MAYA SD-WAN

Innovative solution developed by ULAK HABERLEŞME with the Software Defined approach to make Wide Area Networks more secure , easy managable and cost efficient.

MAYA SD-WAN COMPONENTS

MAYA SDN Controller: Provides management for all MAYA vEDGE and SD-WAN Gateways associated with controller.This includes activation, configuration and pushing down the policies.

MAYA ZTP Server: Allows MAYA Edge devices to be configured and provisioned automatically while reducing manuel overhead and cost.

MAYA BIG-DATA Platform: Provides analytics capabilities to enable networks gain better visibility by collecting, storing and analysing whole network metrics

MAYA vEDGE: Physical CPE device resident on the customer premises and hosts Virtual Network Functions which is managed by MAYA Controller. vEdge initiate or terminate SD-WAN tunnel over different types of underlay networks (such as DSL,LTE,MPLS)

MAYA SD-WAN Gateway:

Physical device resident on the central networks which terminates and initiates large number of SD-WAN tunnels to enable site interconnectivity. SD-WAN Gateway also managed by MAYA Controller and provides more resources (processing, networking) to forward high network troughputs.

KEY TECHNOLOGIES

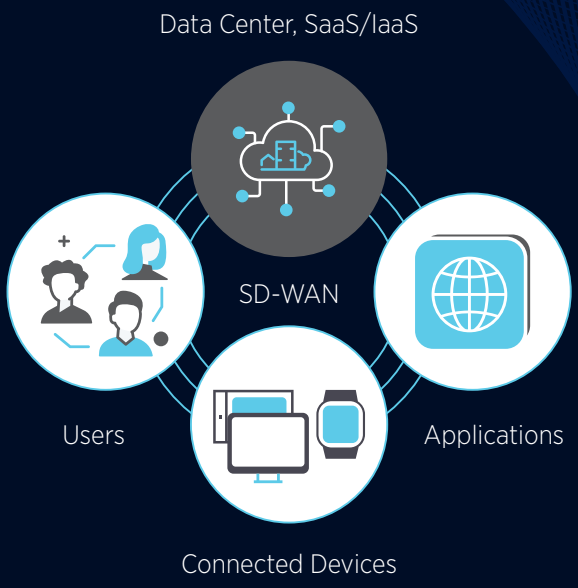
- ETSI/NFV Compatible Architecture
- Carrier Grade & 5G Ready Control Plane
- OpenFlow 1.3 , 1.5 support
- Intel DPDK for dataplane accelaration
- OVSDB, NetConf, YANG, JSON-RPC, REST APIs
- Control Plane High Availability and Scalibility
- MEF CE3.0 SD-WAN Standarts Compatible

CENTRALIZED MANAGEMENT

MAYA SD-WAN allows WAN management to be completely centralized and simplified. By assigning network and security policy templates to multiple sites , you can easily apply changes to multiple sites at once.Zero Touch Provisioning (ZTP) enables site deployments in a few minutes. Full network visualization features simplify operation & management.

NETWORK ABSTRACTION

MAYA SD-WAN creates a managed overlay network with centralized control to transforme WAN into an intelligent and automated construct that increases scalability, service agility, and decreases operational complexity and cost.



NETWORK AUTOMATION

MAYA SD-WAN provides centralized management, control and orchestration of overlay tunnels with automatic configuration of vEdge devices. ZTP enables subscribers to self-install CPE by simply pluging the cables.

PROGRAMMABILITY

MAYA SD-WAN provides API driven programmability features of networking functions. Both Software Defined Networking (SDN) and Network Function Virtualization (NFV) are at the core of this approach which promises more agile networks.