

MediaServ/LG



Exchange E-mail Compliance, Discovery and Policy Violation Notification Network Appliance

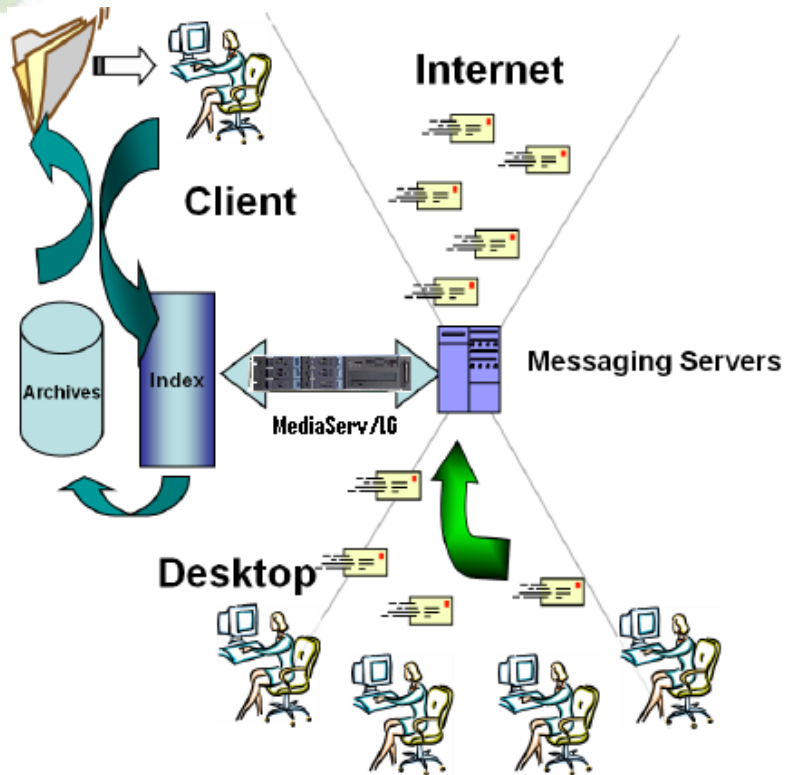
E-mail is more than a convenient communications tool; it represents a potentially large part of the corporate "knowledge base" that can be leveraged to improve employee productivity and corporate security, but it must be efficiently managed in order to do so.

Recent high-profile lawsuits entailed expensive discovery costs that emerged during legal proceedings, but the efficient storage and handling of e-mail messages and attachments could have proved critical in avoiding costs and sanctions. Companies in the health care, financial services, and insurance industries amongst others face regulations that mandate the capture and long-term storage of e-mails and attachments.

CUC's **MediaServ/LG** is an Enterprise Content Management subsystem for E-mail archive that helps organizations face these challenges by indexing and storing all the content associated with e-mail. Bundled with the patent-pending **LookingGlass** Content Management software from Estorian, **MediaServ/LG** links e-mail messages and their associated attachments to other relevant content within the enterprise into a single turnkey Email archive appliance.

MediaServ/LG Software Components

- **Interceptor** – "Intercepts" emails and attachments in real-time without the need to log or journal.
- **Scanner** – Responsible to retrieve all pre-existing emails and attachments residing on registered server.
- **Indexer** – Patented indexing technology which allows for any character string or multiple character strings to be combined and filtered without user definition or knowledge.
- **Archive** – Allows for "single-instance" store of all emails and attachments.
- **Client** – Powerful end-user retrieval program which eliminates the need for "search". **LookingGlass** knows if the document exists without the requirement to open and search.



Key Capabilities

Simple to install and easy to use, **MediaServ/LG** provides users with the tools for defining and controlling e-mail content all from a single network-attached storage appliance.

- ◆ **Unstructured Content indexing** - All electronic communications is indexed and stored for future retrieval or data-mining.
- ◆ **Importable and Exportable databases** - Content is indexed and stored in its own data-base which can be exported or Imported for future retrieval.
- ◆ **Powerful retrieval technology** - Making it possible to search all e-mail and associated content for words, phrases, metadata, and discussions.
- ◆ **Statistics gathering tools** - Designed to give the administrator a snap-shot of user activity by selectable date and time as well as a view of server loads and usage.
- ◆ **Automatic archiving and elimination of e-noise** - E-mail content is automatically intercepted and copied to a pre-determined storage area. Unwanted e-mail (e-Noise) is



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ARCHITECTURE OVERVIEW

Interceptor Software Agent

- Captures all outgoing, incoming, and internal email messages and attachments in real-time
- Eliminating any email from being modified or deleted prior to capture
- Eliminates the need to incur the overhead of Exchange journaling
- Ability to provide both asynchronous and synchronous handling of email
- Provides real-time policy enforcement and violation quarantine and notification
- Requires no software to be installed on the Exchange Server
- Provides the ability to append signatures and notifications for both outbound and internal messaging

Scanner Software Agent

- Provides the ability to capture existing emails and attachments which reside on existing corporate email servers/archives
- Continuously monitors all intercepted and scanned emails and attachments for validity
- Provides audit trails and security for all queries and email and attachment retrievals
- Provides performance tuning tools to monitor scanning activity and control indexing thread

Indexer Software Agent

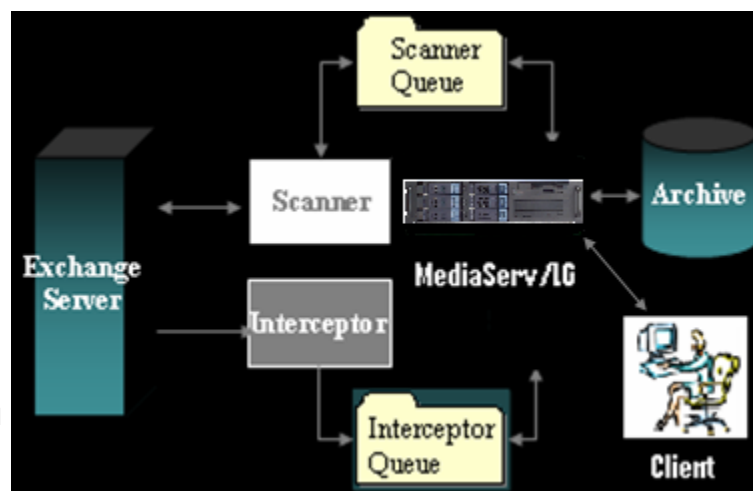
- Patented solution indexes all words, metadata, pages, and character strings eliminating the need for searches associated with traditional methods of retrievals
- Provides the ability to "join" arguments together and show associations of one or more emails and or attachments to each another
- Every email and attachment is opened, away from the Exchange server, and a unique character string, including all metadata, is identified, indexed, stored, and pointers updated in the **MediaServ/LG** MS SQL database

Archive Software Agent

- The Archive contains a "single instance" store of all emails and attachments
- Multiple copies are kept as a single copy with the associated distribution list
 - ⇒ If a message is merely forwarded to another person either inside or outside of the company only the distribution list is updated.
 - ⇒ If a message has been changed in any way the message is archived as a new message
 - ⇒ In addition to Archiving the message **MediaServ/LG** indexes all messages by time sent and received, enabling **MediaServ/LG** to "Follow the Trail" of all incoming and outgoing messages and attachments.

Desktop Client Software Agent

- Search multiple exchange servers from a single location or desktop
- Extract found messages into an MSDE data-base for later use
- Restore messages back to any authorized user mailbox in seconds
- Provides hourly, daily, weekly, monthly, and yearly statistics by user, by server, of e-mails and attachments



MediaServ/LG Appliance Hardware Components

- 2U rack-mount chassis with redundant hot-swap 550watt power
- Intel Quad-Core Xeon 2.5Ghz processor, 1-4GB DDR2 SDRAM
- Dual 250GB SATA-2 mirrored O/S drives (Windows 2008 Svr.)
- Six (6) hot-swap 750GB or 1TB SATA-2 drives
- Integral CDR/DVD-ROM drive
- GigE 10/100/1000 Ethernet, Four (4) USB ports
- Integral Microsoft SQL database
- Optional fibre-channel interface and storage available
- Optional Blu-ray, LTO3/4, UDO2 library storage available
- Supports Microsoft Exchange v5.5 or greater, Outlook 2000 or greater

