anuta networks NCX DATA SHEET EXTENSIBLE NETWORK SERVICE AUTOMATION WITH YANG MODELS Network · Complex multi vendor network automation NCX NCX enables customers and partners ٠ delays time to market. to develop their own device, service Solution Service

Automation

Challenges

NCX Features • IETF YANG based device & service models · Vendor agnostic storage of nework configuration parameters

standardization of network information and

· Multiple disjointed automation tools miss

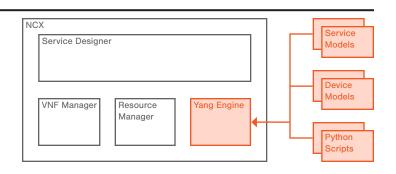
critical service-level awareness.

- · Auto-generated UI for service and device models
- Model driven graphical service designer
- · Atomic transactions with commit/rollback
- Hybrid (PNF+VNF) service chaining

· Lack of data model prevents

increases OPEX.

- Northbound integration using RESTCONF
- · Southbound device communication using CLI, API, SNMP and NETCONF



and operational models to match their

NCX uses an extensible, IETF YANG

based model-driven configuration and

NCX's rich API enables thousands of concurrent CRUD operations of any configuration on hundreds of devices.

service management engine to manage

service delivery needs.

multi-vendor devices.

| NCX Benefits | Deploys network service configs to multiple vendor devices within minutes. | Automates day-0 config tasks and zero touch deployments. Includes configs as per best practices. | Service Models | MPLS L3VPN, L2VPN, Routing - OSPF, ISIS, BGP, BGP route and peering policies, Prefix- lists, Route policies, ACLs, Firewall Rules, Day-0 operations such as NTP, SNMP, DNS, DHCP, HSRP, VRRP, IPSec VPN, Interface config, IPAM |
|--------------|--|--|-------------------|---|
| | Comprehensive capacity and resource management including device inventory, configs, OIDs & MIBs. | RESTCONF compliant interface for NCX data model enables tight integration with other NMS. | Device Models | L2-L7 devices from major vendors including A10, Alcatel-Lucent, Arista, BlueCoat, Brocade, Checkpoint, Cisco, Citrix, Ericsson, F5, Fortinet, HP, Hitachi, Juniper, Palo Alto, Radware, Riverbed, VMWare etc |