Nominee: Anuta Networks

Nomination title: NCX: Virtualization for Existing Multi-Vendor Network Infrastructure

Anuta NCX is a proven industry leading network virtualization solution designed for service providers and large enterprises. NCX abstracts and virtualizes existing multi-vendor physical and virtual network infrastructure from vendors such as Cisco, Citrix, Juniper, Brocade, F5, Fortinet, Radware and VMware etc and integrates with a variety of cloud portals to enable dynamic self-service network provisioning.

Anuta NCX has been shipping in EMEA from January 20th, 2014.

NCX unique features:

Network Service Designer: Easy to use drag and drop capability enables business managers and architects to design network services for catalog based network offerings.

Service Orchestrator: NCX has the ability to orchestrate from L2-L7 on physical, virtual, and hybrid multi-vendor network infrastructure and topologies, including VXLAN based overlay network.

Service Monitoring and Capacity Management: NCX continuously monitors network devices for health, resource utilization, capacity, and alarms. This allows the operations team to actively understand the underlying capacity within the network. It enables troubleshooting by mapping infrastructure events to service affecting alarms.

VNF Life Cycle Management: NCX delivers VNF instantiation, placement, image management, service definitions, provisioning, commissioning and decommissioning. NCX orchestrates multi-vendor VNFs such as Cisco CSR1000V, Cisco Nexus 1000V, VMware DVS, Citrix NetScaler VPX, F5 BIG-IP, Riverbed Steelhead, Juniper vSRX and Juniper Firefly.

Extensible Network Services (EnX): Enables customers and partners to develop their own device, service and operational models using YANG. EnX South Bound Extensibility includes basic device models, network operations and notifications. EnX North Bound Abstraction provides normalized network service operation model for major functionalities including Firewall, ADC, and VPN etc.

Cloud Portal Integration: Anuta NCX also integrates with cloud management portals such as VMware's vCloud Director, OpenStack, CloudStack and customers' home grown portals via a REST API. All the functionality within NCX is accessible via the REST API, allowing easy integration into other systems such as billing, documentation, ticketing and self-service portals.

Performance and Scale: NCX's distributed architecture offers the highest performance and scalability. NCX has been tested to scale up to more than 50,000 devices across 50 data centres.

Customer Benefits:

REVENUE: Service providers can use NCX to offer highly differentiated network as a service, thus generating new streams of revenue. Enterprises can use NCX to accelerate application deployment thus increasing business agility.

EFFICIENCY: By virtualizing network resources into logical functions, organizations can benefit from lower Capex and OpEx.

ON DEMAND: NCX offers tremendous business agility with its on-demand model of network service creation.

SERVICE ASSURANCE: NCX monitors, collects, and analyzes performance, health, capacity, and availability information from disparate devices. This service level information helps to meet the business SLA.

MULTI VENDOR: One of the key benefits of NCX is device abstraction. This allows customers to leverage best-of-breed vendor devices for their network and avoid vendor lock-in.

Maximize ROI / ROA: As Anuta Networks solution works for existing physical network infrastructures, customers can continue to use the devices they have already purchased and still get complete network agility. This results in incredible ROI and ROA.

Sample Deployments:

1.   A large European Bank is evaluating Anuta NCX solution to enable their internal IT to deliver IT aaS. Their objective is to shorten the time to delivery from few weeks to few days down to few hours. Automating their multi-vendor networks will also improve their quality of service avoiding too many manual operations.

2.   A large European SP delivering private cloud to enterprise is willing to optimize costs for more competitiveness, they are testing our solution with a focus on reducing significantly their OpEx by ½.

3.   A French partner specialized in network services for top enterprises tested our solution. Their objective is to help their own customers to move towards Cloud and therefore automate their complex multi-vendor networks environment. They tested several solutions but at the end really liked the simple user interface based on icons (FW, LB, VLAN,) and the fact that NCX is not an overlay solution.

4.   Tier 1 EMEA Telco Service Provider undertaking extensive testing of NCX to help reduce network operational costs, respond faster to customer change requests and deploy new services quickly. In each case using automation to reduce the risk of manual error.

5.   Global Service Provider in the Netherlands considering Anuta NCX to deploy and manage a customer's world-wide branch network

6.   One of the world's largest software makers and Fortune 100 Company is evaluating Anuta NCX to simplify and automate the provisioning of Data Center services for their external customers while driving down operational expense.

Supporting Quotes:

Service providers and large enterprises face a key challenge of service orchestration for their multi-vendor networks. In order to solve this, the industry has to come together and create platforms and open frameworks. In my 15+ years of experience in the industry, we are now moving from silo architectures into open and flexible platforms and architectures. I am very pleased to see that Fortinet and Anuta Networks have collaborated to provide such a platform for KPN.

- Clements Radenborg, Program Manager, KPN Networks

Anuta Networks and FjordIT are bringing innovative Network Services offerings to the Nordic Markets. At Fujitsu Norway, our key focus in bringing new technologies that can help customers achieve more efficiency and reliability in managing their networks. We are looking forward to our collaborative approach and partnership in bringing this key technology to our enterprise customers.

- Tor Arne Rømma, Sr. Network Architect, Fujitsu Norway.

As a leader of sustainable data power services, Fjord IT is very selective about the technology partners we work with to deliver innovative, high-performing solutions for our global enterprise customers. This strategic collaboration with Anuta Networks enables us to utilize its NCX Enterprise platform to securely and rapidly deliver industry-leading network services, and with faster business value for our enterprise customers.

- Helge Gallefoss, CEO and Founder, Fjord IT.

Ability to deliver shared network services rapidly is extremely critical for us. We went through multiple vendors and discovered Anuta's NCX which is an excellent Network Services Virtualization product to deliver network services to 60000+ Students, Faculty.

- Sean Wang, Network Architect, University of British Columbia

Why nominee should win

Enterprises and Service Providers clearly see the need to accelerate their network services and there are many solutions that help them build the network from scratch. However, they made enormous investment in best of breed networking infrastructure from multiple vendors that they can't afford to throw away. And, they can't rely on niche players who accelerate network services for a specific use-case or vendor.

Anuta NCX is the only solution that delivers network service virtualization for existing multi-vendor physical and virtual infrastructure and orchestrates all the use-cases including Data Center, Campus/Access, Branch/WAN, Service Provider IP/MPLS Edge, Virtual CPE and NFV.