



NART-AUTO DISCOVERY & RECONCILIATION (ADR)

Your Network's True Reflection.

Product Overview

Modern networks change rapidly. Manual network audits are costly, time-consuming, and obsolete the moment they are completed. Unregistered equipment, "orphan" devices, and shadow IT create severe security vulnerabilities and lead to operational inefficiencies during troubleshooting.

NART-ADR provides continuous, 24/7 automated network scanning across IP/MPLS, Transport, RAN, and Enterprise environments via standard protocols (SNMP, CLI, API, CORBA). It instantly discovers newly deployed elements and executes zero-touch reconciliation against existing databases.

Reduces manual discovery time from hours to seconds, guarantees 100% data accuracy for assurance layers, and mitigates security risks by exposing unmanaged hardware.

Key Features

Comprehensive Auto Discovery

Continuously scans multi-vendor environments to detect newly added or modified elements.

Zero-Touch Reconciliation

Automatically updates discrepancies between live network data and inventory repositories in real time.

Shadow IT & Orphan Device Detection

Identifies unmanaged, duplicate, or misconfigured hardware.

Dynamic Network Visualization

Generates an up-to-date topology view of all network components.

Recommended Plug-ins

NART-Auto Discovery & Reconciliation (ADR) can be extended with the following plug-ins to deliver deeper intelligence, faster resolution, and greater automation.



NART-E2E Network Topology Plug-in



NART-Dynamic Reporting Plug-in



NART-Impact Analysis Plug-in



NART-Observability and Monitoring Plug-in



with **NART-IPAM**

Full-Spectrum ADR-IPAM Intelligence

Previously used together in the customer system, these tools now form a unified OSS layer, combining inventory reconciliation with IP intelligence to eliminate overlaps, reclaim idle IPs, and ensure subnet hygiene.

Key Synergies:

- Cross-validation of IP allocations vs. actual network state
- Detection of blacklisted, duplicated, or unutilized IPs
- Integrated inventory + IP planning dashboards
- Smarter provisioning & faster incident resolution
- Improved audit readiness & SLA compliance
- Replaced a major competitor's tool and revealed 9% of the customer's inventory was missing



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.



ODTÜ TEKNOKENT MET YERLEŞKESİ, Mustafa Kemal Mah.
Dumlupınar Bulvarı No:280 E Blok 2/A, 06510
Çankaya/Ankara



+90 (312) 354 98 68



info@technarts.com



/ technarts



/ technarts

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.

