



OMNIBRANCH

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 a 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.

OmniClouds 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.

OmniBranch

OmniBranch allows you to manage, control, and view your entire branch network on a performance and security level, enabling strategic business decisions to eliminate predicted breaches/threats, on desired applications and/ or remove excessive junk on network traffic. This product can be utilised at a domestic or international level for the branch to branch or branch to HQ connectivity. This gives you the option to choose from either SD-WAN over the

Lower Connectivity Costs

SD-WAN can reduce ongoing operating expenses.

Higher Performance for cloud apps

With SD-WAN, new lines can be added quickly and easily to sites that need more capacity.

The OmniBranch solution provides a full set of integrated networking features (routing, SD-WAN, Ethernet, Wi-Fi) and security (NG firewall, secure web gateway, AV, IPS) functions managed through a single pane of glass. With this consolidated stack, enterprises can reduce their CAPEX and OPEX of their WAN and branch infrastructure while increasing IT responsiveness to their cloud migration and digital transformation needs.



Internet or SD-WAN over MPLS. This product is essentially utilised for enhancing the performance and security from branch to data center or branch to HQ connectivity. OmniBranch helps companies simplify their branch and WAN infrastructure through consolidating functions such as routing, SD-WAN, firewall, UTM and SaaS optimization into one secure platform.

Reducing Costs and Increasing Security with OmniClouds SD-Branch

Everyone acknowledges that SD-WAN can save money. SD-WAN continues to be one of the fastest-growing segments of the network infrastructure market, driven by a variety of factors. OmniClouds enables enterprises to simplify their WAN and branch by consolidating networking and security functions into a single software platform with a broad set of SD-WAN services, instead of deploying multiple hardware appliances and software packages.

Challenges with Traditional WAN and Branch Infrastructure

Enterprise networking and security teams often struggle with evolving their WAN and branch office IT architecture to support cloud transition and digital transformation. The requirements for the WAN are multi-fold: including the need to improve user experience when accessing cloud-based applications and resources. In addition, organizations need the visibility, control, and security so they can see users, devices, and applications being accessed.

Organizations expect:

- Increased agility of new site deployments
- Ongoing change management
- Better management of bandwidth requirements
- Simplification of appliance and software sprawl
- Overall reduction of WAN cost and complexity

Reduced Complexity and Cost

The need to simplify WAN management and control costs has given rise to the software-defined (WAN). Rather than manually configuring and managing all WAN devices, including those at remote locations, SD-WAN overlay architecture enables you to centrally manage WAN infrastructure through single interface. With SD-WAN, you can optimize PLS networks or utilise any other form of connectivity to the best performance level with guaranteed SLA's.

Increasing bandwidth at branch locations can be expensive and time consuming. SD-WAN can be composed of any combination of; 3G/4G LTE, MPLS, DSL or satellite services allowing for quick installation better optimize the outcome value of the connectivity.

OmniBranch minimizes the complexity of appliance and software sprawl in the branch office using a software-based approach to integrate networking and security functions onto a single platform. OPEX is greatly reduced as truck rolls for installation and upgrades are eliminated, hands-on administration and troubleshooting is minimized through single-pane centralized management across all services, and system scalability is assured without hardware refreshes.

Increase IT Agility

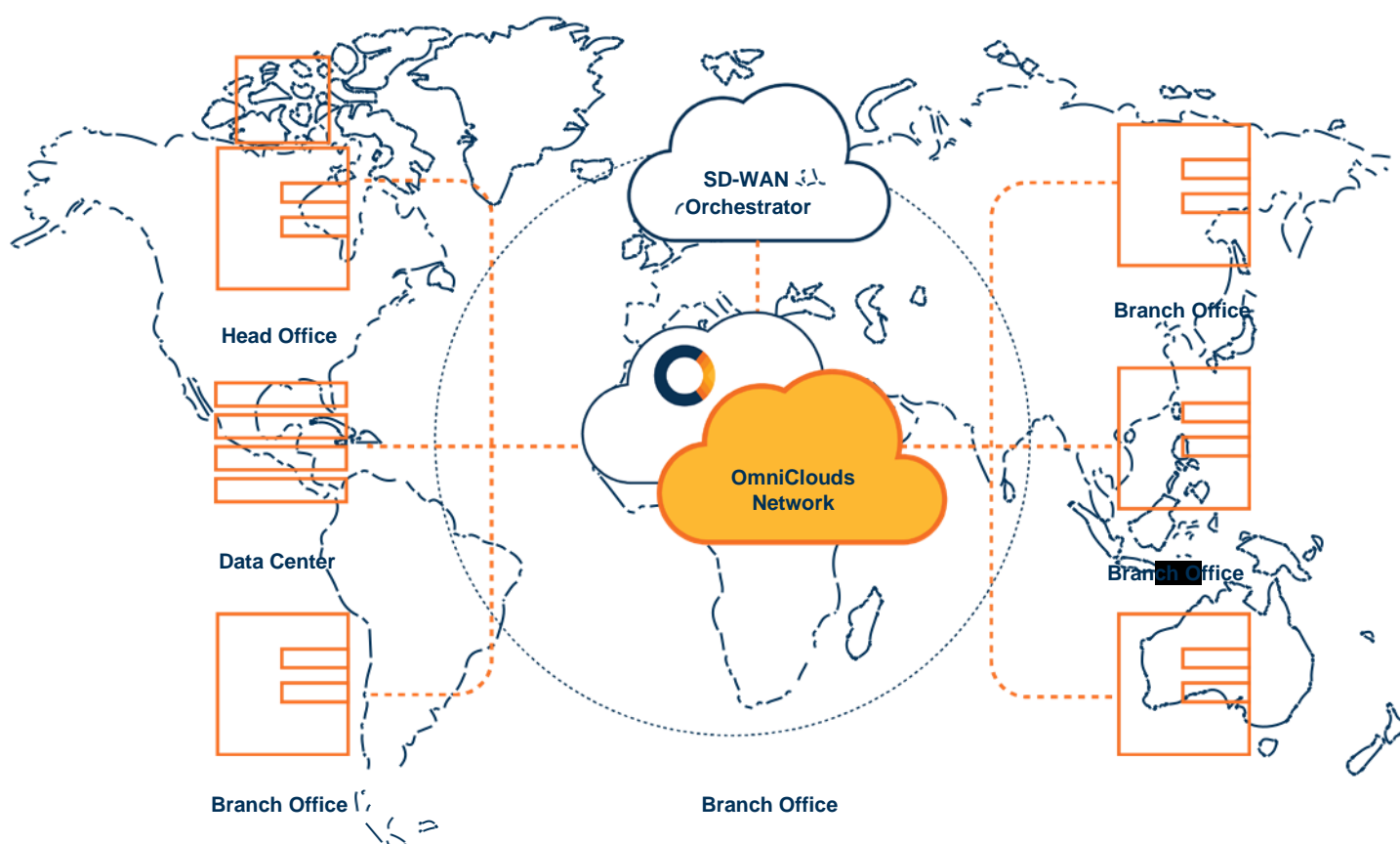
By moving to a software approach, businesses will realize greater network agility. SD -WAN allows businesses to accommodate heightened traffic from mobile applications,

video and cloud computing, while limiting resources required to run and manage the network. This means that SD-WAN is lowering the complexity of running a network while simultaneously improving agility and efficiency. OmniBranch transforms formerly rigid network and security functions into an agile software-based environment that enables IT to rapidly provision new sites, dynamically add new third-party services, and seamlessly scale capacity.

Better Branch Security

A unique differentiator for OmniBranch, has an increased security at each branch office. Many enterprise branch offices do not have proper security in place even adhering to the strict policies recommended by modern firewalls. The right SD-WAN solution makes internet connections secure and reliable by creating encrypted tunnels between every site in the SD-WAN (for interbranch and branch-to-headquarters traffic). With OmniClouds, edge-to-edge, encrypted tunnels and a stateful firewall, a secure SD-WAN solution can prevent unauthorized outside traffic from entering the branch.

OmniBranch provides a wide set of advanced security functions that deliver layered protection and access control. Each security function is service-chained and all the networking functions, provisioning, policy setting, and operations are far simpler than using piecemeal, standalone security devices or software packages. By combining your SD-WAN branch solution with robust security, you can achieve a consistent and secure application-level protection that can all be visible and controlled through a single pane.



Capabilities:

Following are the list of features supported by OmniBranch:

- Multi-Tenancy/Segmentation orchestrators - Support for multiple tenants or business units.
- Network Function Virtualization (NFV) - Support virtualization using different models of white and grey boxes.
- Service chaining - To use centralized services like hub security appliance for a certain type of traffic.
- Multiple Topology - Full mesh, Hub and Spoke

Security	SD-WAN
NG-Firewall (NGFW)	ZTP
DoS Prevention	Dynamic IPSec
Device Authentication	Carrier-grade NAT
User & Group Authentication	Application ID
IPSec	Application PBF
CGNAT	Application QoS
HTTP / SSL Proxy	Application TE & SLA
DNS Security	SDWAN Fabric Traffic Management
URL Filtering	Probes, Inline Measurements
Web & IP Feeds	FEC
Malware Protection	Packet Cloning
IPS-IDS	Packet Striping
Anti-Virus	MOS Score
File Filtering	DIA and SaaS Traffic Optimizations
Visibility & Analytics	Built-in Security Routing – L3VPN, MP-BGP
CASB	

Solution components or Hardware

- OmniBranch Edge CPE device:
- OmniClouds Orchestration Platform – Managed by OmniClouds or available to install at Organization Data centre

Product	Interface	Security	Bandwidth
OmniBranch	W/o LTE & WIFI LTE1 LTE+WIFI WIFI LTE1 +LTE2 + WIFI	None NGFW NGFW+AV NGFW +IPS NGFW+ IPS +UTM	1000,500,100,200 ,50 ,25 ,10 ,5 Mbps

