

cenx

CHANGE YOUR VIEW  
OF THE NETWORK



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OF THE NETWORK.**

# YOUR NETWORK JUST GOT SIMPLER.

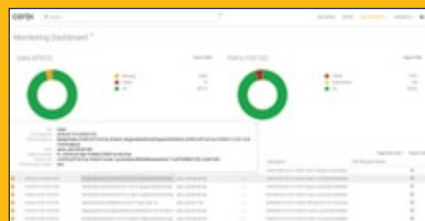
Your network has never been more complex. You have wonderful, rich data, but it's locked in silos. You have astounding, new technologies, but they're expensive to integrate and require yet another set of applications for your network and service operations teams to master. Customers are demanding more 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.**



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



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



**Powerful dashboards and reports**



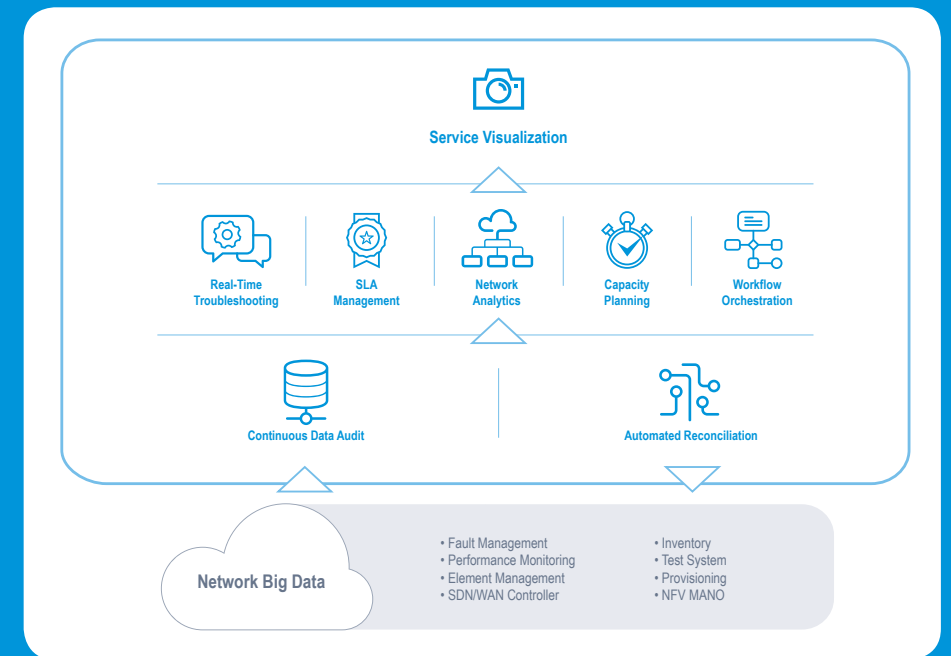
**Detailed, historical analytics for rapid, on-screen correlation**

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.**

# A MODULAR SOLUTION

Needs evolve. CENX's modular architecture provides solutions that meet the specific and evolving needs of service providers.



## 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 by user-driven reconciliation.

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

CENX Network Analytics provides the hyperscale, real-time and historical analytical power that complex, multi-domain networks require. Explore correlations between capacity, utilization, fault, and performance data in a single pane.

### REDUCE MOBILE BACKHAUL TRIAGE TIME BY 90% AND ENTERPRISE TRIAGE BY 70% AND REPAIR TIME BY 50%

CENX Real-time Troubleshooting enables network and service operations personnel to assure service QoE in real-time. Isolate faults across on- and off-net segments. Find and fix problems faster than ever.

### MANAGE NETWORK PERFORMANCE AND SERVICE LEVEL AGREEMENTS (SLA) IN POWERFUL, VISUAL DASHBOARDS

CENX SLA Management enables service providers to optimize network performance and better manage customer and access partner SLAs with sophisticated, historical, and predictive analytics, reports, and dashboards.

### UNDERSTAND PERFORMANCE, UTILIZATION, AND CAPACITY ACROSS COMPLEX SERVICES IN A SINGLE PANE

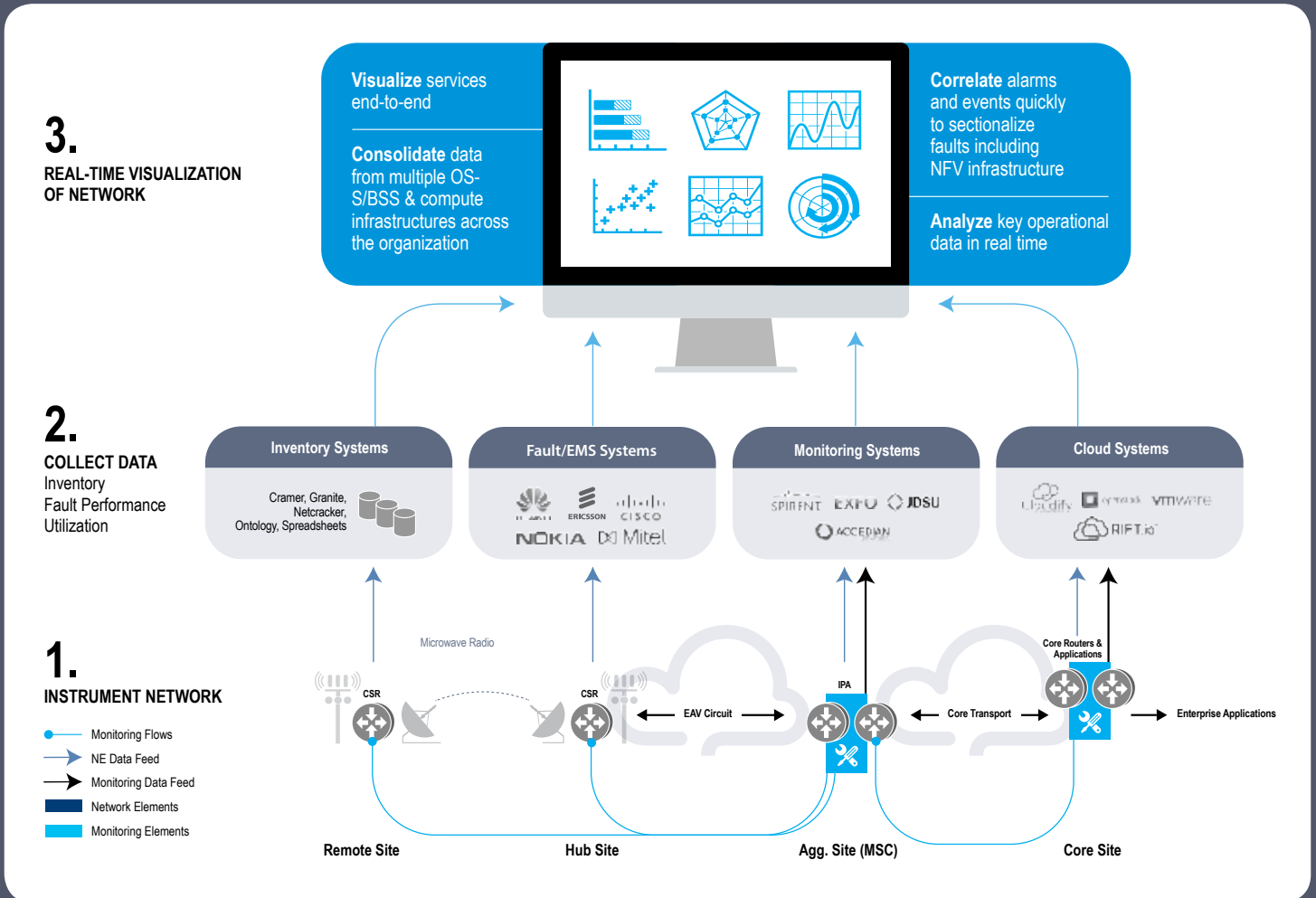
CENX Capacity Planning enables service providers to reduce capex and opex with a Just-in-Time approach. Understand service QoE and upgrade implications associated with each service. Drill down to specific segments to understand performance in detail.

### ORCHESTRATE ROUTINE PROCESSES AND CLOSE THE LOOP BETWEEN SERVICE QUALITY AND NETWORK INFRASTRUCTURE

CENX Workflow Orchestration enables service providers to streamline error-prone manual processes, speed time to market and time to resolution, improve customer experience, reduce opex.

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

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.**



## 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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