product information

Ascend

NavisXtend Provisioning Server

The NavisXtend™ Provisioning Server software application lets service providers use their existing order entry systems to provision their Ascend IP, Frame Relay, SMDS and ATM networks. It automates the provisioning and inventory-taking of switch cards, ports and circuits, which allow service providers to quickly and more efficiently deploy new services. By automating these tasks, the Provisioning Server application dramatically lowers provisioning overhead cost, while greatly reducing circuit setup times.

Automated provisioning provides end-to-end configuration ease

The Provisioning Server software fully configures any B-STDX, STDX or CBX ATM network using a Web-based Graphical User Interface (GUI), an Application Programming Interface (API), SNMP or simple Command Line Interface (CLI). By automatically provisioning the multi-service network from a single platform, the Provisioning Server offers end-to-end configuration ease and reduces the operating costs of provisioning a network. It supports NavisCore™ and HP OpenView on any SPARCstation.

Reduced circuit configuration lead times increases customer satisfaction

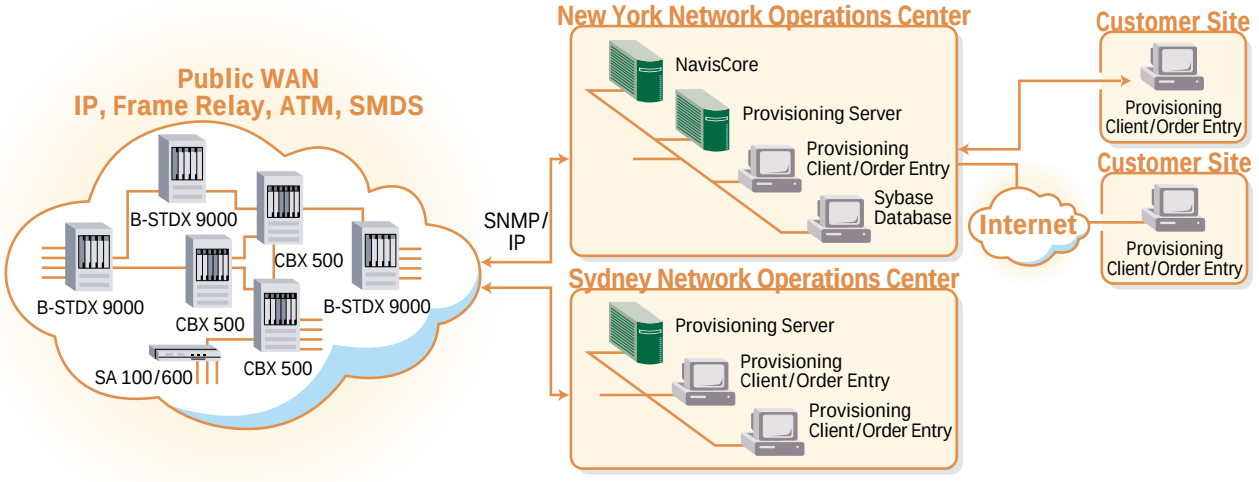
Configuration information can be stored and uploaded based on time or date. This allows operators to preconfigure a customer's circuit in advance and activate it automatically to match the customer's order. This immediate response time increases customer satisfaction, while dramatically improving the operator's productivity.

Distributed client/server architecture increases provisioning flexibility

The Provisioning Server uses the powerful NavisXtend distributed client/server architecture, allowing service providers to support hundreds of provisioning operators in geographically-dispersed locations. Operators can use browsers to access the application or transparently provision network switches and components directly from the existing order entry system.

- Provisioning API for provisioning directly from an operator's order entry workstation
- Seamless interoperation with existing management applications

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Open, standards-based interfaces support seamless integration with existing order entry software

Multiple APIs support seamless integration with any existing order entry software. This reduces provisioning to one task, eliminating task and system redundancies while offloading valuable operators and reducing provisioning backlog. This also eliminates the need to retrain personnel on a new order entry system.

- Support for C, C++, SNMP or CLI API interfaces
- CLI further automates tasks with script macros that can be tied to order entry systems.

Provisioning Server Technical Specifications

Hardware Requirements	Sun SPARCstation 5 or equivalent 256 MB RAM 70 MB hard disk space 1/4 tape drive
Hardware Requirements for API Toolkit	15 MB of additional hard disk space on the SPARCstation
Software Requirements	Solaris 2.3, 2.4, 2.51 or higher NavisCore/UX version 2.4 Sybase version 4.9.2 or 11
Switch Software Requirements	B-STDX 8000/9000: 4.1 or later CBX 500: 2.0 or later SA 100/600: 1.0 or later
API Interface Coding Option	C, C++, SNMP, CLI
Data Transport to Switch Network	SNMP
Controllable Switch Objects	Switch cards, pports, lports, circuits, SMDS addresses, SMDS screens and SMDS group objects

NavisXtend Servers

The NavisXtend family includes the following servers:

Accounting Server	Collects Switched Virtual Circuit (SVC) and Permanent Virtual Circuit (PVC) call detail that can be used to generate customer invoices
Customer Network Management Server	Allows service providers to offer managed data services with customer viewing
Fault Server	Intelligently correlates and consolidates network event and alarm information to quickly identify network problems
Provisioning Server	Reduces configuration steps by automating the provisioning of cards, ports and circuits
Standby Server	Allows warm standby of primary network management database to increase the level of data availability in the event of an outage to the primary site
Statistics Server and Report Generator	Collects network statistics and generates graphical reports that are easily understood by end users

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Ascend Communications, Inc. develops, manufactures and sells wide area networking solutions for telecommunications carriers, Internet service providers, and corporate customers worldwide. For more information about Ascend and its products, please visit the Ascend web site at http://www.ascend.com, or e-mail info@ascend.com.

Ascend markets the B-STDX, CBX, GRF, IP, MAX, Multiband, MultiDSL, Navis, Pipeline, SA, SecureConnect and STDX families of products. Ascend products are available in more than 30 countries worldwide.

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