ACG RESEARCH

VENDOR SNAPSHOT

FRINX

Frinx.io

FRINX

PRODUCTS AND SERVICES

- FRINX Machine is a software platform for service and network element configuration. It is based on open source and includes the UniConfig Framework for workflow management, inventory and interface toolkits and libraries for multivendor SDN and non-SDN-enabled network elements.
- Automates network services, mass configuration, self-service & health checks.
- Provides automation of access and core network transport equipment deployment for switches, routers, and wireless equipment.
- Provides device and topology discovery and service reconciliation for brownfield networks.
- Implemented with RESTful APIs. Work with NETCONF/YANG and CLI interfaces of multiple vendors.
- Includes workflow builder based on *Conductor* Netflix open source software. Used to create workflows of microservices for validation and configuration of network devices and services. Ships with a set of pre-built workflows and provides a validated crowd-sourced library.

KEY STRATEGIES

- Use open source software technologies, especially those developed by web-scale players, to provide to CSPs advanced network automation of provisioning via an advanced domain control system.
- Current focus is on configuration of transport: IP/MPLS, Ethernet L2/3, VPNs, wireless and SD-WAN including cable DAA technology.
- Reference implementations include:
  - Layer 2/3 VPN Provisioning for 20,000 customer circuits
  - IP/MPLS Core & Metro Ethernet for Cisco, Dasan, & Juniper
  - Metro Ethernet Business Services for Cisco, Ciena, & Juniper
- Support SDN with YANG/NETCONF interfaces, provide model-driven adapter for non-SDN network elements for software-driven control.

Key Customers

Softbank
Vodafone
Ziggo
Facebook

FRINX provides network automation software for workflow, inventory, and network configuration control for heterogeneous physical/virtual networks and clouds.

Founded
2016
Private

Ecosystem

- Ciena, Cisco, Huawei, & Juniper NEs
- NETCONF/YANG & CLI enabled network elements

Bratislava, Slovakia

ANALYSIS

- FRINX is a small software company with good credentials and very credible reference implementations. It makes use of the latest in software technologies from the Telecoms and Web-Scale companies, including open source components, cloud native architectures, and intent-based networking. It captures the network infrastructure as code.
- It has several reference implementation in its primary areas and is engaged in a number of POCs in advanced areas.
- FRINX's focus is on network configuration, but capturing telemetry for fast-changing configurations will be required in the future, putting FRINX into the service assurance arena to create a full multivendor Domain Controller.