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Cover Story

Internet Exchange Messaging Server 5 offers cc:Mail users worry-free migration

With the impending demise of cc:Mail, most of its users have started to look seriously for a more suitable replacement for the soon-to-be orphaned system. Software developer International Messaging Associates (IMA), offers a timely and relevant solution to this dilemma.

IMA's latest offering, the Internet Exchange Messaging Server (IEMS) 5, has migration tools that offer cc:Mail users easy and trouble-free migration to an Internet-based environment — the cc:Mail Address Book and Mailbox converters. The cc:Mail Address Book converter allows the user addresses from the cc:Mail address book to be translated to a format supported by the IEMS 5 LDAP-based Directory Server. Meanwhile, IEMS 5's cc:Mail connectors convert cc:Mail mailboxes into the format that can be recognized by the IEMS 5 Message Store.

Through this process, system administrators can now conveniently enter needed information while easily directing the steps of migration. This can be done with minimal disruption to users. The required information can be migrated seamlessly. In addition, IEMS 5's logging facilities allow system administrators to track which users have been moved to the new system, giving full control over the entire migration process.

With the migration to IEMS 5's Message Store, users can conveniently access their mailboxes via any POP3- and/or IMAP4-capable clients such as Outlook Express, Eudora, Pegasus, and Netscape, among others. Their email can also be accessed remotely using any web browser via IEMS 5's Web Mail Client.

While in migration, cc:Mail users are given the convenience to continue the use of their own cc:Mail client to send and receive Internet messages. This is made possible through the cc:Mail connector. Thus, IEMS 5 provides users with ample time to migrate comfortably into their new system.

IEMS 5's 24x7 technical support assures users continuous technical assistance through the migration process. Running on both the Linux and Windows platforms, IEMS 5 also supports a distributed messaging environment. This feature allows each software component to be run on different machines. This efficiently distributes computing capacity and resources, resulting to faster and more flexible processing of required tasks. Other significant features include virus scanning, spam control and distribution list management. All these make IEMS 5 the choice solution for cc:Mail emigrants.



WEB MAIL CLIENT: Internet Exchange Messaging Server 5's virtual window to your email

A web-based mail client allows end users to access their mail using any web browser connected to the Internet anywhere, anytime. This article provides a technical overview for system administrators interested in knowing how the Internet Exchange Messaging Server (IEMS) Web Mail Client works.

The IEMS Web Mail Client is a collection of CGI (Common Gateway Interface) programs that allow IEMS users to compose, reply, forward, or delete mail messages from the local Message Store using any kind of web browser anytime, anywhere. Users just need to hook up with any web browser-equipped terminal with Internet connection and log onto the Web Mail Client for instant message download and submission.

The IEMS Web Mail Client is made up of the following CGI programs:

LOGIN CGI
Validates the login username and

password of the Web Mail Client user.

MENU CGI
Displays the Menu frame together with the different hyperlinks of the Web Mail Client.

VFOLDER CGI
Summarizes information of the different folders in the Message Store and displays them for the user.

IEWMSG CGI
Allows users to view and manipulate their mail messages.

GETFILE CGI
Displays message file attachments.

DELMAIL CGI
Deletes unwanted messages in the file folders of users

NEWMAIL CGI
Enables users to compose, reply and forward messages.

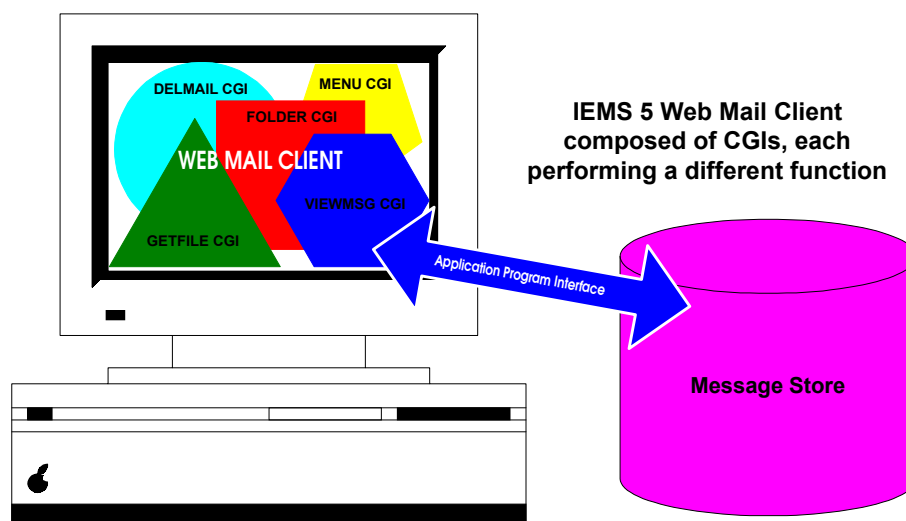
FOLDER CGI

Provides the functionality that lets users manage their folders.

The first phase of remote mail access is authenticating the user through the login procedure. In this process, LOGIN CGI performs the task of validating the username and password via the Message Store API (Application Programming Interface). An encrypted password is stored in LOGIN.STS and passed in the CGI form data among other CGIs. The LOGIN CGI then executes the VFOLDER CGI to display the INBOX summary information. VFOLDER then reads the CGI form-data input to validate the USERNAME, ENCRYPTED PASSWORD and FOLDER parameters to carry out the requested operation.

As the summary list of the messages in the INBOX folder is shown on screen, the "From" field is displayed

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Postman's Corner

Amidst fast pace globalization, International Messaging Associates, has kept itself sensitive to the needs of the corporate world. IMA continually focuses on providing excellent messaging solutions that cater to the changing needs of its customers. Its latest messaging server, the Internet Exchange Messaging Server (IEMS) 5, is a versatile solution that is capable of running not just in the traditional Windows environment, but on all major Linux distributions.

IEMS 5 Available in Major Linux Distributions

Proving once more that excellence can come in different flavors, IEMS can be enjoyed on various Linux operating systems such as RedHat, Mandrake, Suse, TurboLinux, VA Linux and Caldera. This provides the growing Linux server market with a high-end messaging solution. The flexibility, robustness and versatile architecture of IEMS provides the Linux community with a breadth of tools that they can use for their messaging needs.

IEMS can run in a distributed environment with the various modules running across different

networked machines allowing for the efficient use of computing resources. Linux enthusiasts can now run the various IEMS components under the Linux operating system. If functionality is required which is not currently available under Linux, such as some anti-virus packages, these can be run on a single Windows based machine, with the rest of the distributed system continuing to run under Linux. This feature allows for system stability and flexibility.

With IEMS, IMA is able to meet the increasing demand for reliable and cost-effective messaging solutions.

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as a hyperlink to the VIEWMSG.EXE CGI. Once the "From" field hyperlink is clicked, the action triggers the VIEWMSG CGI to access a particular mailbox and retrieve a message in the Message Store by using the Message Store API.

As the message is viewed onscreen, other hyperlinks are displayed, each with its own CGI to perform an operation that a user may request. Some of these instructions/operations are: displaying the message header details, showing the message source, composing new mail, forwarding mail, deleting mail and sending file attachments along with the mail.

IEMS 5 also allows the system administrators to customize the Web Mail Client using domain-based style

sheets according to the preferences of their company. The style sheet is used for customizing the color, font size and font style that is used by the Web Mail Client CGIs. System administrators can define the headers and footers by using HTML/plain text files or by running an executable program. The headers and footers applicable to both menu and body of the Web Mail Client interface can be further defined for multiple domains in case IEMS 5 is set to handle multiple domains. Supporting multiple domains allows the users to log in using the different local domains created within the IEMS' Preprocessor unit and local Message Store. Further information regarding

this customization can be found in the IEMS Administrator's Guide, as well as online at <http://www.ima.com/support/faq/msgsrv/wmc/custom.html>.

Using the Web Mail Client, you can easily access your mail through any Internet connection and customize its interfaces to suit your style.

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Setting automatic reply to a message

When you do succeed in convincing your boss to grant a long overdue vacation, chances are you still cannot utterly free your mind from office work. A fear that a client you were hunting down to meet with might suddenly email his consent, or a buyer may suddenly decide to close a business proposal you concocted while you were away. These things really happen, and at unsuspecting times. But when they do happen, it is better to be prepared than sorry.

With Internet Exchange Messaging Server 5's **vacation utility**, you can enjoy your vacation without having to worry about incoming email that may

the main web interface of IEMS 5. The "End User Configuration" interface appears. Click the **Message Store** button to display its page. Once here, click the **Configure Mailsort** button on the left menu frame to display the "Mailsort Start" page.

Note: The "Mailsort Start" page will appear if the user has never entered any filter information. Otherwise, the "Mailsort Filter Information" page will appear.

In either case, the user must click the **Vacation Message** button. On the "Mailsort Vacation Message" screen, type the subject first, then compose



the vacation message to be sent out as reply to incoming messages. Then, save the message by ticking on the **Save** button. Proceed to the "Mailsort Filter Information" screen. Click the **Add** button to display the "Mailsort Add Filter" screen. Select the **To:** header from the **If** pull-down menu. In the **contains** field, enter your email address. Click the **Send Vacation Message** option and select **Yes** from the **Filter Continuously** option. Then, click the **OK** button.

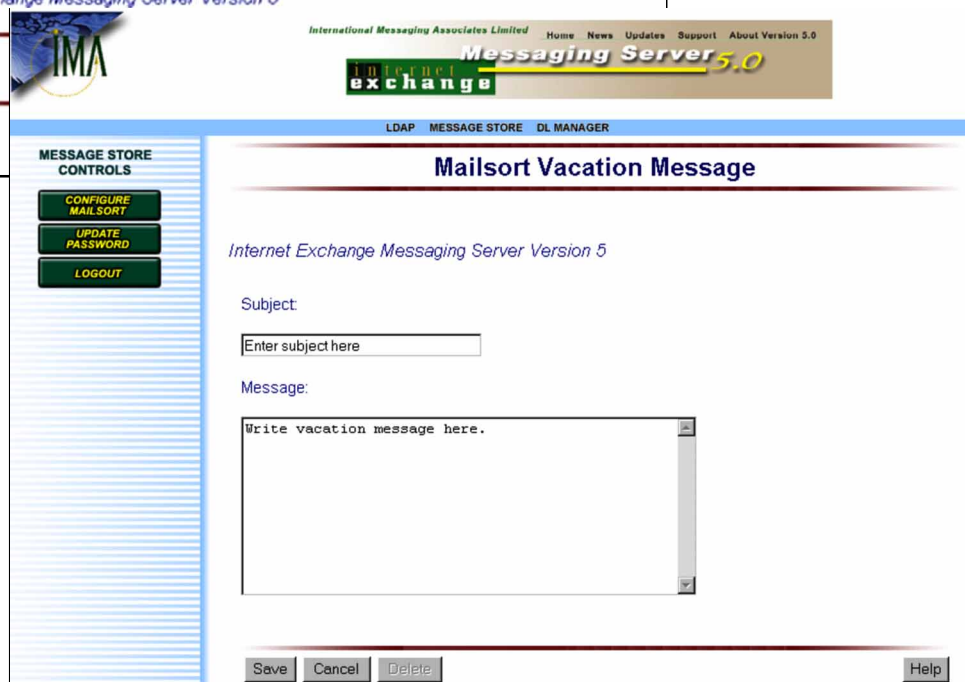
Note: The vacation utility does not generate a vacation message for messages generated by distribution lists.



go unanswered during the time you are away.

This vacation utility allows you to configure IEMS 5's Mailsort module to send out automatic replies to incoming messages (once in seven days) while you are on leave.

To activate the vacation utility, click the **End Users Configuration** button on





Q We have Internet Exchange version 3.11 running under Windows NT 4, SP3. The cc:Mail post office is on Novell Netware 4.11, SP6a. I am wondering, can Internet Exchange version 3.11 redirect email to another Internet address other than the cc:Mail mailbox address?

A Yes. Internet Exchange version 3.11 is capable of redirecting email to another Internet address by adding an auto forward address. Should you wish to add an auto forward address for John Doe for example, you can do so by following these steps:

1. From the "Internet Exchange version 3.11 Control Panel" window, click the **Configure / Setup** button to display the "Internet Exchange for cc:Mail setup" screen.
2. Click the **Users** tab. The "Users Option" window will appear. Type John_Doe in the cc: Mail user name textbox. Type the Internet address (e.g. ima.com) in the Internet Address textbox provided. Click **Add** button.
3. Highlight the appropriate address from the list of users.

4. Click the **Edit Forwarding Addresses List** button to display the "Forwarding Address for "domain name" window. Add the forward address John_Doe@ima.com to the forwarding address given by the system administrator.
5. Click the **Update** button, then by press **OK** button in the "Internet Exchange for cc:Mail setup" screen to save the new setting.

Q I installed Internet Exchange Messaging Server (IEMS) on Windows 98, including the Lotus Notes connector. When I run the system, the NOTESIN and the NOTESOUT module terminates. Is there any solution to this?

A This is a known issue of IEMS when installed in Windows 98. The NOTESIN and NOTESOUT modules terminate because the Windows 98 TCP stack runs out of memory. When this happens, IEMS modules and all TCP based client software cannot make new connections.

To avoid this problem, it is recommended that Windows 98 be replaced with a more robust operating system like Windows NT or Linux.

Q I installed IEMS on Windows NT together with the Lotus Notes connector. I used "server.id" to connect to the Domino server 4.x.

When I run the Notes migration tools and tried to authenticate to the Domino Server, the Notes authentication failed. What might be the cause of this problem? How can I solve this?

A The Notes Vendor Independent Messaging (VIM) interface, which the IEMS Notes Connector uses to access the Domino Server, requires that a Notes user ID be used to open the Notes address book. In this case, the Notes migration authentication failed because a server ID "server.id" was specified instead of a Notes user ID.

To fix this problem, configure IEMS to use a Notes user ID by installing a Notes client on the machine where IEMS is running. To install, please see <http://www.ima.com/pdf/notes5config.pdf>. After installation, run the notessetup.exe file located in the IEMS directory. Then, click the **Submit** button to save new settings.

