OMNI CLOUDS
A Platform To Transform

OMNICONNECT

FULL TRANSFORMATION PLATFORM

Why OmniClouds?

OmniClouds is one of the world's most comprehensive platform offering clouds solutions, data migration, internet-based solutions that support the demands of business, websites, or applications. As a Digital Service Provider (DSP), OmniClouds is the leading innovator of providing ICT as a service and has been at the forefront of delivering transformational public, private and hybrid Cloud solutions across the EMEA and South East Asian regions.

OmniClouds provides Cloud Migration Services, Cloud Connectivity and Managed Security Services along with state-of-the-art SD WAN platform which enterprises can leverage and achieve Reach, Agility & Cost Optimization without compromising on security & reliability. These services are delivered as a seamless end-to-end, managed experience that helps our customers manage change and accelerate their digital transformation initiatives.

OmniCloud Solutions

The OmniClouds Platform solutions embrace the latest technologies providing more network agility, reduced operating expenses, lowered deployment times, which help businesses prevent outages and eliminate costly configuration errors.

OmniConnect

OmniConnect combines the advantages of OmniBranch with the connectivity to Private and Public Clouds, providing seamless access to all enterprise resources hosted locally or on the Cloud. It also improves the quality and dependability of the branches connectivity by incorporating Internet transports (such as WIFI, DSL, Fibre, and LTE). OmniConnect enables businesses to efficiently manage more branch locations with fewer staff and allow for a centralized management that consolidates the provisioning and remote management of wired and wireless connections within the branch office, as well as WAN and Internet connections.

This solution allows customers to connect to multi-Cloud(s) via our MPLS backbone (up to 10GB) integrated with Microsoft Azure Express Route, AWS Direct Connect and Google Direct Connect. We provide dedicated backbone 10GB connections, allowing customers to connect to any Cloud globally. The advantage is the branch will be connected from its CPE to our gateway in order to issue the release of traffic. From the gateways the packets of information will travel through any of the dedicated Cloud links selected above to reach the Cloud. This is a great alternative for companies to rely less on inhouse Cloud connectivity solutions when solving application latency issues or packet loss.

Network changes are complex and OmniClouds is here to provide simple solutions for complex problems!

How to confidently migrate to optimized cloud connectivity is the question for today?

Managing the transformation requires dedicated, experienced resources. Custom engineered strategies deliver fully integrated enterprise-grade, cloud-ready SD-WAN solutions.

Expertly engineered optimized cloud connectivity solutions utilize connectivity options for each organization. Dedicated internet access leveraged over fibre/wireless/copper/ broadband with cable, DSL or 4G. Network Strategy Workshops, Network Discovery and Assessment, Network Design and Implementation, and a variety of technology-specific design transformation and adoption strategy solutions. Application assessments to determine flow, performance thresholds and routing rules.

Solution Brief:

Problem Statement

Cloud adoption has witnessed strong demand across the world in last decade. Most of the companies are adopting cloud due to its cost competitiveness, on demand scalability and high reliability. Organizations are also transferring to cloud to avoid operating and managing on-premises data center. Additionally, for startups and small & medium Enterprises cloud provides benefit of less upfront capital investment and flexible payment options.

Despite considerable benefits, cloud adoption in MENA region is comparatively lower than other regions. Following are the major challenges in designing and adopting cloud strategy:

- No or limited cloud data centers presence in Middle east and Africa region
- Limited Knowledge or expertise for Hybrid private and public cloud connectivity
- Limited bandwidth resulting in long duration while transferring large volume of data from on premise to the cloud.
- Security concerns to access data via unsecure and less reliable internet.
- Strict Government regulations and compliance requirements in the region.

OmniConnect offers connectivity to different cloud service and SAAS application providers globally. This includes secure, consistent, and Service Level Agreement (SLA) based public clouds access. It provides the easiest and most efficient solution to connect your branch offices, and on-premises data centers to the public cloud.

Following are the offerings of OmniConnect:

Hybrid Private and Public Cloud Connectivity

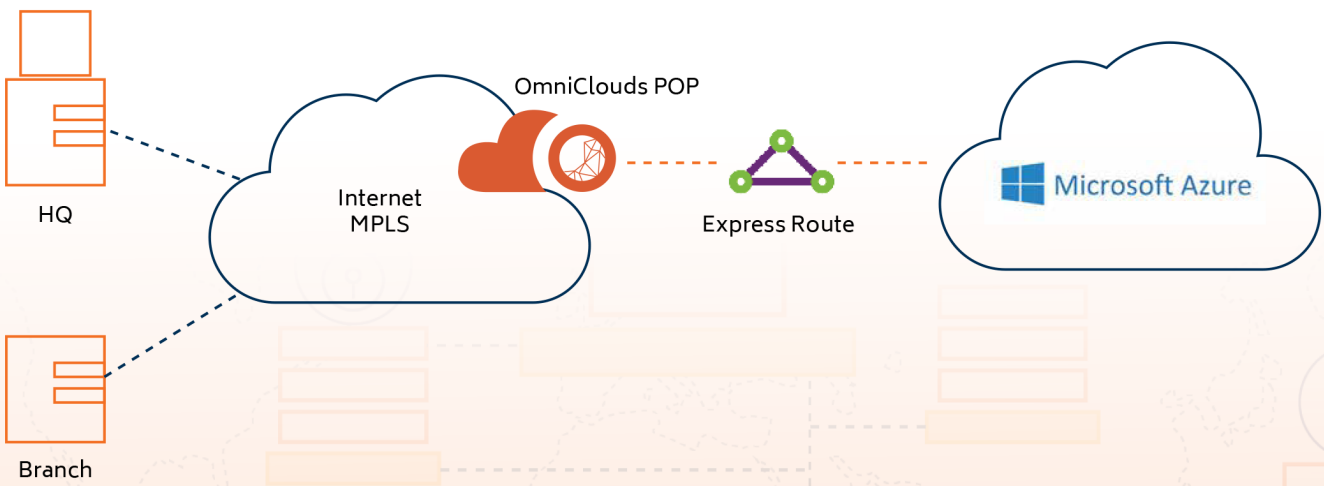
OmniClouds provides high throughput (5Mbps - 10Gbps) private connection along with SD-WAN solution with multiple cloud service providers including a) Google GCP using Interconnect b) Amazon AWS – using direct connect c) Transit gateway and Microsoft Azure using Express route, virtual WAN. This provides high speed, low latency, reliable and secure connection. This allows organizations to build applications that span local data centers and virtual infrastructure in public cloud, without compromising privacy and performance.

This is accomplished in multiple ways – (Explanation with Microsoft Azure Cloud service provider)

ExpressRoute: (Private Connection)

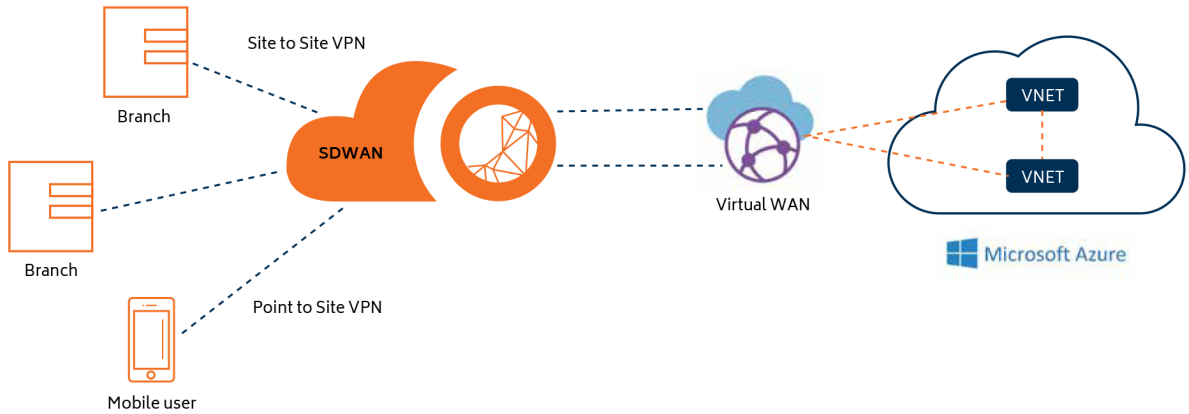
OmniConnect has direct connectivity to Azure Express Route, which provides organizations a private high-speed link from OmniClouds POP gateway to the Azure globally.

The main advantage of this solution is the bridging of the last mile gap, which results in lower latency, higher bandwidth and security between your physical branch and Azure private virtual account or public SAAS application such as Office365. Organizations can use Internet or MPLS WAN connections from their local ISPs to connect to OmniClouds network, and thereafter L2/L3 peering to onboard Microsoft backbone network.



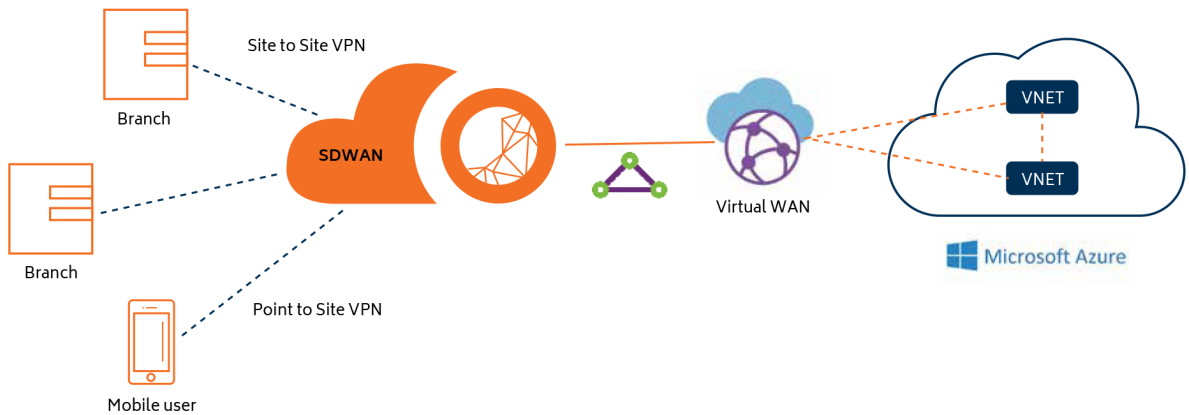
SD-WAN + Azure Virtual WAN: (Site/point to Site connectivity)

Azure Virtual WAN is networking service that provides south bound API interfaces to securely connect branches, remote users, data centers and public or privately hosted cloud applications, using secure IPsec tunnels. This helps to extend OmniClouds SD-WAN capabilities from the branch into the cloud, which enables end to end traffic management and visibility from the centralized orchestration layer. Additionally, Azure Virtual WAN acts as a global transit gateway and provides full mesh connectivity to the branches, on-premises data centers, multiple private accounts in Azure (VNet's) and remote users.



SD-WAN + Azure Virtual WAN +Azure ExpressRoute

In this case, the proposed combination of services offers a connectivity to Azure Virtual WAN via Express route with private peering. This option has the advantage of encrypting end-to-end traffic from the organization's branch to private or public services in Azure.



Cloud Adoption Assistant

OmniClouds also provides advisory to help organizations plan, understand, configure, and seamlessly adopt cloud deployment. This service analyzes business requirement and help in selecting the best cloud service provider globally and assist in deploying new connections, migrate data and application.

Benefits:

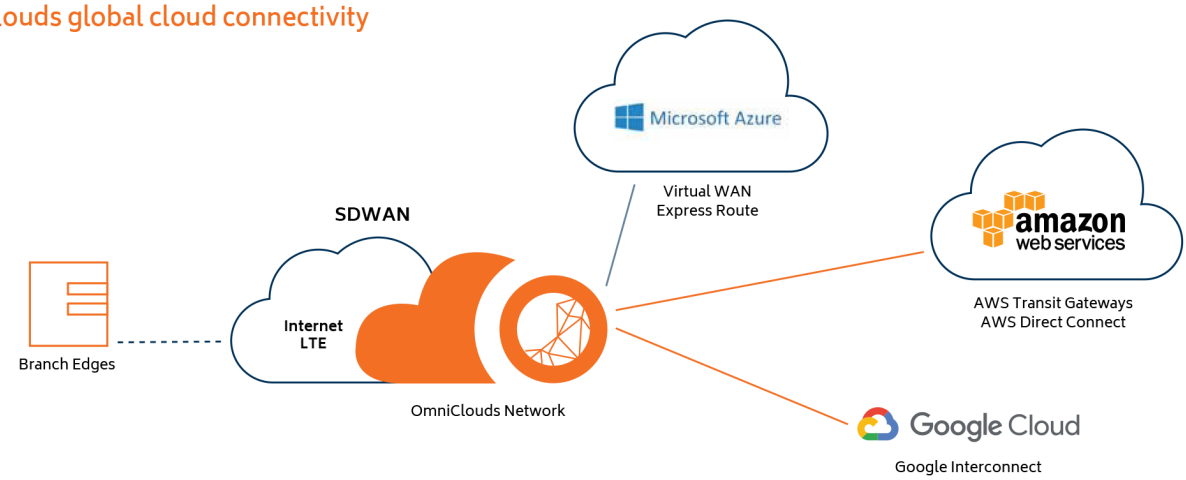
Automatic on-demand deployment, Network visibility, Improved Security using SDWAN and NGFW, Better performance, Low latency, and high reliability.

Summary:

OmniConnect assist you to connect your On-prem to virtual Data center in cloud, Implement On-prem to Cloud migration disaster recovery strategy, integrate applications, ensure end to end security using SDWAN/NGFW, monitor cloud connectivity and one-time migration assistant.

Schematic Representation:

Omniclouds global cloud connectivity



Components

- Underlay Infrastructure – POP presence globally
- Direct connection to various Cloud and SAAS application service providers
- OmniBranch – SD-WAN edge device and secure gateways

Use Cases

Startups' ecosystem has seen a multi-fold growth in recent years. Typical startups generally have limited upfront capital, unpredictable business growth, lack of IT expertise and flexible resource utilization. Hence, startups have distinct network prerequisites due to the specific nature of their operational model.

Following are the key IT requirements for startups:

1. Low upfront cost – to own IT hardware infrastructure such as storage, servers, laptop etc.
2. Higher flexibility – to scale up / down bandwidth as per business requirement
3. Ease of implementation – to be able to obtain one-stop solution for all their IT needs
4. Less IT expertise – to avoid having recourse to in-house teams to manage, maintain and monitor IT infrastructure
5. Full network visibility – to identify issues and provide consistent user experience
6. Option to work remotely – to be able to benefit from overseas team member expertise or contract part time employees / freelancers
7. Network security – to ensure protection against attempts of data theft, hacking etc.
8. Reliability – to ensure predictable performance while accessing data over internet to minimize downtime

OmniConnect along with the strong partnership with multiple cloud service providers addresses these requirements. OmniClouds understand the dynamic nature of businesses and have curated turnkey solutions to address their key priorities and their pain points. This helps startups to focus more on their core business, instead of working on IT infrastructure procurement and management.

- OmniConnect provides direct connectivity to most of the cloud service providers globally. This helps businesses get private connectivity with these cloud service providers and results in low latency, stable bandwidth, and higher throughput
- OmniClouds provides assistance to their customers to onboard the cloud and help them in building a virtual IT infrastructure
- OmniConnect provides a secure SD-WAN solution with next-generation firewall capability to ensure secure data access over internet. This helps remote employees to access theirvirtual desktops deployed in the cloud securely over the Internet from the comfort of their personal devices. Additionally, it provides network visibility (at the application level) and real time bandwidth utilization from the central orchestration platform
- OmniConnect helps in understanding various cloud computing technologies available. Moreover, OmniClouds' team provides initial training to understand and monitor network operations
- OmniConnect provides flexibility to increase or decrease bandwidth (5Mbps- 10Gbps) and storage capacity as per their customers' business requirements.
- OmniConnect avails a 'pay as you go' pricing option on a monthly subscription basis.

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