

Standards-Based Media Server for Next-Generation IP Applications

The Cantata™ SnowShore IP Media Server™ is the industry's premier software-based, carrier-grade IP media server supported by a wide range of industry standard hardware platforms running on Red Hat Linux. It leverages the simplicity, openness, and flexibility of SIP, VoiceXML, and MSCML to provide a cost-effective and scalable IP media server solution, powering a broad range of traditional and media rich services for wireline, wireless and broadband networks including the 3GPP/3GPP2 IP Multimedia Subsystem (IMS) network architecture.

Cantata pioneered the SIP-based media server and delivered the industry's first software only product. Its highly optimized carrier-grade architecture makes it an ideal choice for delivering revenue generating IP services for today as well as media-rich next generation IP services for tomorrow.

Whether you have a trial of a new service on a single low-cost server or want to deploy a high capacity solution using scalable blade server technology, the field proven SnowShore IP Media Server provides a cost-effective, flexible, scalable solution designed to meet your needs.

Features and Benefits

Advanced Voice and Video Processing

The SnowShore IP Media Server enables rapid development and deployment of innovative, revenue-producing voice and video services by delivering industry leading VoiceXML and content access scalability. These capabilities are critically important for enhanced service applications, giving both wireless and wireline carriers greater flexibility and broader application reach to offer high quality low bandwidth "narrowband" and high bandwidth "broadband" applications tailored to the requirements of subscriber endpoint devices.

Runs on Industry Standard Servers

With its advanced software-only media server architecture, the SnowShore IP Media Server provides deployment flexibility, with performance and scalability that track "Moore's Law". The software provides optimum flexibility in choosing the best platform for individual deployment requirements along with the ability to easily scale as service needs change over time allowing carriers to future-proof their investments.

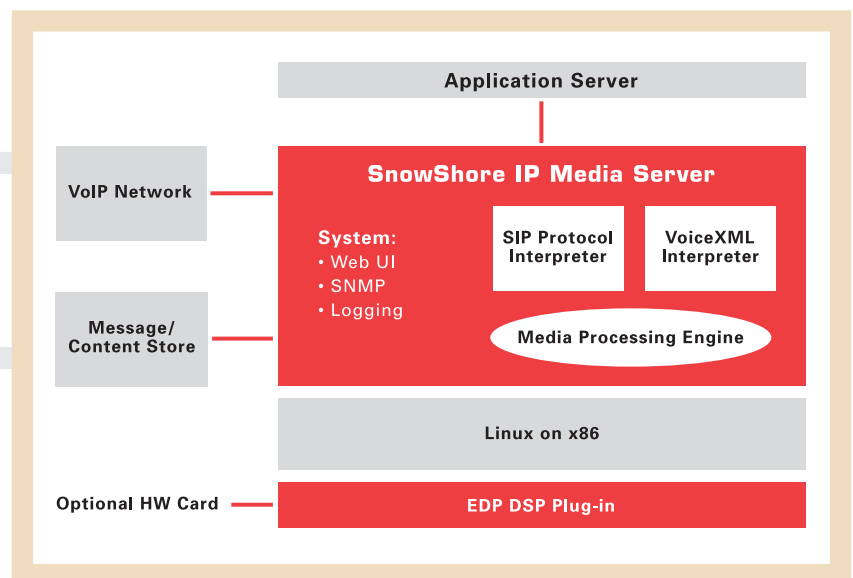
Supported by a Wide Range of Industry Standard Hardware Platforms

The list of supported hardware platforms include commercial off the shelf (COTS) servers, NEBS-compliant blade servers and AdvancedTCA platforms running Red Hat Linux. Customers can begin service trials with a single server, then add capacity to support expansion or to add redundancy, and do so in either a single centralized facility, or in distributed points of presence throughout the network.

Rich Multimedia Processing

The SnowShore IP Media Server provides feature-rich multimedia processing, including transcoding, DTMF tone detection, speaker identification and verification, video play and record, conference mixing, and simultaneous play/record allowing carriers to build services with best-of-breed applications or to develop their own custom solutions.

(continued)



SnowShore IP Media Server

Ecosystem of Application Partners

Cantata has a growing list of application partners that have been tested and proven in the most demanding environments — real world deployments. Together with these best-in-class application partners, we reduce the risks to service providers in implementing enhanced services such as Voice and Video Messaging, Conferencing, IVR, IP Centrex, Prepaid Services, Ring Back Tones, SMS and other high demand services for today's and tomorrow's networks.

Supports Incremental Services Roll-Out

The multi-service platform of the SnowShore IP Media Server lowers cost and the time it takes to trial or deploy innovative new services.

Industry Standard SIP/XML Interfaces

The SnowShore IP Media Server leverages SIP, VoiceXML, MSCML, NETANN and MRCP protocols, and web standards, to increase service velocity.

Designed for Carrier Grade Operations

The flexible, standards-based design of the SnowShore IP Media Server leverages industry-standard hardware platforms and software protocols to meet demanding reliability, performance and scalability requirements.

Specifications

MEDIA AND CODECS

- RFC 2833 (DTMF)
- G.711 μ -Law, A-Law
- G.726 @ 32Kbps (w/DSP plug-in card)
- G.729AB (w/DSP plug-in card)
- AMR (w/DSP plug-in card)
- H.263⁺⁺ (video)
- H.264 (video)
- .3GP File Container
- WAV
- MS-GSM
- HTTP/NFS

SIGNALING AND CONTROL

- SIP
- SIP+MSCML
- SIP+VoiceXML 1.0
- SIP+VoiceXML 2.0+
- MRCP 1.0

SECURITY

- Secure Shell (SSH)
- Secure logging

CAPACITY

Maximum Media Sessions per Server:

- G.711 @20ms – 500 at 3.2 Ghz
- G.726, G.729 – 200
- H.263 – 50 at 2.4 Ghz

SYSTEM MANAGEMENT

- WEB UI
- FTP
- SNMPv2c/v3
- Ethernet trace w/packet capture

PLATFORMS SUPPORT

- Intel-based Rackmount Servers, 1U with single and dual power supplies
- IBM eServer BladeCenter
- HP Blade Server
- Dell Poweredge Servers
- Continuous Computing AdvanceTCA
- Intel ATCA

INTERFACES

Media and Signaling

- 1000Base-TX Ethernet (RJ-45) Management
- 1000Base-TX Ethernet (RJ-45)
- RS-232C serial port (RJ-45)

MINIMUM SYSTEM REQUIREMENTS

- Red Hat Enterprise Server 4.0 Update 3
- Intel Dual Xeon 2.84 GHz or greater
- Memory 2GB RAM minimum
- Storage 36GB HD minimum
- Dual 1000Base-TX Ethernet (RJ-45)

Cantata Technology™, established in 2006 through the combination of Brooktrout Technology® and Excel Switching Corporation, provides enabling communications hardware and software that empowers the creation and delivery of anytime, anywhere IP-based communications applications. Leveraging more than 20 years of experience, Cantata offers the broadest range of products, along with a worldwide network of partners that allows service provider and enterprise customers to develop new products, introduce new services and cost-effectively transition networks to IP Headquartered in Needham, Mass., Cantata maintains multiple locations worldwide in North America, Asia and Europe.

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