

INFINXT SD-WAN CONTROLLER

Controller is a centralized system which is responsible for all the CPE monitoring, management, configuration, intelligence and policies. It can either be a cloud-hosted controller or an on-prem controller placed at a customer data center. The controller supports multi tenancy that helps MSPs in providing SDWAN services to various customers and manage them through a single dashboard. Controller comprises of the following components:

Configuration Engine

- Manages the end-to-end life cycle for the CPE
- Communicates with the CPE on control plane
- Carries only management and configuration specific traffic

Authentication Engine

- Authenticates CPE with the ZTP server through PKI
- Role-Based Access Control
- Logical separation and multi-tenancy of the controller

Analytic Engine

- Monitoring health KPI of various components
- Store data into a time series database for further analytics.
- Leverages real-time telemetry to provide real-time analytics

Crypto Engine

- Maintains the security associations between the CPE and controller
- Maintains tunnel identifiers for CPE connected to controller
- Responsible for tunnel establishment from CPE to controller
- Maintains security associations between CPEs on Infinxt VPN



API Engine

- Share controller functionalities to CPE's south bound direction
- Share controller functionalities to Other OS's systems in north bound direction
- Controller user interface Communicates to API engine to issue the commands
- Produces API end points to be consumed by other services.

Hardware Requirement

- Product SKU: Infinxt-CRTLRL
- Deployment Mode: On - Premises
- Appliance model: Virtual Machine
- Core: 8
- Memory: 64Gb
- HDD: 1Tb
- Interfaces: 2 X 1Gbps
- Hypervisor: Esxi / Hyper-V

