CHANGE YOUR VIEW OF THE NETWORK.
Your network has never been more complex. You have wonderful, rich data, but it's locked in silos. You have astounding, new technologies, but they're expensive to integrate and require yet another set of applications for your network and service operations teams to master. Customers are demanding more services but also expecting more from the services they get.

What if you could visualize your complex, multi-domain, hybrid network, its services, fault, and performance—end-to-end, in context ... differentiate on service quality of experience (QoE) with real-time operations tools...and speed operations and close the loop between service QoE and network infrastructure? All on a single pane of glass.

Make your network simpler with CENX.

CENX empowers your network and service operations teams. The software de-silos, ingests, and correlates all your network big data continuously to build a trusted model of the network’s inventory and service topologies, overlays the model with real-time fault and performance analytics, and visualizes it all in a single pane of glass.

- **Visualize** service topologies in context with network inventory, service state, and performance analytics, across multi-vendor, multi-domain networks and hybrid physical and virtual network infrastructure. Change your view of the network.
- **Speed** interactive problem resolution and root-cause analysis. Improve customer handle time, triage, MTTR, and other service operations KPIs. Explore and resolve persistent service performance issues. Ensure vendor partners are meeting their service level agreement (SLA) requirements. Move as swiftly as the network.
- **Automate** and assure service quality by closing the loop between service QoE and network infrastructure. Automate completion of routine processes and tasks with recipe-based workflow orchestration. Forecast utilization and performance over time and reduce opex by implementing a Just-In-Time approach to capacity. Tell your network to fix itself.

CENX Continuous Data Audit correlates and corrects network inventory and service state, and performance analytics, across multi-vendor, multi-domain, hybrid network, its services, fault, and service topologies in context with network inventory, service state, and performance analytics, across multi-vendor, multi-domain networks and hybrid physical and virtual network infrastructure. Change your view of the network.

**Searchable topology visualization with fault and performance in context**

**Real-time, at-a-glance analytics**

**Powerful dashboards and reports**

**Detailed, historical analytics for rapid, on-screen correlation**

**What if you could**

**SEE EVEN THE MOST COMPLEX SERVICES IN THE NETWORK END-TO-END, IN REAL TIME, ON ONE PANE?**

**VISUALIZE COMPLEX, MULTI-DOMAIN SERVICES AND SEARCH MILLIONS OF NETWORK ENTITIES IN REAL-TIME.**

CENX’s Service Visualization enables network and service operations teams to visualize service topology, customer impact, and quality of experience intuitively and quickly. The module provides browse and search of map-based and logical views of the service topologies and at-a-glance analytics.

**ELIMINATE COSTLY ONE-OFF INVENTORY AUDITS AND ACCELERATE SERVICE TURN-UP WITH ACCURATE INVENTORY.**

CENX Continuous Data Audit correlates and corrects network inventory and service topology data from disparate sources to create a single trusted source of inventory and service data. The module features flexible audit rules, automated import, and extensive auditing history.

**IMPROVE INVENTORY ACCURACY BY 70% AND IMPROVE SERVICE TURN-UP TIME BY 80%**

CENX Automated Reconciliation improves data integrity by repopulating inventory systems with the data that Continuous Data Audit corrects. Eliminate manual processes with automated user-driven reconciliation.

**ANALYZE 3,000,000,000 ANALYTIC METRICS A DAY**

CENX Network Analytics provides the hyperscale, real-time and searchable topology visualization with fault and performance in context. What if you could visualize your complex, multi-domain, hybrid network, its services, fault, and performance—end-to-end, in context ...

**WHAT IF YOU COULD**

**SEE EVEN THE MOST COMPLEX SERVICES IN THE NETWORK END-TO-END, IN REAL TIME, ON ONE PANE?**
Old technologies are vendor-specific. New technologies are coming to market faster than ever before. CENX ingests, audits, and contextualizes all your network big data, enabling you to take advantage of your current systems while you transform your network. Visualize, assure, and automate across software-defined networking and network function virtualization, small cell, wavelength services, cloud services, IoT, Carrier Ethernet, IP-MPLS, and a range of complex topologies (e.g., ring and mesh). **Scale as your network scales.**

**MAKE THE MOST OF YOUR CURRENT INVESTMENT WHILE TAKING FULL ADVANTAGE OF NEW AND EMERGING TECHNOLOGIES**

**1. INSTRUMENT NETWORK**
- Monitoring Flows
- NE Data Feed
- Monitoring Data Feed
- Network Elements
- Monitoring Elements

**2. COLLECT DATA**
- Inventory Systems
- Fault/EMS Systems
- Monitoring Systems
- Cloud Systems

**3. REAL-TIME VISUALIZATION OF NETWORK**
- **Visualize services end-to-end**
- **Consolidate data from multiple OS-S/BSS & compute infrastructures across the organization**
- **Correlate alarms and events quickly to sectionalize faults including NFV infrastructure**
- **Analyze key operational data in real time**

**TECHNICAL SPECIFICATIONS**
- Operating system — Red Hat Enterprise Linux 6.6
- Physical hardware — COTS hardware (virtualized environment) such as Intel-based CPU architectures, AMD; server with minimum 8 cores (not virtualized)
- Virtual machine environment — VMware ESXi V6.5+
- Supported clients — Google Chrome
- Supported APIs — REST, Corba, SNMP, SOAP/XML, and TL1

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cenx.com  info@cenx.com

cenx.com  /cenxinc

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