



NART-NETWORK SERVICE INVENTORY

Your Network's Foundation for Autonomous Service Assurance.

Product Overview

Most inventory systems track rigid, idealized service templates rather than actual, live service instances running on the network. When an outage occurs, mapping how a physical fiber line failure impacts a specific corporate customer's SD-WAN service requires slow, manual correlation.

NART-Network Service Inventory serves as the live repository for active network-facing services. It maintains an updated, bidirectional mapping between active service instances and the exact physical/logical paths delivering them across IP, Transport, and Access domains.

Key Features

End-to-End Network Service Instance Visibility

Tracks the actual, live registry of active services rather than passive design templates.

Bidirectional Service-Resource Mapping

Explicitly connects customer service components to the exact underlying interfaces, logical tracks, and physical paths.

Service Impact Awareness

Integrates with assurance layers to see exactly how infrastructure changes or faults ripple into active customer paths.

Cross-Domain Consolidation

Merges IP, Transport, and Access service layers into an interoperable view.

Recommended Plug-ins

NART-Network Service Inventory can be extended with the following plug-ins to deliver deeper intelligence, faster resolution, and greater automation.



NART-Observability and Monitoring Plug-in



NART-Network Simulation Plug-in



NART-Network Planning Plug-in



NART-Dynamic Reporting Plug-in



Technarts develops next-generation OSS solutions that automate, monitor, and optimize telecom networks. Since 2007, we have helped service providers achieve scalable operations and seamless multi-vendor integration through TM Forum-aligned modular platforms.



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TechNarts is a leading OSS provider with deep expertise in telecom software since 2007. We deliver modular, future-proof solutions for **Resource Management, Network Assurance and Network Fulfillment & Orchestration**. Our systems align with **TM Forum's ODA and Open APIs**, helping operators boost service reliability, optimize resources, and accelerate digital transformation.

References



OSS Vision & Value Proposition

As telecom networks grow more complex with 5G, IoT, and AI, traditional OSS environments struggle to keep pace. TechNarts transforms OSS into a **unified, intelligent, and automated** ecosystem that enables real-time visibility, operational agility, and zero-touch automation.

We deliver OSS platforms that are:



Automated
Enabling closed-loop, zero-touch operations



Intelligent
Leveraging AI/ML for predictive insights and optimization



Agile
Scalable across hybrid, dynamic networks

Our value is anchored on:



Multi-Vendor Network Integration



End-to-End Visibility



Modular Architecture



TM Forum Compliant Interoperability



Secure On-Premise Deployment



Data Sovereignty & Regulatory Alignment



Closed-loop Network Assurance



Scalable 5G & Hybrid Infrastructure Support

Aligned with TM Forum's ODA and Open APIs, TechNarts empowers CSPs to evolve from reactive to autonomous operations; boosting efficiency, resilience, and customer satisfaction.

