MANAGED SD-WAN

Overview Document

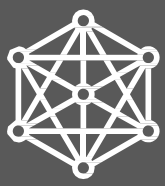
NE-WAN

NE-WAN (Managed SD-WAN) is our flagship offering which delivers SD-WAN suite of NE-Controller, ZTP, NE-Orchestrator and NE-Analytics Engine along with End-to-End SLA Management.

NE-WAN simplifies the concepts of a software defined networking stack with vast array of customizable features which helps accelerate customer journey to the data cloud transformation.

Nesecure prides itself with its in-house, indigenously developed application which has all the vital, requisite capabilities for network automation and digital transformation.

Traditional SD-WAN Challenges



Carrier Dependent

Limited Scalability

No SLA Management

Partial Support for Multi-Cloud Platform

Limited rural support.

Discrete Security

High Capex cost

Low Customization

High Implementation Cost & Low ROI

Introducing NE-WAN (The Managed SD-WAN)

Carrier Agnostic

End to End SLA Management

Maximum Scalability

True Support for Multi-Cloud Platform

Bolted Security

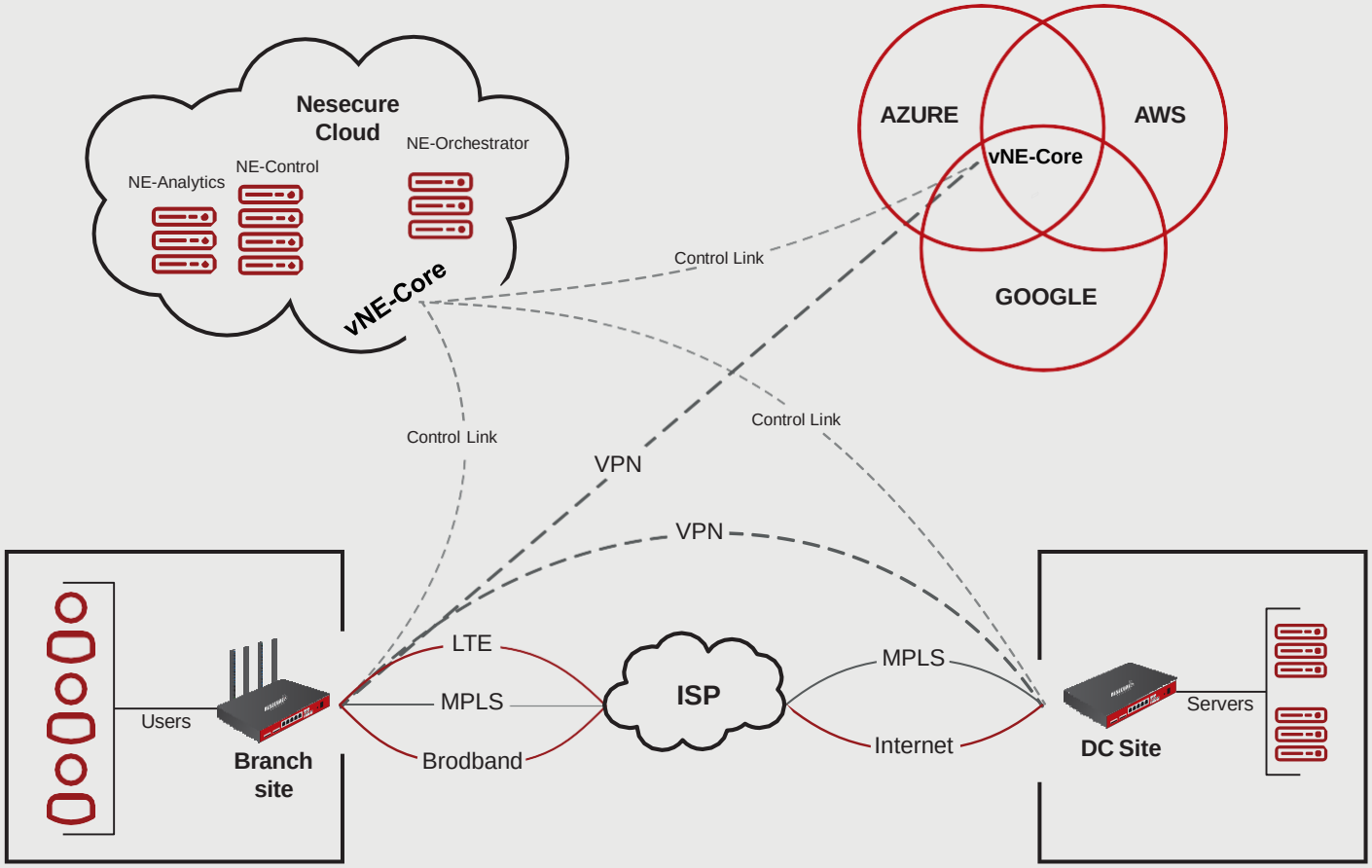
70% + Rural Coverage.

Zero Capex Plans

Plug n Play Delivery to Maximize ROI

Fully Customized

NE-WAN Architecture



NE-WAN (Managed SD-WAN)

Multi -Transport

Current network feasibility and scalability challenges forces organisations to opt for multiple options of last mile as a transport layer. SD networks are expected to ride over heterogeneous WAN set ups and bring in seamless integration of MPLS, Leased Lines, broadband, 4G/LTE.

WAN Aggregation

Wan Aggregation feature enables the software defined edge appliance to combine multiple stream of underlay networks into a thick overlay pipe delivering superior performance for RTP, VOIP and video apps.

Dynamic Path Selection

SD-WAN path selection provides a foundation for link redundancy and failover. When the WAN becomes virtualized, multiple links of any type become a single overlay network, with the entire aggregated bandwidth managed and segmented based on business policies. The SD-WAN solution can also conduct path selection & monitoring.

Dynamic traffic engineering and application-specific link selection can be based upon:

- Local SD-WAN traffic steering policy configuration
- Local application QoS configuration
- Access circuit state and status - Latency, jitter and packet loss

Bolted Security

Networks are complex and with an ever evolving hacker universe, data safety and network hygiene have become the biggest pain in network management. VPN overlay, rotational encryption, stateful firewall, anti-DDoS and URL filtering helps mitigate cyber security threats.

Zero touch provisioning (ZTP)

ZTP allows the hardware to be installed directly into the environment and for that act to be the last hands-on moment. The NE-WAN Edge appliances are built considering ready to deploy model for remote sites. Automation steps involved help compound saved time across delivery of maximum locations.

Inventory Management

Powered by automated discovery, it becomes simple to keep records of the network resources.

Monitoring and Management becomes easy by keeping proper records.

Network Monitoring

Bandwidth Monitoring, Consumption patterns and link hygiene check are key factors for network upkeep. Network monitoring helps infra team to match up-to network SLA achievements.

Central Configuration Management and Backup

Any network demands standardization as a precursor activity prior to moving towards automation. A central configuration management and backup of configuration enables the organizations to achieve easier/quicker troubleshoot and emergency roll back or restore.

Compliance and Audit Logs

Any planned activity in network are generally captured by contemporary existing systems however any dynamic or ad hoc based changes go unnoticed, compromising security and may disturb the overall network functions. Audit logs provide exact pin point details of any changes made through SDN. The audit reports augments the infra team's effort to submit compliances as per industry standards.

Multi Layered - Multi Tenancy

NE-WAN platform enables multi tenancy architecture in network operations where team can configure and manage multi-tenants in a single application instance. Organisation policies may define each tenant's network having specific needs to be isolated from each other. This segregation enables logical separation in its control plane.

Role Based Access Control (RBAC)

NE-WAN provides a role based access control mechanism enabling the super user/admin to define roles and privileges for the authorized users. Network security policies of many organizations demands restricted user access. RBAC is the key for monitoring user assignment & privileges.

Brief Introduction of Nesecure Networks Pvt. Ltd.

Nesecure has rapidly deployed 21,000+ managed VPN Links across the geographic terrain of India, and indigenously developed Managed SD WAN and NE Mile (Last Mile Management) to improve connectivity at rural touch points.

NESECURE

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