Ascend

Product Information

# NavisXtend Accounting Server

The NavisXtend™ Accounting Server software application collects detailed call information on ATM and Frame Relay Switched Virtual Circuits (SVCs) and Permanent Virtual Circuits (PVCs) on a per-call basis. It works with software on Ascend CBX 500/B-STDX 9000 switches to measure data traffic passing through the network. This allows service providers to bill their customers based on network usage or call duration.

The Accounting Server brings service providers a whole new level of information about calls made on their networks. Service providers can now offer their customers new, competitive data call plans, precise performance information and enhanced services never before available.

The Accounting Server forwards data to a service provider's existing account billing system for generation of invoices or performance reports to seamlessly integrate with the existing management infrastructure. The Accounting Server architecture allows multiple copies of the application to be distributed throughout the network, allowing service providers to flexibly distribute billing operations.

## Automation eases handling of data collection and billing tasks

Accounting Server's many sophisticated features ease service provider deployment of ATM and Frame Relay billing services. Once configured, Accounting Server automatically interfaces with existing software applications.

- Supports either network usage (frame/time) or time-based account billing
- Minimizes impact of accounting on the network as a whole by efficiently measuring counts for each call
- Keeps records at a per-switch, per-port or per-circuit level, depending upon billing requirements
- Correlates multiple records pertaining to the same call
- Formats data in either ASCII or Bellcore AMA Format (BAF)
- Configurable through NavisCore™
- Provides a high-level overview of network activity through summary logs

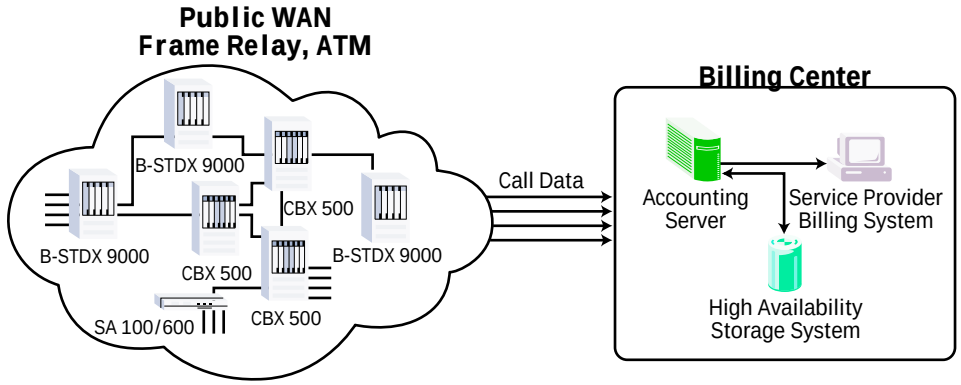
## Detailed call information lets service providers offer new, competitive billing services

The Accounting Server application lets service providers collect information on ATM and Frame Relay SVCs and PVCs on a per-call basis. Service providers can, in turn, bill customers based either on network usage or call duration. This detailed call information enables service providers to offer new competitive data call plans and precise performance information on a per-call, real-time basis.

## Built-in safeguards ensure reliable data delivery

Accounting Server includes important safeguards for reliable delivery of accounting data. In the event of a network, switch or card failure, or of a record delivery error, archived accounting information is retrieved automatically and SNMP warning traps are sent to network operators.

## NavisXtend Accounting Server



## Accounting Server Technical Specifications

| | |
|---|---|
| Hardware Requirements | Sun Enterprise Ultra2<br>256 MB RAM<br>4.2 GB hard disk space |
| Software Requirements | Solaris 2.5 1 or higher<br>NavisCore/ UX 2.4.0.1 or higher<br>Sybase version 11 or higher |
| Switch Software Requirements | CBX 500: 2.0 or higher<br>B-STDX 9000: 6.0 or higher |
| Data Record Format | Comma-delimited ASCII; BAF (ATM) ASCII (FR) |
| Standards | Bellcore TR-TSV-1369, TR-TSV-1370, GR-1110-CORE, GR-1343-CORE, AMADNS |
| Measurable call objects | Endpoint addressing, connect time, termination cause, QoS class, bearer class, forward/backward peak, sustainable and maximum burst call rate, PVC point-to-multipoint indicator, carrier and transit carrier |

## 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 |
| 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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