with a different SLA, but multiple, can help lowering the cost with an overall identical or better uptime, availability and overall more cost-efficient bandwidth usage.
- Present results: after the assessment we consolidate the results and present them towards supporting organizations. Preparing the organization to build a future-proof software-defined wide area network based on actual requirements.

For the assessment we use VMware vRealize Network Insight to collect necessary information for further analysis from switches, firewalls and existing virtualization platforms. Furthermore, ongoing monitoring is provided to ensure consistent data collection. The outcome is a presentation providing an introduction how the transition to VMware SD-WAN could be done.

Why/Outcome

VMware SD-WAN is a powerful branch and edge connectivity platform that combines the economics and flexibility of a real-time network overlay with the deployment speed, scale, and automation of cloud-delivered services. With VMware SD-WAN, organizations of all sizes and in any industry can support application growth, network agility, and simplified branch implementations, as well as optimize access to cloud data centers and SaaS applications.

Built on the principles and flexibility of software-defined networking and expanding on the VMware virtualization vision and networking portfolio, VMware SD-WAN addresses end-to-end automation, application continuity, branch transformation, and security from data center to cloud to edge.
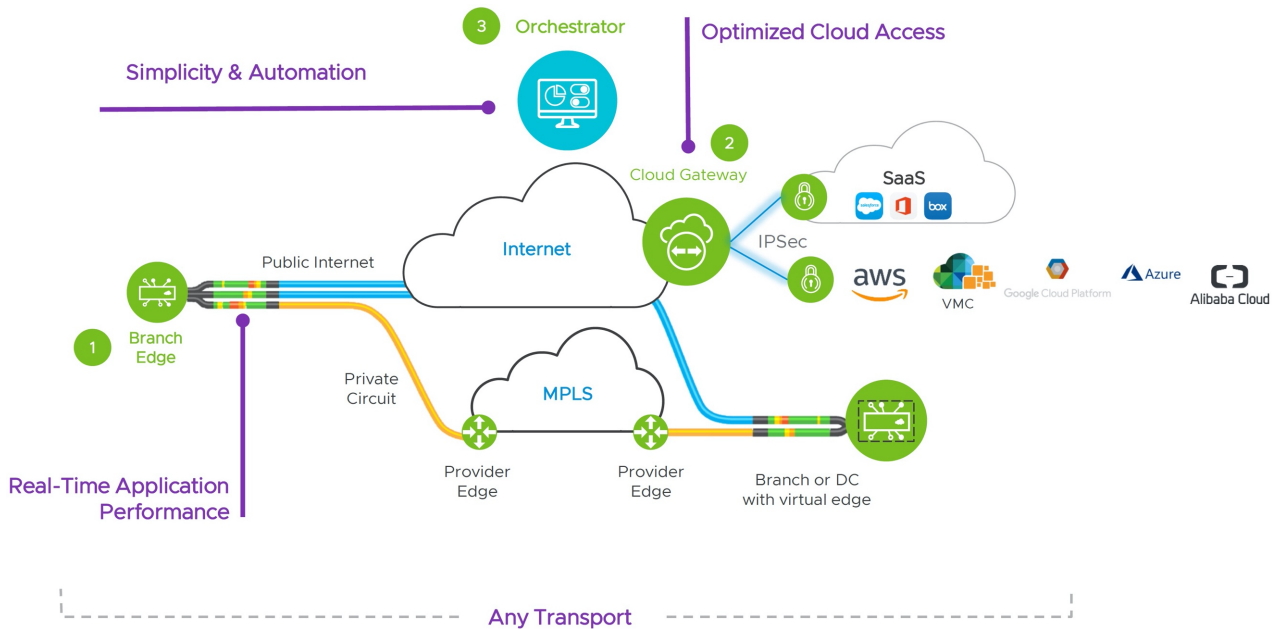

VMware SD-WAN enables organizations to

- Use multiple transports for WAN (MPLS, broadband, 4G, 5G, satellite, etc.).
- Break-out cloud traffic using VMware SD-WAN-hosted gateways.
- Guarantee real-time app performance with dynamic multi-path optimization (DMPO) traffic steering and on-demand remediation.
- Simplify management with multi-tenant VMware SD-WAN Orchestrator for centralized visibility and control.
- Reduce link and equipment costs by up to five times.
- Leverage zero-touch deployment with download of configuration.

What

Together, based on the collected data, we analyze which application consumes what amount of bandwidth. Also cost of the individual connections are important, especially if using leased lines or MPLS solutions for branch offices. Afterwards we are providing a concept to optimize traffic steering for individual application on the one hand, on the other hand lower the monthly fees for the used internet connections.
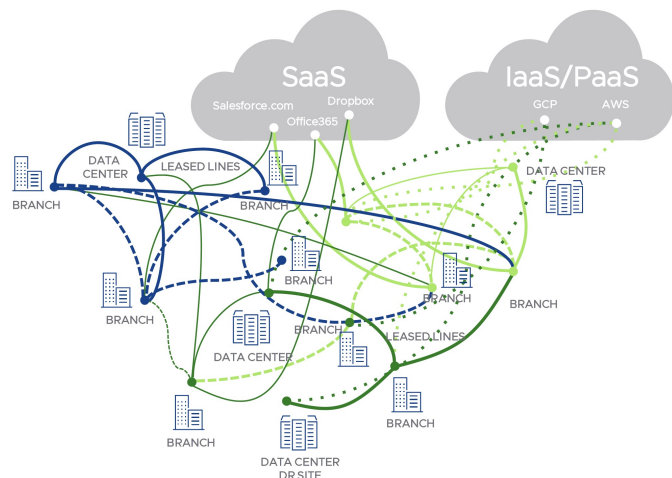
Project Agenda

After a preparation we implement VMware vRealize Network Insight in the infrastructure to collect all needed information. After an ongoing check if the collection is consistently working, we are summarizing the findings and present optimizations.

Get in touch!

Please do not hesitate to call and inquire about any of those features or ways to customize this offering:
+49 251 703839 0 or send us an email to info@comdivision.com

More information

For more information on VMware SD-WAN by VeloCloud visit: www.comdivision.com/cd-products/vmware-sd-wan

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"The comdivision group – founded in 1996 – provides outcome-oriented IT strategy consulting and implementation support in the DACH region and the USA. The comdivision group was the first partner in EMEA to achieve five VMware Master Service Competencies and second worldwide to earn all seven. Most of the architecture and consulting team – including two VMware Certified Design Experts (VCDX) – are also VMware Certified Instructors (VCI), so you have the peace of mind to be taken along through each step of the way, preparing you for successful Day 2 operations. If you need assistance beyond that, ask for our cd:knowledge product, an expert-on-demand service that gives you up to 24/7 access to our specialists."

VMware Master Services Competency
VMWARE CLOUD FOUNDATION

VMware Master Services Competency
CLOUD MANAGEMENT AND AUTOMATION

VMware Master Services Competency
CLOUD NATIVE

VMware Master Services Competency
DATA CENTER VIRTUALIZATION

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DIGITAL WORKSPACE

VMware Master Services Competency
VMWARE CLOUD™ on AWS

VMware Master Services Competency
NETWORK VIRTUALISATION

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