INfInxt

THE NEXT GENERATION SD WAN

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 controllersupports 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-CRTLR
- **Deployment Mode:** On – Premises
- **Appliance model:** Virtual Machine
- **Core:** 8
- **Memory:** 64 Gb
- **HDD** 1Tb
- **Interfaces** 2 X 1Gbps
- **Hypervisor:** Esxi / Hyper-V

Class Leading Streaming Telemetry

Infinity labs