



## VxCloud O365 Networking

Office 365 is designed to operate all over the world using internet connectivity. As the service evolved, the security, performance, and reliability of Office 365 improved based on customers using the internet to establish a connection to the service. VxCloud have taken cloud networking a step closer to providing cloud based networking support for O365 central and remote branch offices. VxCloud O365 Cloud Network design is based on local internet peering to achieve faster O365 international connectivity which enables clients to utilise normal broadband (LTE, FTTH, DSL, Fibre and Metro Networking) to achieve the required O365 Quality of Experience.

Customers planning to use Office 365 should assess their existing and forecasted internet connectivity needs as a part of the migration and deployment process. For enterprise class deployments reliable and appropriately sized internet connectivity is a critical part of consuming Office 365 features and scenarios.

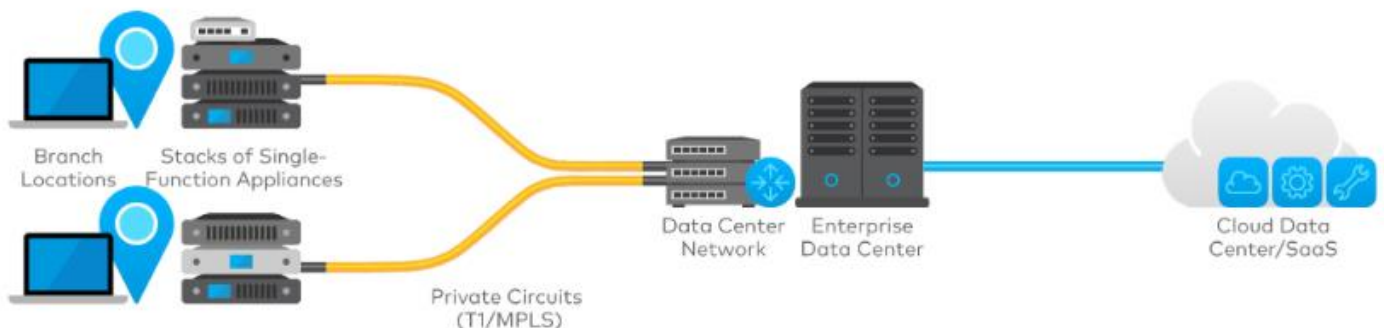
Network evaluations can be performed by many different people and organizations depending on your size and preferences. The network scope of the assessment can also vary depending on where you're at in your deployment process. To help you get a better understanding of what it takes to perform a network assessment, we've produced a network assessment guide to help you understand the options available to you.

This assessment will determine what steps and resources need to be added to the deployment project to enable you to successfully adopt Office 365.

A comprehensive network assessment will provide possible solutions to networking design challenges along with implementation details. Most network assessments will indicate network connectivity to Office 365 can be accommodated with minor configuration or design changes to the existing network and internet egress infrastructure

VxCloud Hosted Cloud SD-WAN dynamic path optimization uniquely assures performance for real-time UC (Unified Communication and VoIP) applications even over broadband WANs. The SD-WAN is uniquely extended directly to the cloud via multi-tenant Gateways hosted at major cloud destinations in South Africa and Internationally. The vast majority of branch office WAN traffic is carried over expensive leased lines (private MPLS circuits) and unpredictable Internet connections (DSL, Cable, LTE) — neither of which is ideal.

Today's South African branch office users are consuming more wide area network (WAN) bandwidth as they collaborate online (e.g., Skype for Business, WebEx, Office 365, Azure and AWS), increase the use of Software-as-a-Service (SaaS) and cloud services, access large rich-media files, and leverage other bandwidth-intensive applications. Corporate IT is facing significant challenges addressing these demands due to the complexity, cost and static architecture inherent in their existing WAN.

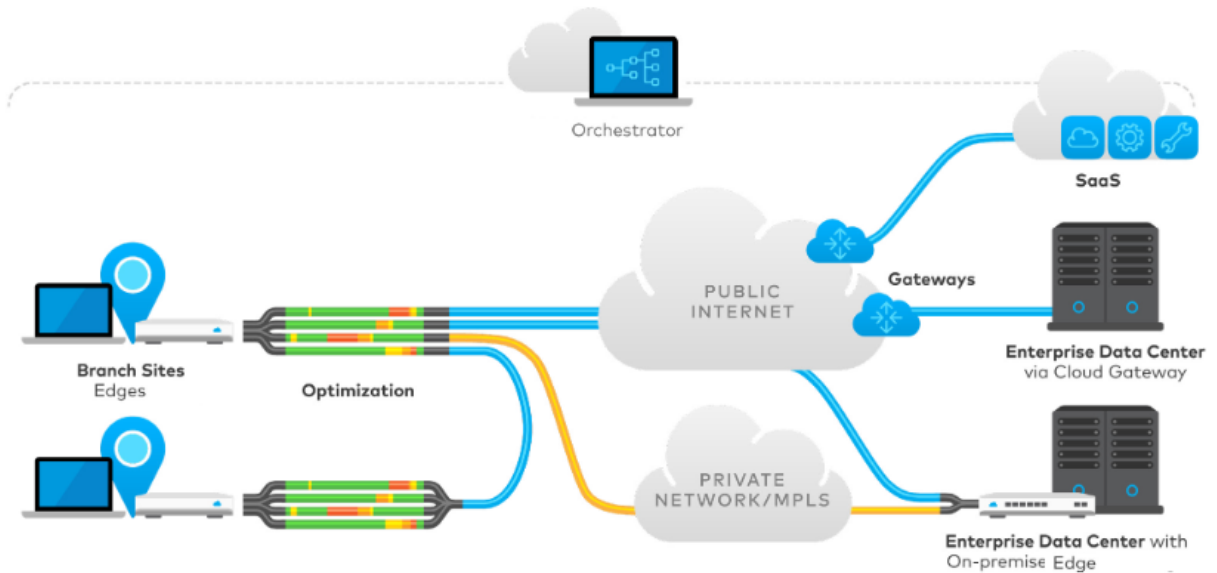


VxCloud Cloud-Delivered SD-WAN combines the economics and flexibility of a hybrid WAN with the deployment speed and low maintenance of a cloud-based service. It also includes policy-based network-wide application performance, visibility and control while dramatically simplifying your WAN by delivering virtualized services from the cloud to branch offices.

The VxCloud Cloud Edge with Dynamic -Path Optimization and deep application recognition aggregates multiple private MPLS and broadband links (e.g., Cable, DSL, 4G-LTE, FTTH, Fibre and MPLS) and steers traffic directly to other on premise VxCloud “Edges” in branch offices, private data centres, campuses, and headquarters.

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The VxCloud Cloud Edge can also optionally connect to the system of global Gateways as shown in the Figure below to provide performance, quality, visibility and prioritization for cloud services (SaaS, IaaS, B2B Internet, generic Internet, etc.). The cloud-based Orchestrator is used to provision network-wide business policies, enable services insertion, provide visualization and analyse application performance. All included in One Enterprise SD-WAN solutions.



VxCloud have built a cloud networking service for cloud users and is a major enabler of cloud services in South Africa. Cloud networking to Perfection is about getting users to the cloud faster with the shortest path and improve the cloud Quality of Experience.