



Network Design and Inventory

The service provider must leverage existing networks and continue to build new networks for offering competitive services. NTG Clarity's Network Design and Inventory product improves every aspect of voice and data networks, from planning, design to on-going maintenance. Combined with network discovery, it supports network audit for data integrity and accurate inventory to facilitate engineering design and timely service provisioning.

Business Benefits

The following business benefits are supported by the Network Design and Inventory product:

- ◆ Support on-going network maintenance with audit and data integrity to improve the network utilization
- ◆ Provide accurate inventory for automating provisioning and for reducing manual inventory population and updates
- ◆ Provide network planning and design with accurate inventory to improve service delivery
- ◆ Enable efficient service design based on accurate state of the networks at physical and logical layers

Product Features

The Network Design and Inventory product consists of the following components:

Inventory with Configuration and Asset Management establishes the network platform to deliver network services. Based on detailed, hierarchical equipment records defined for each physical and logical location, this component maintains network inventory at the card / port level, permitting accurate tracking of network availability. It supplies all details required for automating customer service fulfillment.

Engineering Design and Circuit Management manages established and emerging technologies for designing end-to-end network resources for customer services. It provides network configuration and assign Quality of

Service (QoS), and offers customers QoS guarantees. It provides end-to-end circuit management to map physical resources with customer's logical facilities and services for engineering design and assignment management

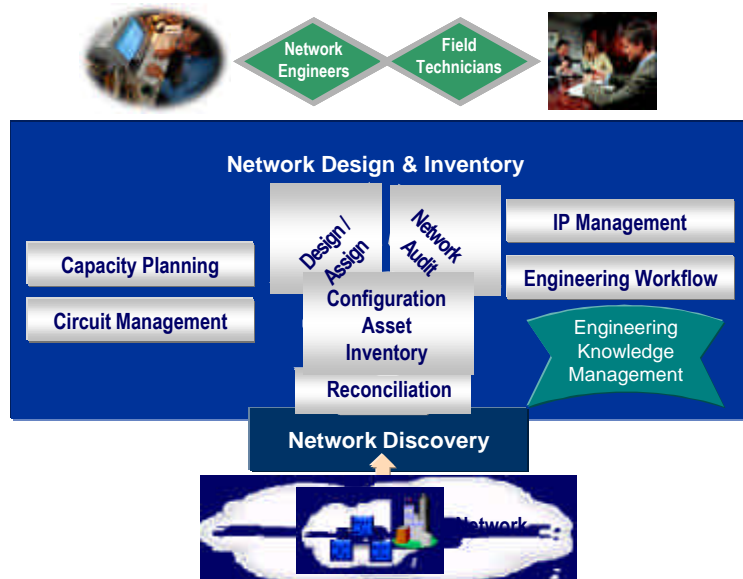
Capacity Planning provides generation of reports necessary for effectively planning and managing the network, and is used to facilitate troubleshooting and anticipate future capacity needs.

Engineering Workflow and Project Management offers efficient workflow and project management capabilities to facilitate work and assignment for engineering activities used in the engineering team environment. It can provide activity and milestone tracking with jeopardy control while providing project managers and team members their own access to the tasks and activities assigned to them.

IP Management controls the generation and allocation of IP addresses, keeping track of their status and managing their inventory, use and replenishment.

Network Discovery with Reconciliation provides direct access with the network to maintain accurate configuration data through reconciliation. Audit of network resources can then be triggered based on the discrepancies of "as is" vs "as recorded" to improve the data integrity.

Engineering Knowledge Management facilitates engineering team knowledge sharing and productivity with collaborative communications including Messaging Board, Discussion Form, FAQs and Team Directory.

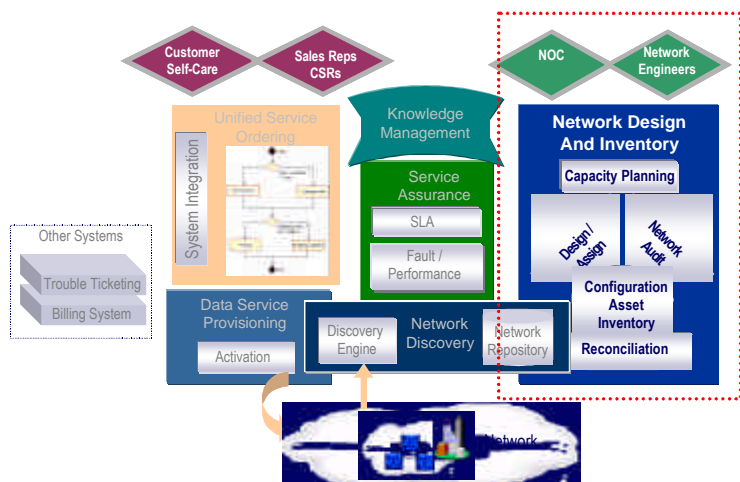


Network Design & Inventory: Product Overview

NTG Clarity Product Suite Overview

NTG Clarity also offers Network Design and Inventory as part of its end-to-end software suite.

The products in the suite can be implemented individually, or integrated in the suite or with other operations support systems.



NTG Clarity End-to-End Software Product Suite

The following are brief overviews of the other products in the suite.

Unified Service Ordering: As a service provider, enabling the sales force and customers with direct ordering provides the competitive advantage.

This product offers rapid service modeling and flexible order captures by different channels. Its order entry and order management are enabled with the scalable J2EE / XML technologies. It can be integrated with flow-through service activation and billing while providing centralized customer information and service catalogue.

Data Service Provisioning: Creating and activating services rapidly is a key requirement when fulfilling customer data services on a timely basis. This product, coupled with auto-discovery capability and built-in end-to-end circuit design, automates the complex process of creating and activating data services over multi-vendor multi-technology networks.

Network Discovery: Maintaining an accurate network inventory can be time-consuming and costly, but it is essential to have in order to deliver services properly. The Network Discovery product, also used as the common component embedded in other products in the suite, is the answer to keep track of the network resources directly from the network, both at the physical and logic level in an automated interface.

Service Assurance: The service provider must ensure the quality of customer services. This product proactively tracks; correlates network events and alerts with customers. It supplies the network and service assurance through fault and performance to meet customer service level agreement.

Knowledge Management: The service provider needs to be efficient with operations when delivering services. This product provides a centralized portal to facilitate knowledge management, collaborative communications, and document management. It is the information repository, with easy to use web access, integrated with multimedia contents identified by the service provider.

Software Implementation Services

NTG Clarity provides software implementation and integration services that cover the full life cycle of solution implementation with key activities in:

- ◆ Project Management
- ◆ Requirements Analysis
- ◆ Functional and Architecture Design
- ◆ Customization, Integration and Implementation
- ◆ Documentation and Training
- ◆ Installation, Configuration and Performance Tuning
- ◆ User Acceptance Testing
- ◆ Support and Maintenance

Who is NTG Clarity?

- ◆ Full Service and Quality Networking Company
- ◆ #4 Fastest Growing Company in Alberta for 2001
- ◆ Publicly trading on the CDNX under symbol NCI
- ◆ Established in 1992
- ◆ Offices in Toronto, Montreal, Calgary, Vancouver, US and Egypt
- ◆ Experienced in developing and delivering enterprise and telecommunications solutions

Why NTG Clarity?

- ◆ Specializes in networks and network applications
- ◆ Guarantees results and willing to share the risks
- ◆ Client Centric
- ◆ Help evolve and maintain your environment while phasing out old technology applications
- ◆ Flexible engagement model



People. Products. Technologies.
Network Software Solutions.

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