

Managed Services Overview

NetHarmonix has delivered a complete solution for complex service fulfillment. It is ideally suited for managed services environments because it applies several unique capabilities.

The platform can capture and support new network technologies faster and more completely than any competitor. This speeds implementation, reduces cost, simplifies maintenance, and makes the OSS platform a launching pad for new service and network deployments.

Unlike most OSS products, NetHarmonix uses a multi-layer information model to give a complete picture of a network, all of its layers, and its physical, logical, and topological aspects. Synchronized with the live network, this model drives accuracy and optimization in network provisioning, planning, capacity management, and service impact analysis.

NetHarmonix uses meta-data and software based-state machines to provide extreme architectural adaptability and massive scalability. Further, its soft-microprocessors are configurable without code, which makes the platform functionally versatile, easier to maintain, and simpler for users to understand and exploit.

Combining all of these capabilities and more in one elegant solution, NetHarmonix can automate complex service fulfillment processes from end-to-end while improving speed to market, reducing costs, and enabling greater service flexibility and quality management.

Discovery

- Discovers a complete set of network and service information through multiple means including device interfaces, network databases, routing tables, discovery silos, or any system with live network data
- Assimilates devices and network technologies at least four times faster than competitors
- Proven to scan and discover networks exponentially faster and more accurately than competitors
- Rare ability to infer network trails and connections around devices that cannot be discovered directly
- Continuously listens for network changes to ensure that inventory represents the live network
- Feeds other applications with any subset of its captured data in multiple formats

Inventory

- Complete data integrity enables rapid provisioning, accurate planning, and automation throughout service fulfillment
- Leverages information model to provide a complete picture of network and service inventory
- Features allow for highly automated, consistent design-and-assign processes, but can also act as a design tool for network engineers
- Offers a web-based reporting tool to enable information sharing across a distributed user base

Provisioning

- Enables automated provisioning, network planning, and design and root cause analysis to greatly reduce the time, cost, and effort to deliver QoS-guaranteed network services
- Allows for multiple options and designs to be visualized before changing the live network
- Automates roll-back of complex configurations to any previous network state
- Provisions for QoS while validating that network segments can meet contractual guarantees

Activation

- Activation is an inherent part of the NetHarmonix platform; not a bolt-on component
- Most products only discover for network management and require dense object coding to support activation. Once the NetHarmonix platform discovers a network device, it is supported for activation functions
- Allows for both automated and manual configuration of multiple and/or individual devices
- Configures QoS and sets stage for intelligent, auto-rerouting around network faults and failures