

CROSS Single Inventory

Complete OSS platform based on dynamic, universal inventory

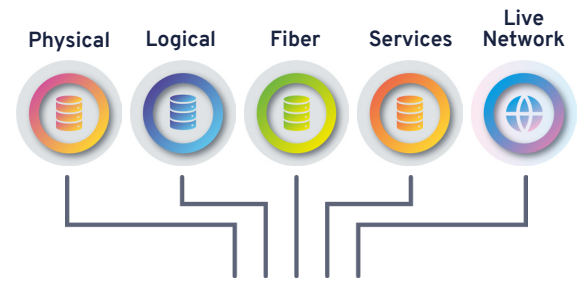
Fully integrate network layers into a single source of truth to boost operational efficiencies, enable automation, and reduce time to sell, plan, build, and fix.



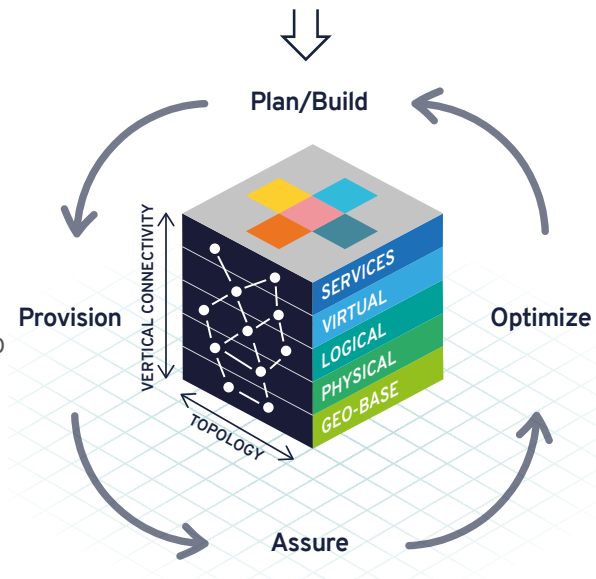
01 Build a single, end-to-end model of the network

CROSS synchronizes with systems holding parts of the overall network inventory, joins them into a coherent single point of truth, and provides a platform for deploying and managing resources over the network infrastructure.

CROSS will then further ingest other data sources; for example, from the live network, other OSS for active equipment, or even excel data sheets with inventory information to create a fully horizontally and vertically linked database, resulting in a single source of truth for the network at all physical, logical, and service layers.



Building a single coherent data model
CROSS Integration Methodology



02 Boost B/OSS efficiencies with deep insights

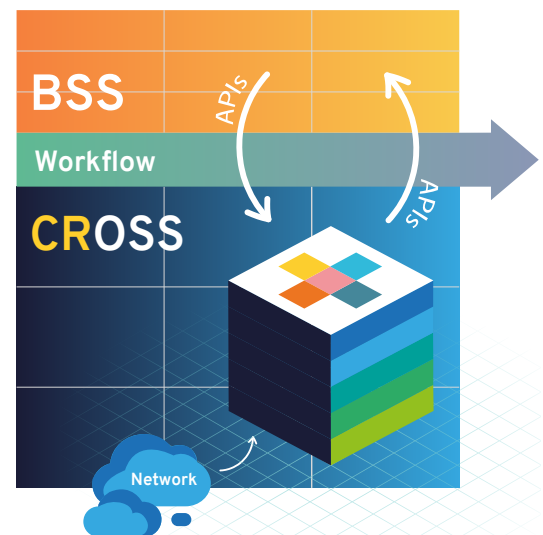
Once built, the CROSS data model is combined with a configurable, web-based OSS platform, complete with modules and planning tools to support operational processes, such as service provisioning, planning and network creation, and assurance (service, network, revenue).

Unlike federated solutions, CROSS integrates all the layers, allowing for richer functionality based on deeper insights, such as tracing or path calculation, creating a circuit across all logical and physical layers. It can also help drive impactful revenue assurance, for example, by optimizing operational costs, such as on-site electricity consumption.

03 Enable Automation with APIs

Through its REST-based Open API, CROSS can then be coupled with BSS solutions, such as Order Management, CRM, or Trouble Ticketing, to create seamless workflows for order and service management.

By integrating with the wider B/OSS environment, CROSS can help networks move toward zero-touch service provisioning and unlock more advanced transformational objectives, such as scalability, data integrity, and reliability, resulting in overall cost savings.





How can CROSS help?

Business Cases

- Consolidate Inventory & Network Data**
Ingest and unify multi-domain, multi-vendor inventory and network data from any system or spreadsheet.
- Reduce Operating Costs & Boost Service Revenue**
Retire or maintain existing systems as needed; optimize capacity (i.e. electricity consumption) or leased contracts, and enable pre-sales to quote new services accurately and faster.
- Shorten Time-to-Revenue**
Bridge OSS and BSS domains to enable automation and accelerate the time to quote and deploy new services.
- Scale Inventory for Automation, 5G and IoT**
Extend inventory to capture new technologies, devices, assets, and services in one place; eliminate spreadsheet dependency and paper records.
- Meet Compliances & SLAs**
Dynamically model and associate SLAs to provisioned services; correlate service activities to SLA commitments.
- Secure Data Governance**
Reduce data redundancies and human error, strengthen collaboration across departments, and provide teams with a common, foundational OSS data set.

Use Cases

- Automate B/OSS Workflows**
APIs enable network and business processes to be bridged and automated, accelerating time to sell, plan, build and fix.
- Model Current & Planned Networks**
Capture current and future models of the network, promoting efficient management of current operations while preparing for the future.
- Contextualize Assets**
Seamlessly drill into the network stack and contextualize assets and relationships across all layers for instant insights.
- Improve Data Accuracy & Integrity**
Ingest data in its existing state, correct gaps and redundancies, and flag areas of concern that require additional action with confidence rankings.
- Prepare for Disruptions**
Proactively plan for network troubles with Service Impact Analysis (SIA) and communicate them in advance with impacted customers.
- Resolve Network Troubles**
Perform instant Root Cause Analysis (RCA) by correlating alarms from NMS with resource inventory to identify the physical root cause of a failure.

Trusted by major operators around the world



About CROSS Network Intelligence

CNI has been implementing CROSS at major Telecom Operators across Europe since 2013. The CNI team has deep industry experience in the OSS/BSS marketplace with a strong track record of designing, implementing and supporting solutions at a local, regional and global scale that are still in service today.



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