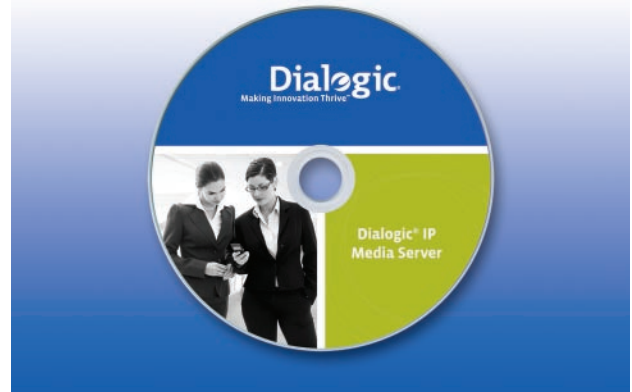


The Dialogic® IP Media Server is a software-based product that leverages the simplicity, openness, and flexibility of SIP, VoiceXML, and MSCML to provide a cost-effective and scalable IP media server solution suitable for carriers. The Dialogic IP Media Server is field-proven on a wide range of industry-standard hardware platforms that run Red Hat Linux, and it can be used to power a broad range of traditional and media-rich next-generation services for wireline, wireless, and broadband networks, including the IMS network architecture. Typical services include IVR, contact center, conferencing, messaging, and network announcements.

Because of its flexible and easily scalable architecture, the Dialogic IP Media Server can be used to try out a new service on a single low-cost server or to deploy a high-capacity solution using blade-server technology.



Features

Industry-standard SIP/XML interfaces leverage SIP, VoiceXML, MSCML, NETANN and MRCP protocols, and web standards

Powered by a flexible software-only media server architecture

Can be used on a wide range of industry-standard hardware platforms: Commercial Off The Shelf (COTS) servers, NEBS-compliant blade servers, and AdvancedTCA platforms running Red Hat Linux

Supplies advanced voice and video processing for voice transcoding, DTMF tone detection, fax tone detection, speaker identification and verification, video play and record, conference mixing, and simultaneous play/record

Integrated Dialogic® Brooktrout® Fax Software fax processing capability

Supports incremental service roll-out through multi-service platform

Designed for carrier grade operations

Benefits

Supports enhanced service applications and application servers from a wide variety of leading vendors while also enabling the development of custom solutions

Able to scale easily from a service trial on a single server to a high-capacity solution with redundancy in either a single centralized facility or a distributed network environment

Provides flexibility in choosing the right platform to meet individual deployment requirements

Increases service velocity by enabling rapid development and deployment of a wide range of innovative enhanced voice and video services, and can provide a common, lower-cost platform for centralized services

Simplifies fax service deployment since no boards need to be installed, maintained, or stocked

Lowers costs and shortens the time needed to trial or deploy innovative new services

Suited to meet the demanding reliability, performance, and scalability requirements of carriers

Technical Specifications

Media and Coders

Audio

Audio play/record
DTMF detection: RFC 2833 and in-band
Call progress analysis: Busy, CNG fax, modem tone detection, Positive Voice Detection (PVD), Positive Answering Machine Detection (PAMD)
Audio conferencing with active talker detection, DTMF clamping, coach-pupil mode, per party gain/volume control
Speech support: ASR/TTS validated with third-party speech servers
Audio codecs:
G.711 μ -Law, A-Law
G.726 @ 32 kbs
G.729AB
AMR-NB

Video

Video play/record
Video conferencing – switched active talker-based
Video codecs:
H.263, H.263+, H.263++
H.264

Media Container Formats

.3GP File Container
WAV
MS-GSM

File Operations

HTTP/NFS

Signaling, Media, and Control Interfaces

IPv4, IPv6
SIP
NETANN
SIP+MSCML
SIP+VoiceXML 1.0
SIP+VoiceXML 2.0/2.1
MRCP 1.0, 2.0

Fax

CNG fax tone detection
ITU T.30 fax detection
ITU T.38 fax detection, reception, and transmission

Technical Specifications *(continued)*

Security

Secure Shell (SSH)
Secure logging

Capacity

Typical media sessions per server:
G.711 @ 20 ms – up to 800 with dual quad-core 2.33 GHz CPU
G.726, G.729 – up to 300 host-based
H.264 – up to 100 with dual quad-core 2.33 GHz CPU

System Management

WEB UI
SNMPv2c/v3
Ethernet trace with packet capture

Standard Platform Support

Rack Mount Servers based on Intel Architecture
IBM eServer BladeCenter
HP Blade Server
Dell Poweredge Servers
Continuous Computing AdvancedTCA

Required Interfaces

Media and Signaling: 1000Base-TX Ethernet (RJ-45)
Management: 1000Base-TX Ethernet (RJ-45) and RS-232C serial port (RJ-45)

Minimum System Requirements

Operating System: Red Hat Enterprise Linux 4 Update 5 or Red Hat Enterprise Linux 5 Update 2
Processor: Intel Dual Xeon 2.8 GHz or greater
Ethernet: Dual 1000Base-TX (RJ-45)
Memory: 2GB RAM minimum
Storage: 30GB HD minimum

Software Pre-Loaded on Servers

Servers available with Release 2.x software pre-loaded: Rack Mount Servers based on Intel Architecture with Intel Dual Quad-core Xeon 2.3 GHz processor

Note: For information about availability, contact your local Dialogic sales representative.

www.dialogic.com

Dialogic Corporation
9800 Cavendish Blvd., 5th floor
Montreal, Quebec
CANADA H4M 2V9

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