

InterMail^{Kx}[®]

R E L E A S E N O T E S

Software Version 4.2

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InterMail Kx 4.2 Release Notes

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What's New in InterMail Kx 4.2

InterMail Kx 4.2 fixes critical bugs from previous Kx releases, incorporates many InterManager improvements, and offers the following new features:

- Integrated WebEdge
- License key enhancements
- SSL support for IMAP
- IMAP server keyword support
- SDK for C and Perl APIs
- MSS changes
- MTA Changes
- Miscellaneous features

Integrated WebEdge

WebEdge is integrated into InterMail Kx 4.2.

Note: Integrated WebEdge on SGI is for lab use only. The General Availability release for Integrated WebEdge on SGI will follow the Kx 4.2 release.

Highlights of WebEdge in this release are:

- Existing WebMail 4.1 and Standalone WebEdge address books can be migrated to the WebEdge address book format.
- WebEdge contains a link to SelfCare, and the two require only a single authentication.
- When a user logs onto port 80, the user is given a choice among InterManager system administrator and organization administrator functions, WebEdgeMail, WebMail, and WebEdge Administrator.
- WebEdge can be controlled by `imservctrl` and `imctrl` and monitored by `imsysmon`.
- Per-user options for WebEdge are stored in the Message Store Server (MSS) database and can be obtained using the InterMail API.

See “WebEdge Release Notes” on page 21 for details about Integrated WebEdge.

License Key Enhancements

InterMail Kx license keys have been extended to include a time limit, so that use of the software can be limited to a specific period of time. New license keys include an expiration date tag. Old keys without an expiration date tag will never expire.

SSL Support for IMAP

In this release, SSL support has been extended for IMAP.

The following new configuration keys have been added to support this feature:

```
/*/imapserv/sslCacheAgeSeconds
/*/imapserv/sslCacheBucketLen
/*/imapserv/sslCacheBucketNum
/*/imapserv/sslCertPassword
```

The class-of-service attribute `pref_imapssl` has also been added to allow accounts to access the SSL connection to the IMAP server. There is no difference between the SSL support for the IMAP server and SSL support for other supported servers such as the POP Server.

IMAP Server Keyword Support

The IMAP server provides support for keywords as defined in RFC 2060.

- The IMAP client can set and clear keywords with the `STORE` command.
- The IMAP client can search on keywords with the `SEARCH` command.
- The response from a `SELECT` command will have the list of keywords which are set for the list of messages for the selected folder.
- The configuration key `maxKeywordLength` is used to limit the length of the keyword string for a message.
- There is overhead of 1 byte per keyword for internal storage. For example, if a message has two keywords, the longest these two keywords can be is $\text{maxKeywordLength} - 2$, where 2 is the number of single-byte delimiters (one per keyword).

There are some ambiguities to RFC2060 with respect to the setting and clearing of keywords. The IMAP server does the following:

- Keywords are treated as case-insensitive but stored/represented as case-sensitive.
- Setting keywords for a message can fail only if there is not enough space (total length > `maxKeywordLength`).

- Setting keywords using the `STORE` command is an autonomous operation per message. For example, if the client tries to set three keywords for a message and the total length exceeds value of `maxKeywordLength` with the second keyword, the `STORE` command fails and there is no change in the keyword setting for that message.
- If keywords are set with the `STORE` command for a set of messages and one of the messages fails, the `FLAGS` response for that message is not returned, and the `STORE` command returns `NO` (failed).
- Setting a keyword for a message that already has that keyword set will succeed. Clearing a keyword for a message that does not have that keyword will also succeed.

SDK for C and Perl APIs

The SDK consists of:

- Example code
- Online man pages for the C API
- README files with instructions for provisioning accounts, mailboxes, and other resources used by the examples

The SDK is located under the directory `$INTERMAIL/sdk`. The library images are located under `$INTERMAIL`, so the SDK does not attempt to duplicate these libraries. The C and C++ header files are delivered as part of the product and are, therefore, not duplicated in the SDK.

MSS Changes

The following changes have been made to the MSS:

- It is possible now to deliver near-quota messages based on the number of messages in the mailbox as well as the total mailbox size.
- A new configuration key, `popLockIdleTimeout`, allows a timeout to be set for the amount of time a client can hold the pop lock without issuing any commands.
- The `ProcLaunchReport` log message now includes the version of the server. This allows easy identification of which `ProcLaunchReport` message corresponds to which version of the server, should there be a question when patches have been applied and then backed out.

MTA Changes

The following changes have been made to the Message Transport Agent (MTA):

- A feature has been added to allow the SMTP banner to be configurable rather than making it take `hostname/domainName`.
- A method of thwarting RCPT TO: harvesters has been added in version 4.2. This functionality distinguishes between accounts locked due to aging and accounts locked due to harvesting attempts.

Miscellaneous

This section describes other features:

- The database file checkpointing algorithm has been modified to stagger the checkpoints rather than doing them for all database files at once. This improves performance of the MSS and Directory server.
- Bidirectional import/export utilities have been integrated into the installation procedure. The tools are located in the `$INTERMAIL/bin` and `$INTERMAIL/lib` directories.

New Configuration Keys

The section lists the configuration keys have been added in this release. Descriptions of all the configuration keys listed in this section are available in Chapter 2 of the *InterMail Kx Reference Guide*.

- `allowTLS`
- `checkPointInterval`
- `checkPointRetryInterval`
- `dirServName`
- `InterMailVersion`
- `licenseWarnThresholdDays`
- `maxKeywordLength`
- `noLocalDelivery`
- `popLockIdleTimeout`
- `rcptHarvesterCount`
- `rcptHarvesterTTLMinutes`
- `rcptMaxHarvesters`
- `rcptPotentialHarvesterTTLMinutes`
- `rejectSenderBadAddress`

- RTMIabortOnSharedMemoryFail
- RTMIDisable
- trackRcptHarvesters

The following SSL configuration keys have already been documented for the POP server and the MTA. They are being added for the IMAP server with identical names, except for the server type preface. For more information on these keys, see the *InterMail Kx Reference Guide*.

- sslCacheAgeSeconds
- sslCacheBucketLen
- sslCacheBucketNum
- sslCertPassword
- sslImap4Port
- sslUseSessionCache
- sslImap4Port

New Class-of-Service Attributes

This section lists class-of-service attributes that have been added in this release :

- The `pref_imapssl` class-of-service attribute has been added in this release.
The `impatch` utility adds this class-of-service attribute and updates the `Default` class-of-service with the new attribute.
- WebEdge uses the `pref_webmail` class-of-service attribute.

New Log Events

The following log events have been added in this release. Descriptions of all the log events listed in this section are available in Chapter 9 of the *InterMail Kx Reference Guide*.

- ConfLicenseExpired
- ConfLicenseExpiringSoon
- MsKeywordTooLong
- PopProxyLoopDetected

The following log events may appear because they are part of the new IMAP server, but they are not part of the InterMail Kx installation.

- AcctNontrustedLogin
- AcctSslImapNotAllowed
- CacheUpdateTimeTooLong

- ConfParmError
- MsDeliverFolderNotFound
- MtaHeaderRewriteFailed
- MtaHeaderNotTerminated
- MtaQueueServerIterationMismatch
- MtaRcptHarvesterDropped
- ProcSetThreadCapabilityFailed
- RmeConnectionUnavailable

API Changes

This section lists changes made to the APIs.

- Two new functions have been added to the InterMail C API to support the license key expiration functionality.
 - `IM_IsLicenseExpired()` uses true/false values to tell you whether your license has expired.
 - `IM_IsLicenseExpiringSoon()` uses true/false to tell you whether your license is expiring in the number of days defined in the `licenseWarnThresholdDays` configuration key.

InterMail Kx 4.2 General Notes

Note: All information in this document applies to all the four platforms on which Kx 4.2 is released—SUN, HP, IBM, and SGI. Exceptions, if any, are mentioned in the appropriate places.

Operating System Requirements

This section lists the operating system requirements.

OS Versions

The OS versions valid for this release are:

- SUN Solaris v2.6
- SGI v6.5.5
- AIX v4.3.3 (GA released version only)
- HP UX v11.00.43

OS Patch Levels

The OS patch levels for this release are:

- SUN Solaris
 - -16 9/29/99
- SGI—none
- AIX —none
- HP—11.00.43 extension pack and the Y2k_11_00 patch

The previous version of the Release Notes stated that we support HP 11.00.43 with the 64-bit kernel patch only. That is incorrect. InterMail Kx 4.2 supports HP 11.00.43 with the default 32-bit kernel.

Note: It is recommended that customers obtain operating system software directly from the operating system vendor. However, some operating system vendors may provide only the most recent patch set through their easily accessible website. If you are having difficulty in obtaining these patch kits, please contact Software.com by sending a request to ship.team@Software.com.

InterMail Kx Directory Database Platform

The Sleepycat version in this release is:

- Sleepycat version 2.6.6

Supporting Documentation

InterMail Kx 4.2 comes with the following revised manual set:

- The *InterMail Kx Operations Guide* discusses the day-to-day operational tasks that will be required to successfully configure, monitor, and run an InterMail system.
- The *InterMail Kx Reference Guide* describes server architecture, available configuration keys, and administrative commands, and a complete list of events that are recorded in log files.
- The *InterMail Kx Installation Guide* describes pre-installation background information and issues, complete step-by-step instructions for the installation of the InterMail system, and post-installation test procedures that should be used prior to operation.
- The *InterMail Kx Migration Guide* includes instructions on how to migrate account information and mailboxes from Sendmail and Post.Office.

InterMail Kx 4.2 also includes the following online documentation:

- A full set of UNIX manual (man) pages for the administration utilities, located in the `$(INTERMAIL)/man` directory.
- InterMail Kx log events information in HTML format, viewable with your Web browser.
- The `imcmdlist` utility, which produces a short, descriptive list of InterMail administration commands. This list is not definitive and should be used with the more comprehensive *InterMail Kx Reference Guide*.
- A set of man pages for the C API, located in the `$(INTERMAIL)/sdk` directory.

InterMail Kx Installation Notes

The InterMail Kx 4.2 release includes both a complete installation package for new customers and a patch for existing customers upgrading from Kx 4.1.x. All users should review the *InterMail Kx Installation Guide* before installing InterMail.

New Customers

If you are a new InterMail Kx customer, you can install InterMail Kx 4.2 directly. To do so, follow the installation instructions provided in the *InterMail Kx Installation Guide*.

Existing SUN Solaris Customers on a Version Prior to 4.1.0

If you are an existing customer running InterMail Kx on the SUN Solaris platform, you must be on InterMail Kx 4.1 to upgrade to the InterMail Kx 4.2 release. If your InterMail Kx/Solaris system is at version 4.0.x, you must apply the 4.1.0 release first. Once you are at Kx 4.1, continue with the steps for customers on the 4.1.x release listed below.

Existing Customers on the 4.1.x Release

To upgrade from InterMail Kx 4.1 to 4.2, see the following section, *Upgrading from InterMail Kx 4.1 to 4.2*, which describes procedures for upgrading InterMail Kx for either a single-host or a multi-host installation.

Note: Since the C API `libim.so` delivered with this patch is updated from the previous release, any custom programs using the C API must be relinked using the new version delivered in this patch.

Upgrading from InterMail Kx 4.1 to 4.2

This section describes the process of upgrading from InterMail Kx 4.1 to InterMail Kx 4.2.

Prerequisites

- Your current version of InterMail Kx must be 4.1 on all platforms other than HP-UX, which must be at InterMail Kx Version 4.1.1.

Upgrade Procedure

In this procedure, `<osname>` refers to a directory that corresponds to your operating system, such as `sun`.

Perform the following steps on each host in your InterMail Kx system.

Note: In a multi-host system, it is recommended that you install the `imdirserv` host first.

1. Copy the 4.1 patch archive to a temporary directory on the host being upgraded.
2. As root, decompress and untar the 4.1 patch archive:

```
su
uncompress *.Z
tar -xvf InterMail.patch.40-201-232-116.<osname>.tar
```

3. As root, run `impatch`. This can be found in the `InterMail.patch.40-201-232-116.<osname>` directory under the directory in which you untared the patch file:

```
su
cd ../tmp/InterMail.patch.40-201-232-116.<osname>
./impatch
```

4. Respond to the following prompts:

Prompt	Response
Shut down InterMail prior to applying patch? (Yes/No/Quit) [Yes]:	Yes
Do you want to install Integrated Webedge on this Host? (Yes/No/Quit) [Yes]:	<ul style="list-style-type: none"> • Yes if want to install WebEdge on this host • No if you do not want to install WebEdge on this host • Quit to stop the installation process

5. After upgrading the `imdirserv` host, add the following configuration key to the `$INTERMAIL/config/config.db` file using the `imconfedit` utility:

```
/*common/checkPointInterval: [1]
```

6. Restart the servers:

```
su - imail
cd $INTERMAIL/lib
imservctrl start
```

7. If this is a multi-host system, repeat Steps 1 through 6 for each additional InterMail Kx host in the system.

Upgrade Notes

- **Log files**—The upgrade script creates a log called `install.log` in the `$INTERMAIL/patch/InterMail.patch.40-201-232-116.<osname>` directory. This log can helpful if you need to resolve errors that occur during the upgrade process.

- **Update COSAttributes error** —While upgrading from Kx 4.1 to 4.2, you are likely to see the following:

```
Running 'updateCosAttributes'updateCosAttributes:
WARNING: COS attribute pref_imapssl already exists.
Will continue with addition of COS attribute to default COS.
updateCosAttributes:
SUCCESS: Created pref_imapssl attribute, and assigned to COS
default
```

You can ignore this error.

Cautions and Special Instructions

- On SGI, Integrated WebEdge is only for lab use. The General Availability release will follow the Kx 4.2 release.
- Before restarting the 4.2 imdirserv, it is critical to perform the step in “Upgrading from InterMail Kx 4.1 to 4.2” on page 9 of adding the configuration key to the imdirserv host config.db:

```
/*common/checkPointInterval:[1]
```

- If you are using InterManager, it is important to note that imaccountimport will not correctly import users into InterManager. To create users, you must use the InterManager API, or format your data for use with imbatchload.
- To use WebEdge, set the pref_webmail class-of-service attribute to 1.
- The WebEdge server should be started or shut down only with imservctrl. Using server start and server stop is not recommended.
- (ITS 54217) Only on new installations, to avoid possible data corruption in either the MSS or Directory databases and to increase their performance, modify or add the following configuration keys with the values shown using the imconfedit utility:

```
/*common/dbLogFileMaxSizeKb: [2048]
/*mss/numMboxDbFiles: [64]
/*mss/numMsgIdDbFiles: [64]
/*imdirserv/ldapNumEntryDbFiles: [64]
/*imdirserv/ldapNumIndexDbFiles: [64]
```

The previous version of the Release Notes stated that the values for the configuration keys listed above should be changed for both new installations and upgrades. That is incorrect. You should change these values only on new installations.

- When supplying the InterMail installation directory path, do not terminate it with a slash. This will result in an extra slash entry in file locations in the httpd.conf, and httpd will not work. As a workaround, correct the paths in \$INTERMAIL/httpd/conf/httpd.conf.

- If a machine is configured without enough file descriptors, the POP server hangs. (ITS 25480)

Use the following workaround to ensure that a sufficient number of file descriptors are allocated:

```
maxPC popserv/maxSessions
maxIC imapserv/maxSessions
%LM % of large messages
maxMDT max mta deliverer threads allowed to run for a set of mss's
(i.e.
one logical host).
numMH number of logical hosts running mss's
numDRC common/dirRmeConnections
numMBDF mss/numMboxDbFiles
numMIDF mss/numMsgIdDbFiles
numUDF imdirserv/numUserDBFiles
numEDF imdirserv/ldapNumEntryDbFiles
numIDF imdirserv/ldapNumIndexDbFiles
numSAT mta/smtpAcceptNumThreads
numSDT mta/smtpDeliverNumThreads
numSQT mta/smtpQueueProcessNumThreads
numLDAP max number of LDAP connections
FF fudge factor (25)
```

Use the following formulas to compute maximum open file descriptors:

```
popserv_max_fds = maxPC * (2 + %LM) + numDRC + FF
imap_max_fds = maxIC * (2 + %LM) + numDRC + FF
mta_max_fds = numDRC + FF * 2 +
              (numSDT + numSAT + numSQT + maxMDT * numMH) *
              (1 + 2 * %LM)
mss_max_fds = ((1 + %LM) * (maxPC + maxIC + maxMDT)) +
              3 * (numMBDF + numMIDF) + numDRC + FF
dir_max_fds = 3 * (numUDF + numEDF + numIDF) + numLDAP + 2 * numDRC
              + FF
```

For all other servers; `max_fds` = max (64, or whatever the system default is)

For example:

```
maxPC = 1000
maxIC = 1000
%LM = 10%
maxMDT = 40
numMH = 1
numDRC = 40
numMBDF = 8
numMIDF = 8
numUDF = 1
numEDF = 8
numIDF = 8
numSAT = = 10
numSDT = 10
numSQT = 10
numLDAP = 5
```

```
popserv_max_fds: at least 2165
imapserv_max_fds: at least 2165
mta_max_fds: at least 174
mss_max_fds: at least 1257
dir_max_fds: 64
```

Defects Corrected

The following defects have been resolved in this release.

- 18518 Need quota msg count threshold.
- 19762 Log file rollover gets messed up when daylight time ends.
- 21515 Cannot access InterManager with 2 cookie domains.
- 22631 RME errors - MTA <-> MSS communication can get out of sync if msg all nulls.
- 23054 Allow SMTP banner to be configurable rather than take hostname/domainName.
- 23859 Removing users returns error.
- 25314 SA and OA cannot delete addresses from "Additional SMTP Address:".
- 25760 Creating user with both UPPER and lower cases causes errors.
- 44343 WebMail navigation buttons appear when logged into Self Care standalone.
- 44354 Crash when doing acirule replace with no old attribute.
- 44372 IP checking is slow.
- 44686 IMAP keywords capability.
- 45052 Need a method to defeat/thwart RCPT TO: harvesters.

- 45448 InterManager deletion of accounts leaves the database in an unstable state.
- 45508 HTTPD needs same compile options as what is currently running at “customer”.
- 45678 Perl API Account.xsh has leak in Read(account_ptr)
Account::Read() memory leak.
- 46403 The numusers attribute incremented 2 when user is moved to new COS.
- 46710 Multinode issue; can't create users if httpd is on non-MSS host.
- 47059 “Customer” needs an MTA that does no local delivery to thwart "evil Provider" problem.
- 47356 Truncated (corrupted) messages in MSS after the Message File system filled to 100%.
- 48389 Mime parser not handling empty mime headers correctly.
- 48527 MTA doesn't write From: header properly.
- 48617 Accounts migrated cannot be modified through the InterManager interface.
- 48621 The checkAuthentication key is being ignored.
- 48926 If SSL is disabled, we still allow the STARTTLS command (and crash)
- 49381 Accounts created show up via imdbcontrol with POP delivery disabled
- 49386 MTA doesn't pick up change for unset wildcard account.
- 49526 MSS should time out POP locks.
- 49991 Proxying doesn't work when client IP has no DNS entry.
- 50196 Uncovered a new problem with deleting Person objects.
- 50645 RCPT To: harvesting needs to work with Locked/Suspended accounts.
- 51111 C-API sample program fails for IM_DeleteForward.
- 51627 Differences between InterManager Modify user and imdbcontrol regarding COS.
- 52283 Need to correct database at customer site for problem with space in DN.
- 52321 Problems with pthread_exit(); remove pthread_exit().
- 52849 Old messages (11 days) stuck in imqueueserv on mssA at customer site.
- 52951 blockLocalNoAcct set to true looks up remote addresses as well as local.
- 53536 imimapboxcopy fails rest of batch after single failure.
- 54080 Need to strip off the Bcc: line.
- 54580 imsysmon returns errors on all disk checks.

Known Issues

These are known issues in the Kx 4.2 release.

Installation

- 24555 Installation can fail if `/usr/sbin/tar` does not exist but `/usr/local/bin/tar` does. To work around this problem, make a link from `/usr/local/bin/tar` to `/usr/sbin/tar`.
- 53780 `imapserv` logs errors at startup, referencing

```
...Note;ConfBadCheckum...
```

This is due to incompatibility between the Kx 4.2 `imconfserv` and the new `imapserv`.

Uninstalling on IBM/AIX

- 55011 The AIX binaries are built to search for symbolic links instead of the actual versioned libraries, so `uninstall` will run without errors, but server restart will produce "Could not load ..." errors referencing `libomu.so`.

To work around this problem, change the symbolic links (`$INTERMAIL/lib/libomu.so` and `$INTERMAIL/lib/libim.so`) to point back to the 4.1 libraries after you unapply the patch:

```
cd $INTERMAIL/lib ; rm libomu.so ; ln -s $INTERMAIL/lib/libomu.so.4.5 $INTERMAIL/lib/libomu.so
```

InterManager

- 12500 Set server host on authentication form.
- 24907 OA COS display is incorrect.
- 44521 Get incorrect error when trying to add more Org Admins, Org Admins not added.
- 44547 Can create more aliases than value specified in `pref_numaliases`
- 44605 Admin login times out during URL queries for user searches.
- 44732 As SA (or any OUA) can't edit the quota limits of a user.
- 45018 Although the GUI now prevents users from modifying an admin's SMTP address, similar preventive code has not been incorporated into `imdbcontrol`. If such modification is attempted through `imdbcontrol`, it will result in the admin login error "You do not have permission to view this form".
- 45096 InterManager cannot find users in non-primary domain if made with `imdbcontrol`.
- 45615 User query fails for too many users, gives strange error.

- 46639 The Providers tab is incorrectly displayed when the customer service administrator is logged into SA view. Selecting the tab will produce the following error:

You do not have permission to view this form.

- 48048 imbatchload can not set account to Proxy
- 49182 Unable to list accounts in orgs with thousands of accounts
- 49582 In an organization with a number of organizational units, the organizational unit administrator of one organizational unit can change the organizational unit of a user he or she created to an organizational unit to which he or she does not have access.

To work around this problem, have the user be reassigned to the original organizational unit by the site administrator.

- 49664 imbatchload core with invalid db
- 49665 imbatchload not ignoring blanks on "blank" line
- 50598 Epix Internet:modify a person's attribute (like sn) in InterManager gets garbage
- 51122 Batch Load of LDAP database presents confusing input string can hose data.....
- 53251 searches with leading/trailing spaces fail

Users cannot be found for an Organization if a trailing space exists in the organization name, but was not present in the 'Find' value. For example, "foo" is not interpreted the same as "foo".

As a workaround, whenever there is question about a trailing space in an organization name, access the Find Users screen from the main Organizational Edit page. The Organization name will appear with trailing spaces, if they exist.

- 53658 The administrator of an organizational unit can corrupt that organizational unit by deleting his Org unit. Symptoms at time of OUA's delete attempt will be:

"Error Can't read first. unknown user"

and as the SA, from the Org view, selecting that OU link:

"Error No such object ".

- 53870 Sub-org hierarchy not showing up in the Org view listing after 'drilling down and back up' to top level.
- 53890 Some browsers may present an intermittent problem moving from page to page where you may notice that the left side of various pages are not displayed properly. (This has been observed in both Internet Explorer and NetScape.) When the browser is refreshed/reloaded, the display is corrected.
- 53999 If license expires, creating orgs or users get "Constraint violation".

- 54020 pattern searches for org under the user tab does not accept the meta char " * "
- 54120 and 54989 Internet browsers show HTML text when you click on the help link within the provider tab and Edit User page.
- 54453 InterManager problem with imbatchloading new account
- 54570 The last (most recently created) organization's member names do not list in find all users in ORG*. When you add an organization after, it is the one missing from the find list.
- 54789 imdbcontrol operates above InterManager

In many cases, you can use imdbcontrol to do operations on the InterMail directory that would otherwise not be allowed or would cause conflicts in InterManager GUI administration.

You can change a user's COS with imdbcontrol to a COS that is not available in the organization that the user was created in. If you view that user's information after you make the change, the GUI will show the default COS.

- 54817 Selecting the User tab and then Find does not find all users as expected. Using a partial username followed by * works as expected.

WebEdge

- 51762 Although imservctrl will start and stop the WebEdge server, imservping will not talk to it.
- 54791 Should the default admin user log in to WebEdge immediately after server startup, the login may fail.
- 55077 If WebEdge servers fail to connect to imdirserv upon successful 'all or multi-server' restart, it is due to timing.

```
Error: imservctrl: Executing /scratch/imap/webedge/server
start
```

```
Error connecting to InterMail Directory server: Couldn't
connect to LDAP server
```

To work around this problem, wait at least 30 seconds after restarting imdirserv before restarting the WebEdge server(s).

- 55081 ./server upgrade command does not work on Kx 4.2 SGI

When you go to the webedge directory and enter the command ". /server upgrade", you get:

```
sbs-qasgi4% ./server upgrade
Converting standalone and WebMail address books to InterMail format...
./server[288]: 55071 Killed
sbs-qasgi4% imdbcontrol -version
imdbcontrol: K.4.02.00.00 201-232-116 (IRIX - MIPS - Software.com) (RME
Version 107)
Wed Nov 3 08:05:13 PST 1999
```

To work around this problem:

- a. As root, enter the following:

```
cd $INTERMAIL/webedge
chmod 700 server
```

- b. Edit the file `server`.

- c. Change the line that reads

```
 ${JIMI:-${JAVA}} ${ADDBOOKUPGRADECLASS} ${1+"${@"}"}
to
 ${JIMI:-${JAVA}} ${JVMOPTS} ${ADDBOOKUPGRADECLASS} ${1+"${@"}"}

```

- d. Save the file.

- e. Change permissions:

```
chmod 500 server
```

- The conversion of WebMail addresses affects only WebEdge sites using the InterMail protocol to communicate with the message store. Two copies of the address book are stored. If you decide to use WebEdge, you can delete the WebMail address books using an SQL query.

Note: Migration from the WebMail address book to integrated WebEdge happens automatically when the user logs in to integrated WebEdge for the first time by selecting the "WebEdge Mail" option on the Web interface. Once the WebMail address book is converted to WebEdge format, changes to the WebMail address book are not reflected in the WebEdge address book. Similarly, changes in the WebEdge address book are not propagated back into the WebMail address book.

- 56417 In Webedge, if you have a message in your `Inbox` with a date in December, for example December 1, the date will show up as "ERR1" instead of "Dec1". This is true for all dates in December.

The fix for this will be provided in a forthcoming patch.

Database

- 45974 The order of the indices list in the configuration file is meaningful. You should add indices only at the end of the list, unless you rebuild the indices immediately after adding them, before any other activity takes place.

If you must indices without a rebuild, you can add them at the end of the list on the fly. But if there are existing rows in the database to be included in the new index, they will not have that index.

- 54790 The README.txt file in the `Replication_Docs` directory is wrong. The README file states the following:

bin/xlatreplog - Schema translation tool
bin/RepLog.pm - Support file for xlatreplog
etc/slurpd - LDAP replication daemon

All three of the files exist, but are in the `$INTERMAIL/lib` and not in the `bin` directory as mentioned in the README file.

- Documentation of the Kx Directory schema is not available with this release. It will be published at a later date.

SNMPV3 Utilities

- 44781 SNMPv3 utilities. If the `getbulk` utility returns the following error,

```
"getbulk -v3 localhost public 1 0 ifIndex.1  
OpenConfigFile: can't open /imail/imail/snmp/mgr.cnf with mode 1"
```

you should note that `mgr.cnf` is a file that contains access control information specific to the deployment. Whenever `getbulk` is to be used, the file needs to exist on the machine running `getbulk`. Hence, if you intend to run or test V3 utilities you need to begin by creating `mgr.cnf`.

Miscellaneous

- 25514 `imctrl` drain timeout waiting on `imdircaheserv`, hangs forever.
- 44083 `imservdisplay` not handling `snmpdm`
- 44991 `imservping` doesn't know about `imcfgdbserv`
- 45126 Problems with addresses.
- 45127 Need better choice of internal ID.
- 45614 Add new log events to `/mercury/omu/msgdocs`.
- 45926 `imapserv` cores from deferencing a null pointer.
- 47954 If your site has the required license for IMAP and you want to use the Microsoft Outlook client to view messages with IMAP, you must have `pref_imapssl` set to 1. If `pref_imapssl` is set to 0, you will not be able to view your messages because Microsoft Outlook will enter an infinite loop.
- 48061 `intermailStartStop` has a library issue, probably because of an unsupported OS.

This is the result of Kx 4.2 being run on unsupported patch levels for Sun.

```
imservctrl: starting imcfgdbserv  
  
ld.so.1: /usr/local/imail/bin/imconfget: fatal: libomu.so.4.6: open  
failed: No such file or directory  
  
.....  
  
imservctrl: Error: could not launch imcfgdbserv
```

All other servers start fine.

To work around this problem, edit the `~/lib/intermailStartStop` file. Add the `'` after the `su` command on line 376 so that when the tool runs as root, it assumes all of the environment of the `imail` user, including the `LD_LIBRARY_PATH`.

- 48769 `imdbcontrol SetAccountQuota (saq)` usage incorrect
- 49189 Can't edit `config.db` to deny RME access on same host running `imconfedit`.

The workaround is to edit with the Configuration server down.

- 49255 Status returns 0 although not able to create with calls from `IM_CreateAccount`.
- 51172 Crash in `add_lastmods` when trying to modify entry.
- 52023 HP-UX needs Smartheap 5 to run on a uni-processor box.
- 53248 `imdbcontrol` shows different values from `imcacheread` (`imdbcontrol` is incorrect)

WebEdge Release Notes

Table of Contents

- Supporting Documentation
- System Requirements
- Cautions and Special Instructions
- Defects Corrected
- Open Issues

Supporting Documentation

WebEdge applications come with the following documentation:

- *readme.txt*, which contains information about accessing the administrator and user interfaces, starting and stopping the server, uninstalling the WebEdge server, and using the UNIX WebEdge server commands.
- *Administrator online help*, which discusses administrator tasks for configuring and customizing WebEdge.
- *End-user online help*, which describes tasks for using WebEdge mail.

System Requirements

Hardware Requirements

System requirements are:

- Memory: 512 MB minimum, 1GB recommended per 10,000 concurrent users
- Disk space: 4GB recommended per 10,000 concurrent users

Software Requirements

WebEdge runs on the following platforms and requires the patches listed below:

Platforms	Operating System	Required Patches
SUN	SUN Solaris 2.6	105490-05 105284-15 105181-11 106040-10
HP	HP-UX 11.00	PHKL_14750 PHKL_17935 PHKL_18543 PHCO_17556
SGI	IRIX64 6.54	none
IBM	AIX 4.3.3 (GA released version only)	none

Web Browser Requirements

WebEdge works with any standard HTML browser. Netscape Navigator 4.05 or Internet Explorer 4.0 or later is recommended but not required. However, to access the administrator interface, you need a browser that supports JavaScript and frames.

Note: If you are using Internet Explorer 3.0 and want to create attachments with the Browse button, upgrade to version 4.0 or 5.0.

Cautions and Special Instructions

This section identifies issues with the current software and provides special instructions that must be followed to ensure successful operation. You should not install WebEdge without first reviewing this information.

Help Window

If the Help window is open in the background and you click Help in the main menu, the Help window is not activated. To activate the open Help window, click it.

Logging in to WebEdge

To log in to WebEdge using Netscape Navigator, tab to Enter and press the spacebar.

Sent Messages and SentMail Folders

If you are upgrading from WebEdge 2.0, and you save your outgoing messages, this version of WebEdge stores your messages in the SentMail folder instead of in Sent Messages. The SentMail folder is created when you first save your outgoing message. If you want to keep all your saved outgoing messages in one folder, transfer the messages from Sent Messages to SentMail and delete the old Sent Messages folder.

Corrupt Package Error Message

If you receive an error message during installation stating the package is corrupt, check to see if your disk is full. A full disk sometimes generates this error message.

Uninstalling WebEdge

When WebEdge is uninstalled, the installation directory and its files are removed and all data stored locally by the WebEdge server is deleted. Normally, all data is stored locally except for messages and any data specifically moved to an external database.

Examples of local data are:

- Separately installed files, such as files in the `config_mdn/extlib` directory
- Modified configuration files
- Customized templates
- User's address book and user options data

To preserve an existing configuration or user data, install the new WebEdge release over the earlier release without uninstalling the existing version.

Migrating User Data

You can migrate users' personal information for:

- Address books
- User options

Migrating from WebMail to WebEdge

WebMail address book and user option information is automatically converted into integrated WebEdge format upon logging in to WebEdge for the first time.

Note: Migration of the WebMail address book occurs only if an integrated address book does not already exist. Also, if a user has both WebMail and standalone WebEdge signature and display options, only standalone signature and display options are migrated.

There are some differences between the WebMail and WebEdge address books. WebEdge migrates address book information in the following manner:

- If there are multiple entries that share the same nickname in the WebMail address book, WebEdge stores the entries under `nickname`, `nickname1`, `nickname2`, and so on.
- If there is no nickname specified in the WebMail address book, the string in the `FirstName` field is automatically assigned as the nickname. If that nickname already exists in another address book entry, WebEdge appends a number to the nickname. The numbering begins at 1 and increases with each duplication of that nickname. For example, if the `FirstName` is Sue and the nickname Sue already exists, the new nickname becomes Sue1. If Sue and Sue1 already exist, the nickname becomes Sue2, and so on.
- If the full name is more than one word, WebEdge separates it into `FirstName` and `LastName`, with the extra character appended to the `FirstName`. For example, the name Sue M. Smith is separated as follows: `FirstName: Sue M.`, `LastName: Smith`.
- If the full name is only one word, it is assigned to `FirstName`.

Migration from Standalone to Integrated WebEdge

You can convert standalone WebEdge address book and user option information to integrated WebEdge format by running the migration tool.

Note: Migration of the WebMail address book occurs only if an integrated address book does not already exist.

To run the migration tool, go to the WebEdge directory and enter the following command:

```
./server upgrade
```

The standalone address book and user option information is converted to the integrated format.

Setting File Descriptors

A new field in the `config_mdn/mobility.cfg` file controls the number of file descriptors available. The field is called `fileDescriptors`, and by default it is empty.

If you receive “running out of file descriptors” errors, try increasing the value of the `fileDescriptors` field.

To set the number of available file descriptors:

1. Open the `config_mdn/mobility.cfg` file in a text editor.
2. Set the `fileDescriptors` field using a numerical value or the word `unlimited`, which sets the field to the maximum value (1024).
3. Save the file.
4. Restart the server.

Expanding Server Memory

There are two new fields in the `config_mdn/mobility.cfg` file that control server memory:

- The `startMemoryMB` field controls the initial starting memory size. The default value is 15.
- The `maxMemoryMB` field control the maximum memory size. The default value is 40.

To edit these values, open the `config_mdn/mobility.cfg` file in a text editor and modify the integer values.

WAV Attachments in Received Message

If you use Netscape, the browser plug-in that handles audio can play only files that have been successfully placed in the browser cache.

To enable WAV attachments:

1. Open the `config_mdn/mobility.cfg` file in a text edit.
2. Set `CACHE_ENABLED_MIMETYPES` to list MIME types for which caching is enabled for message attachments. For example, add an entry for `audio/wav;audio/x-wav`.
3. Save the file.
4. Restart the server.

Multilanguage Support

There are two types of multilanguage support:

- Static login selection
- Login page menu selection

Static Login Selection

The static login selection feature is always enabled. With static login selection, the login page URL that you enter selects the localized version of WebEdge you receive. For example, if you log on to the French login page, you receive the French version of WebEdge for the remainder of that login session. If you do not specify the localized version you want, you receive the login page specified by the server's `DEFAULT_LOCALE` value.

Login Page Menu Selection

The login page menu selection feature is always commented out of WebEdge. You can uncomment the drop-down menu to enable menu selection.

To enable login page menu selection:

1. In a text editor, open the following files:
 - `docs/index.html`
 - `docs/logout.html`
 - `admindocs/index.html`
 - `AdminTemplates/index.html`
2. Remove the HTML comment syntax around the drop-down menu.
3. Save the files.

You can now access the drop-down menu on the login page.

Note: There is no longer a check box to set a personal default language on the Administrator interface or the User interface login page.

Using the WebEdge Server Command

In the Server Command section of the *WebEdge readme.txt* the description for the UNIX server command is incorrect. The correct description is as follows:

The UNIX server command has four subcommands: `start`, `stop`, `upgrade`, and `version`. This command can be linked or copied into the `/etc/init.d` directory and used to start and stop the server during system shutdowns and reboots.

Note: You must start the server as `root`.

Note: Using the `server` command is not recommended. To start/stop the WebEdge server, use `imservctrl`.

Usage: `server { start [<options>] | stop | upgrade | version }`

<code>start</code>	Start the server(s).
<code>[-clearSessions]</code>	Start without restoring saved session data.
<code>[-foreground]</code>	Start the server(s) in the foreground (implies <code>-noRestart</code>).
<code>[-ms <x>]</code>	Sets the startup size of the memory allocation pool (heap) to <code><x></code> . The default is 4 megabytes of memory. <code><x></code> must be less than or equal to the maximum memory size (specified with the <code>-mx</code> option).
<code>[-mx <x>]</code>	Sets the maximum size of the memory allocation pool (heap) to <code><x></code> . The default is 16 megabytes of memory. <code><x></code> must be greater than or equal to the startup memory size (specified with the <code>-ms</code> option).
<code>[-noRestart]</code>	Start the server(s) only once (disables automatic restarts).
<code>stop</code>	Stop the server(s).
<code>upgrade</code>	Upgrade standalone address books to InterMail format.
<code>version</code>	Display the version information on <code>STDOUT</code> .

Additional Information

- Entering a default mail server in the administrator interface has no effect on user login with integrated WebEdge.
- The Mail Server field on the login page is ineffective with integrated WebEdge.
- If integrated WebEdge autoreply and vacation options are not available when you switch from POP or IMAP protocol to InterMail, shutdown the browser, log out of WebEdge, then restart the browser and log back in.
- If a message is received but the `From` field contains an e-mail address rather than the name that the sender specified in the Options page, set up the MTA to override the "personal name" specified by the sending agent. If the parameter is not disabled, the MTA rewrites the `From` field if the `commonName (cn)` in the MTA's database does not match the `Name` entry on the Options page.
- Netscape Communicator 4.51 crashes when you delete pages with a message size of 100 messages. This is a problem with Netscape and not WebEdge. Set the number of messages per page to 50 to avoid this problem.
- WebEdge does not parse uuencoded attachments. Send MIME encoded messages instead.

Defects Corrected

The following is a list of issues that have been corrected.

- | | |
|-------|---|
| 48985 | When you send a message to an illegal local address and the MTA has <code>verifyRCPTs</code> enabled, WebEdge displays an error. |
| 53417 | An error occurs when parsing email addresses with commas in quoted names. |
| 53421 | If you receive a message with an URL in it, the URL is displayed as a link when you read the mail; however, when you reply to the mail, the entire anchor tag is included in the quoted text. |

Open Issues

Requests for correction have been submitted against all of the following issues.

- | | |
|-------|--|
| 54870 | A <code>cc:</code> entry is added to the message even if one is not specified. |
|-------|--|