

Release Notes for Sun™ ONE Messaging Server

Version 5.2 Patch 1

Part # 816-6456-10

June 2003

These release notes contain important information about Sun ONE™ Messaging Server 5.2 Patch 1. Features and enhancements, installation notes, known problems, and other late-breaking issues are addressed here. Read this document before you install Messaging Server.

NOTE On August 1, 2002, iPlanet became a core component of the Sun™ Open Net Environment (Sun ONE). In this version of the release notes, iPlanet Messaging Server 5.x is called Sun ONE Messaging Server 5.x. Note that you will still see some references to iPlanet in file paths or in terminal display examples.

An electronic version of these release notes can be found at the Sun ONE documentation web site: <http://docs.sun.com/db/prod/s1msgsrv/>. Check the web site prior to installing and setting up your software and then periodically thereafter to view the most up-to-date release notes and manuals.

New to this update of the release notes is Solaris 9, Windows 2000 SP2 (Service Pack 2), and Veritas Cluster Server 3.5 support. For more information, see Supported Platforms and Veritas Cluster Server 3.5 Support.

These release notes contain the following sections:

- Messaging Server Features
- Sparse Patch Installation Procedures
- Supported Platforms
- Hardware and Software Requirements
- Tuning Requirements
- Localized Versions of Messaging Server
- Veritas Cluster Server 3.5 Support

- Product Hierarchy and Dependencies
- Deprecated Features
- Fixed Bugs
- Known Problems, Limitations, and Considerations
- Documentation Changes
- How to Report Problems
- For More Information

Messaging Server Features

Sun ONE Messaging Server provides a powerful and flexible solution to the email needs of enterprises and messaging hosts of all sizes using open Internet standards.

Sun ONE Messaging Server is an integration of the Netscape Messaging Server and Sun Internet Messaging Server. The most robust and highest performing components of each product have been combined to produce the Messaging Server. For example, the message store, LDAP directory, and Administration Console come from Netscape Messaging Server, while the message transfer agent (MTA) and delegated administrator command line interface come from Sun Internet Mail Server.

Because this is an integrated product, Netscape Messaging Server and Sun Internet Messaging Server customers might find that many processes and procedures for those products are different for Sun ONE Messaging Server. For complete information refer to the Messaging Server 5.2 documentation at <http://docs.sun.com/db/prod/s1msgsrv/>.

The following list describes features specific to Messaging Server 5.2:

- Compatibility with Sun ONE Directory Server 5.1 and 5.2.
- Integration with Sun ONE Web Server 6.0 SP2 (Service Pack 2).
- Enhanced HTTP service with the introduction of Messenger Express Multiplexor.
- Enhanced Messenger Express (Webmail), including a spell checker, rich-text formatting for Internet Explorer, shared folders, and user interface improvements that facilitate navigation.

In addition, Thai character sets are supported in Messenger Express. To view Thai characters, set your preferred language to Thai in the user preferences.

- MTA direct LDAP lookup.
- POP before SMTP service to support legacy POP clients that lack support for standard SMTP authentication. This service is implemented by using a new SMTP proxy component of the Messaging Multiplexor.
- Functionality for importing and exporting between Sun™ ONE Messaging Server and UNIX `/var/mail` format folders.
- Additional support for DNS-based databases in the `dns_verify` program.
- The configuration variable `store.quotanotification` is no longer used. To enable or disable quota notification, set or unset the `store.quotaexceededmsg` configuration variable. Note that you cannot disable IMAP ALERT messages.
- Support for Short Messaging Service using the SMS channel. Messaging server supports one-way email to an SMS gateway. Handling of SMS notifications (that is, replies and delivery receipts) and origination of email from SMS users (mobile to email) is presently not supported. Support for this feature is provided by a special SMS channel. For complete information on the SMS channel, refer to the Sun ONE Messaging Server Technical Notes in the Sun ONE Messaging Server Documentation web site.
- Revised and expanded MTA documentation in the *Messaging Server Administrator's Guide* and the *Messaging Server Reference Manual*.

The following list describes features specific to Sun ONE Messaging Server 5.2 Patch 1 (and later):

- High Availability

As of the Messaging Server Patch 1 release, Sun Cluster 3.0 Update 3 and Veritas Cluster Server 2.0 Patch 4 are supported. See the *Messaging Server Installation Guide* for installation and configuration information.

In addition, Veritas Cluster Server 3.5 is supported. For more information, see Veritas Cluster Server 3.5 Support.

- New Platforms

Messaging Server can be installed on Solaris 9 and Windows 2000 SP2 (Service Pack 2). See the sections on Solaris 9 and Microsoft Windows 2000 SP2 (Service Pack 2).

Sparse Patch Installation Procedures

This distribution contains a bundle of updates to Messaging Server 5.2. It includes corrections and enhancements to the core Messaging Server product (such as the MTA and the Message Store). In addition, it includes updates to Messenger Express, the MMP, SNMP, Sun Cluster HA agents, and Veritas HA agents. Updates to Delegated Administrator for Messaging and Collaboration are not included in this distribution. See the *Delegated Administrator for Messaging and Collaboration 1.2 Patch 1 Release Notes* for more information. The following topics outline the recommended sparse patch installation procedures:

- High Availability Notes
- Disk Space
- Save and Back out Options
- Installation Instructions

NOTE The following instructions are written for UNIX installations. On Windows NT, replace super user with Administrator, and replace back slashes with forward slashes in file paths.

High Availability Notes

This section describes how to install high availability when upgrading to Messaging Server 5.2 Patch 1.

Table 1 lists the versions of Sun Cluster Server and Veritas Cluster Server that are currently supported with Messaging Server:

Table 1 Supported Versions of Sun Cluster Server and Veritas Cluster Server

Cluster	Supported Versions
Sun Cluster Server	Sun Cluster 3.0 GA, Sun Cluster 3.0 Update 1, Sun Cluster 3.0 Update 2, Sun Cluster 3.0 Update 3 ¹
Veritas Cluster Server	Veritas Cluster Server 2.0, Veritas Cluster Server 2.0 Patch 4, Veritas Cluster Server 3.5

1. If you are running Sun Cluster 3.0 U3 on a Solaris 8 platform, install Solaris Patch 110648-22 or later; if you are running Sun Cluster 3.0 U3 on a Solaris 9 platform, install Solaris Patch 112563.

Sun Cluster 3.x

The patch for the Sun Cluster 3.x HA agents is integrated in this distribution (Solaris Patch 112882-xx). This distribution checks if you need to apply additional patches.

Sun Cluster 2.2, 3.x, and Veritas Cluster Server

On all cluster nodes in the Messaging Server resource group, use the following procedure to apply this distribution:

1. Apply the distribution on the first node of the cluster. Specify the Messaging Server and HA agent components in the Perl script `imspatch.pl`.

With Veritas Cluster Server, even though the `imspatch.pl` only suggests the VCS 2.0 agent (item 4), the same agent works with VCS 3.5 as well.
2. Backup (rename) the `server-root/patch/patch_version/backout` directory.
3. Apply the distribution to the second and subsequent nodes of the cluster. Specify only the HA agent component in the Perl script `imspatch.pl`. Be sure to back up your installation after applying the distribution on each node.
4. Backup (rename) the `server-root/patch/patch_version/backout` directory after applying the distribution on the second and subsequent nodes of the cluster.
5. If you need to back out the distribution, you must restore the appropriate `backout` directory for the cluster node prior to running the Perl script `imspatch.pl -u`.
6. Note that `/usr/lib/sendmail` is now patched if you specify either the Sun Cluster 2.2, 3.x HA Agent, or Veritas 2.0 HA Agent components of the distribution.

Disk Space

Systems with limited disk space should not install the distribution. The installation process requires enough disk space for installation and administrative tasks in the `/`, `/var`, or `server-root` directories where the distribution is typically installed. The exact amount of space depends on the components are fixed as well as the difference in the size of the new objects. It is not recommended that this distribution be installed on a system with less than 50 MB of available space in each of these directories (`/`, `/var`, or `server-root`). Running out of disk space during installation may result in only a partially loaded distribution. In addition, be sure a recent full system backup is available in case a problem occurs.

Save and Back out Options

The installation procedure will save the Messaging Server files that are being replaced. The files are placed in the `server-root/patch/patch_version` directory. Note that the installer will not be able to determine if enough system disk space is available in `server-root/patch` to save these files.

NOTE You do not need to back out older versions of Messaging Server patches prior to installing the new version.

Installation Instructions

1. If the distribution is a `.zip`, `.tar`, or `.tar.gz` or file, `untar`, uncompress, or `unzip` the distribution into an empty directory within the existing `server-root`.
2. Make sure that all current Messaging services are stopped (including `dirsync`, Direct LDAP, and `smtp_servers`). Verify that all processes have stopped before proceeding to the next step.
3. Go to the distribution directory and run the `imspatch.pl` Perl script with super user privileges. For example:

```
# cd distribution_directory
# server-root/install/perl imspatch.pl
```

The installation program will look like the following example:

```

Welcome to the iMS Patch Installation tool.
This tool updates your messaging server installation to iPlanet
Messaging Server 5.2 Patch 1.

Note that webmail patches will overwrite HTML and Javascript
files. These files need to be modified for the specific site, and
any user changes needs to be merged into the new file.

Please make sure you have stopped your messaging server before
proceeding

Do you want to continue [y]:

Please enter the full path to the directory where iPlanet
Messaging Server was installed.
```

Messaging server root [/usr/iplanet/server5] :

Please select from the following components:

- [1] Messaging MTA/Store/Webmail/Command Line Utilities
- [2] Messaging Multiplexor
- [3] Sun Cluster 2.2 HA Agent
- [4] Veritas 2.0 HA Agent
- [5] Sun Cluster 3.x HA Agent

Which of the above component(s) do you have installed [1]:

Current Installed Version is iPlanet Messaging Server 5.2.

The progress of the installation script will be displayed on your terminal, including the output of the `imsimta version` and the output of the `imsimta test -rewrite` commands.

4. If errors are encountered during the installation of this distribution, error messages will be displayed during installation. More details about the causes of failure can be found in the detail log file: `server-root/patch/patch_version/log`. If this log file previously existed the latest installation, data will be concatenated to the file so check the end of the file.

Post-Installation

The following post-installation processes are occurring while the `ims_patch.pl` is applied. You do not have to manually perform any of these procedures

1. The MTA `imsimta cnbuild` and `imsimta chbuild` commands in the `server-root/msg-instance` directory are run in order to rebuild the MTA configuration files.
2. The MTA `imsimta cleandb` command (`server-root/msg-instance` directory) is run.
3. The MTA `imsimta recover-crash` command (`server-root/msg-instance` directory) is run. However, if you are not running the `dirsinc` command, this command is not run.
4. The MTA `imsimta test -rewrite -debug postmaster` command (`server-root/msg-instance` directory) is run in order to test the MTA.
5. The MTA command, `imsimta version` (in `server-root/msg-instance` directory) is run. The output will show the new patch version and build date. A one line log message of the patch installation will also be appended to `server-root/README.txt` file.

6. The *NDASStartPage* variable will have the following strings embedded in it:
 - a. *msg.da.Host* - Delegated Administrator host name.
 - b. *msg.da.Port* - Delegated Administrator port number.
 - c. *msg.cfldap.service.DefaultDomain* - Default mail domain. These variables must be replaced with their correct values. Consult the old `main.js` files for the proper values for these variables. If *NDASStartPage* is not updated, the Delegated Administrator link on the Messenger Express Options page will point to a non-existent URL.
7. Messenger Express bug fixes overwrite HTML and Javascript (.js) files. Therefore, any user customizations will be overwritten. User customizations should be merged into the new files.

Once the post-installation processes have completed, you can restart the Messaging Server services.

Back Out Instructions

To back out this distribution, follow these steps:

1. Make sure that all Messaging Server services are stopped.
2. Run the `imspatch.pl` Perl script as the super user with the `-u` flag from the back out directory (*server-root/patch/patch_version*).

It is very important to run the command from the back out directory and not from the patch distribution directory. For example:

```
# cd server-root/patch/iMS5.2hf1.09
# server-root/install/perl imspatch.pl -u
```

The progress of the script will be displayed on your terminal. It should look like the following:

```
                Welcome to the iMS Patch Uninstallation tool.

This tool rolls back your messaging server installation from
5.2pl. Please make sure you have stopped your messaging server
before proceeding
Do you want to continue [y]:

Please enter the full path to the directory where iPlanet
Messaging Server was installed.
```


Messaging server root [/usr/iplanet/server5/patch/*patch_version*]:

New Installed Version is 5.2

3. Certain configuration files are not backed out automatically. These are the files in the *server-root/patch/patch_version/save* directory. For example, customizations to your *imta.cnf* and *job_controller.cnf* files are stored in this directory. If you want to back out these changes, you must do so manually.

Supported Platforms

Messaging Server 5.2 Patch 1 is supported on the following platforms:

- Solaris 9 for SPARC
- Solaris 2.6 and 8 for SPARC with recommended patches
- Microsoft Windows NT 4.0 SP6a
- Microsoft Windows 2000 SP2 (Service Pack 2)
- HP-UX 11.0 with recommended patches

Solaris 9

Messaging Server can be installed on either Solaris 9 Update 1 or Solaris 9 Update 2. There are no required Solaris patches. Note the following items:

- If you use the directory server that is bundled with the Solaris 9 operating environment, you will need to set and export (in *ksh*) `LD_LIBRARY_PATH=/usr/iplanet/ds5/lib` before running the `ims_dssetup.pl` script, or you must run the `ims_dssetup.pl` script that is included in Messaging Server 5.2hf1.07 (Hot Fix 1.07 bundle) or later.
- If you choose to perform a rolling upgrade from Solaris 8 to Solaris 9, the Solaris 9 Live Upgrade substantially reduces the service outages that are sometimes associated with an operating system upgrade. You can duplicate your current running boot environment. While the original boot environment runs, you can upgrade the duplicate environment.

If you perform a Solaris 9 Live Upgrade, the `sendmail` link does not work. To restore `sendmail`, copy `/usr/lib/sendmail~8` to `/usr/lib/sendmail`.

Solaris 2.6 and 8

The supported Solaris platforms require the following patches.

- Solaris 2.6 for SPARC with patch 105591-09 or later versions (Shared library patch for C++) and 106613-01 or later versions (character set conversion) in addition to the recommended patches listed in the link below.
 - If you install Messaging Server in the ja_JP.PCK locale, the `imadmin` command line utility will not work properly without the 106361-10 patch.
- Solaris 8 for SPARC with the recommended patches listed in the following link:

A list of recommended patches for Solaris 2.6 and Solaris 8 can be found at <http://access1.sun.com>.

CAUTION On both Solaris 2.6 and Solaris 8 platforms, applications that are linked with the 32-bit `libthread (/usr/lib/libthread.so)` or the 64-bit `libthread (/usr/lib/sparcv9/libthread.so.1)` library might hang. This bug can affect any process at startup, particularly utilities in scripts (such as `mboxutil`) as well as processes that are frequently started like the `ims_master` channel.

Recommended Work-around for Solaris 2.6:

Set the environment variable, `LD_BIND_NOW=1`, in your appropriate shell before running the application:

For example, in `csh` and `tcsh` shells:

```
setenv LD_BIND_NOW 1
```

This will force “non-lazy” runtime binding. `LD_BIND_NOW` causes the runtime linker to perform both data reference and function reference relocations during process initialization, before transferring control to the application.

Recommended Work-around for Solaris 8:

Apply following patches that are available through normal support channels:

SPARC — Solaris 8 with 108827-35

Intel — Solaris 8 with 108828-35

See Solaris bug 4663077 for more information.

Additionally, ensure that your Solaris setup specifies how to route to hosts that are not on the local subnet. To do this, ensure that:

- The `/etc/defaultrouter` file contains the IP address of the gateway system. This address must be on a local subnet.
- The `/etc/resolv.conf` file exists and contains the proper entries for reachable DNS servers and domain suffixes.
- The `/etc/nsswitch.conf` file includes the `dns` keyword in the `hosts:` line.

If you are installing Messaging Server in a hardened environment, the minimum packages that you need on a Solaris 8 operating environment include:

Solaris Core packages as well as `SUNWxwdv`, `SUNWxwdvx`, `SUNWxwmod`, `SUNWxwmox`, `SUNWxwplt`, `SUNWxwrtl`.

Microsoft Windows NT 4.0

Windows NT 4.0 SP6a (Service Pack 6a) is supported.

Microsoft Windows 2000 SP2 (Service Pack 2)

Windows 2000 SP2 (Service Pack 2) is supported when you use 5.2hf1.09 (Hot Fix 1.09 bundle) or later. See *Installation Instructions for Windows 2000 Platforms* to install Messaging Server on a Windows 2000 platform. You must have Messaging Server 5.2hf1.09 (Hot Fix 1.09 bundle) or later to install Messaging Server on Windows 2000.

See Bug 4782958 to improve `imapd` performance.

Installation Instructions for Windows 2000 Platforms

Messaging Server 5.2 is now supported on Windows 2000 SP2 Platforms. To install Messaging Server on Windows 2000 SP2, you need the following components:

- Messaging Server 5.2 for Windows NT
- Messaging Server 5.2hf1.09 (Hot Fix 1.09 bundle) for Windows NT or later
- `ims_dssetup.pl` script from Messaging Server 5.2hf1.09 (Hot Fix 1.09 bundle) or later

- It is strongly recommended that you configure Messaging Server with Directory Server 5.1 or 5.2.

NOTE You should only use these instructions for new Messaging Server installations on Windows 2000.

The following instructions explain how to install Messaging Server on a Windows 2000 SP2 platform:

1. Unzip Messaging Server 5.2hf1.09 (Hot Fix 1.09 bundle) or later.
2. If Directory Server is running on a separate machine, move the `dssetup.zip` file to that machine.
3. Unzip the `dssetup.zip` file.
You will use the hot fix bundle version of the `ims_dssetup.pl` Perl script and the `config/` sub-directory with the supporting files.
4. Run the `ims_dssetup.pl` script.
Do not use the `ims_dssetup.pl` script that accompanies the Messaging Server 5.2 Windows NT version.
5. Run the Messaging Server 5.2 Windows NT installation program. See the *Messaging Server Installation Guide for Windows NT*.
Do not start Messaging Server until you apply the Hot Fix bundle (Step 6).
6. Run the Messaging Server 5.2hf1.09 Hot Fix bundle `imspatch.pl` script on your Messaging Server machine.

Configure Direct LDAP Mode. See Appendix B of the *Messaging Server Administrator's Guide*.

HP-UX

The HP-UX 11.0 platform requires the following operating system bundles and patches:

- XSWGR1100 (HP-UX 11.0 General Release Patches, September 2000)
- XSWHWCR1100 (HP-UX 11.0 Hardware Enablement and Critical Patches, September 2001)
- PHCO_21902 (dF (1M) cumulative patch)

- PHCO_22314 (`libc` cumulative patch)
- PHCO_23499 (LVM commands cumulative patch)
- QPK1100 (HP-UX 11.00 Quality Pack, September 2001)

Note that switching the `globalmutex` back to native implementation can improve performance. To do so, use one of the following HP patches:

- 11.0 PHKL_23995
- 11i PHKL_24005

If you are running Sun ONE Web Server on an HP-UX platform, you need to ensure that the following patches are installed on that machine. (See Localized Versions of Messaging Server for more information on Sun ONE Web Server.) Table 2 lists the required patches for the HP-UX 11.0 (800 series), and Table 3 lists the required patches for the HP-UX 11.0 (700 series):

Table 2 Required Patches on HP-UX 11.0 (800 series) for Web Server

HP-UX 11.0 (800 series) Patches for Web Server

QPK1100 Quality Pack for HP-UX 11.00, September 2001

XSWHWCR1100 HP-UX Hardware Enablement and Critical Patches, September 2001

Table 3 Required Patches on HP-UX 11.0 (700 Series) for Web Server

HP-UX 11.0 (700 Series) Patches for Web Server

B8110AA (Java 2 SDK for HP-UX (700/800), PA1.1 + PA2.0 Add On)

B8111AA (Java 2 RTE for HP-UX (700/800), PA1.1 + PA2.0 Add On)

B9098AA (Java 2 Plug-in for HP-UX (700/800))

HPUXEng32RT (English HP-UX 32-bit Runtime Environment)

UXCoreMedia (HP-UX Media Kit)

XSWG1100 (HP-UX Extension Pack, May 1999)

XSWHWCR1100 (HP-UX Hardware Enablement and Critical Patches, September 2001)

QPK1100 (Quality Pack for HP-UX 11.00, September 2001)

To identify any existing patches on your system, use the `swlist` command. To install HP-UX patches, use the `swinstall` command. Refer to the HP documentation for more information.

A list of recommended patches for HP-UX 11.00 can be found at the following URL: <http://us-support.external.hp.com/index.html>

Hardware and Software Requirements

Hardware Requirements

The minimum hardware requirements for Messaging Server are:

- Approximately 1GB of disk space to support the product binaries and a minimum message store.
- 128MB of RAM.
- Adequate file system space for your user mailboxes (message store), database, log files, and message queue directory. These can grow in size dramatically depending on the size of your site, so be sure to allocate space accordingly.

NOTE The actual performance of your messaging server depends on many factors, including CPU power, available memory, disk space, file system performance, usage patterns, network bandwidth, and so on. For example, throughput is directly related to file system performance. If you have questions about sizing and performance, contact your Sun ONE representative.

Client Software Recommendations

For Messenger Express access, Messaging Server requires a JavaScript-enabled browser. For optimal performance, Sun ONE recommends the following browsers listed in Table 4:

Table 4 Messaging Server 5.2 Patch 1 Client Software Recommendations

Browsers	Solaris 2.6 and Solaris 8	HP-UX 11.00	Windows NT, Windows 98, Windows 2000 SP2
Netscape™ Communicator	4.76	4.78	4.78
Internet Explorer	N/A	N/A	5.5 SP2 (Service Pack 2)

Tuning Requirements

This section describes platform-specific tuning requirements that are necessary to run Messaging Server 5.2 Patch 1, Web Server, or Delegated Administrator for Messaging and Collaboration.

HP-UX

Certain kernel parameters should be modified to optimize performance for the Web Server. The following HP-UX series are described:

- HP-UX 11.0 (800 series)
- HP-UX 11.0 (700 series)

Use the HP sam (System Administration Manager) tool to modify and tune specific system parameters. For information on using sam tool, refer to the following link: http://docs.hp.com/cgi-bin/fsearch/framedisplay?top=/hpux/onlinedocs/B2355-90701/B2355-90701_top.html&con=/hpux/onlinedocs/B2355-90701/00/00/25-con.html&toc=/hpux/onlinedocs/B2355-90701/00/00/25-toc.html&searchterms=sam&queryid=20020130-134720

HP-UX 11.0 (800 series)

- The following values should serve as a baseline for kernel tuning; these values might need to be modified depending on your configuration:

Table 5 HP-UX 11.0 Tuning Guidelines

Parameter	Value
maxfiles	2048
maxfiles_lim	2048
max_thread_proc	3000
maxusers	32
nkthread	6000
nproc	276

HP-UX 11.0 (700 series)

- In order for Web Server 6.0 to properly work on your HP-UX machine, you will need to determine the PA-RISC chip version of your HP-UX machine. If your PA-RISC chip is 2.0, you do not need to make any modifications to the configuration. However, if the PA-RISC chip is not version 2.0, you need to modify the `webserver-root/https-admserv/start-jvm` file. In the `NSES_JRE_RUNTIME_LIBPATH`, change each occurrence of `PA_RISC2.0` to `PA_RISC`.
- Use the same tuning guidelines in Table 5 for baseline kernel tuning; these values might need to be modified depending on your configuration.

Localized Versions of Messaging Server

Messaging Server 5.2 Patch 1 should be applied to all localized versions of Messaging Server 5.2 in order to obtain the latest fixes.

If you install this distribution on a localized version of Messaging Server, the following bug fix is not installed:

The Personal Address Book does not work with replica LDAP Directory Servers. (4541432)

Work-around: For non-English locales, you need to update the code in your locale-specific `editPabEntry_fs.html` file.

Be sure to keep a back up copy of your `editPabEntry_fs.html` file prior to making the changes.

Replace the `givennameCheck(fe)` and the `snCheck(fe)` functions with the following code in `editPabEntry_fs.html`:

Code Example 1 `givennameCheck(fe)`

```
function givennameCheck(fe) {
  var s = "";
  if (trim(fe.value).length > 0) {
    e[fe.name] = fe.value;
    deletedvalues.givenname = 1
  } else {
    fe.value = e[fe.name];
    s = s_NonBlank(fe.name);
  }
  e.cn = getCn();
  if (state == "entry"){
    idx.form.cn.value = e.cn;
    deletedvalues.cn = 1;
  }
}
```


Code Example 1 givennameCheck(fe) *(Continued)*

```

reload(tab);
return s;
}

```

Code Example 2 snCheck(fe)

```

function snCheck(fe) {
  var s = '';
  if (trim(fe.value).length > 0) {
    e[fe.name] = fe.value;
    deletedvalues.sn = 1
  } else {
    fe.value = e[fe.name];
    s = s_NonBlank(fe.name);
  }
  e.cn = getCn();
  if (state == 'entry'){
    idx.form.cn.value = e.cn;
    deletedvalues.cn = 1;
  }
  reload(tab);
  return s;
}

```

Veritas Cluster Server 3.5 Support

Messaging Server 5.2 Patch 1 can now be configured with Veritas Cluster Server 3.5. Be sure to review the Veritas Cluster Server documentation prior to following these procedures.

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- NOTE**
- Veritas Volume Manager (VxVM) has a cluster feature that requires a separate license. This feature provides a global view of the file systems on shared storage, similar to the Sun Cluster 3.0 global file system. See the Veritas Cluster Server documentation for more information.
 - `FsckOpt` was optional in pre-3.5 Veritas releases. However, it is required for configuring the `Mount` resource. `FsckOpt` must include a `-y` or `-n`, otherwise the resource will not come online.
 - Veritas Cluster Server 2.0 Explorer cannot be used to manage Veritas Cluster Server 3.5.
-

Installation and Configuration Notes

The following instructions describe how to configure Messaging Server as an HA service, using Veritas Cluster Server 3.5. For more information on High Availability, see the *Messaging Server Installation Guide for UNIX*.

The default `main.cf` configuration file sets up a resource group called `ClusterService` that launches the `VCSweb` application. This group includes network logical host IP resources like `csgnic` and `webip`. In addition, the `ntfr` resource is created for event notification.

1. Launch Cluster Explorer from one of the nodes.

Note that these Veritas Cluster Server instructions assume you are using the graphical user interface to configure Messaging Server as an HA service.

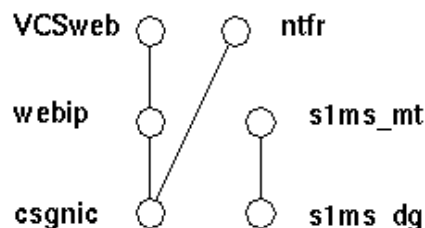
To launch Cluster Explorer, run the following command:

```
# /opt/VRTSvcs/bin/hagui
```

The `VRTSscsm` package must be installed in order to use the GUI.

2. Add `s1ms_dg` disk group resource of type `DiskGroup` and enable it.
3. Add `s1ms_mt` mount resource of type `Mount`.
 - a. Unlike in Veritas Cluster Server 2.0, you must add `-y` (or `-n`) to `FsckOpt`. Null options cause `Mount` to hang. See the man page for more information on `fsck_vxfs`.
 - b. Be sure to click the `Link` button to enable linking resources, if they are not already enabled.
4. Create a link between `s1ms_mt` and `s1ms_dg`. Enable the resource `s1ms_mt`.

See the following dependency tree:



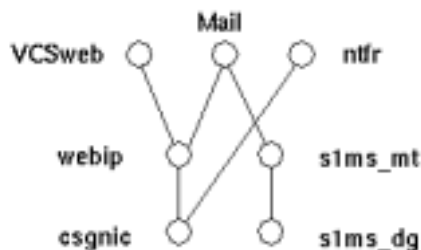
5. Run the Messaging Server `setup` program from the primary node (for example, `Node_A`) to install Messaging Server.
 - a. Select `Custom Installation` as your installation type.
 - b. Provide the logical host name and the logical IP address whenever a host name or an IP address is required during the installation.
 - c. When selecting Messaging Suite components, choose `Sun Cluster2.2/Veritas HA for Messaging Server` in addition to your other Messaging components.

Messaging Server and the Veritas agent are now installed on `Node_A`.

6. Switch to the backup node (for example, `Node_B`).
7. Run the Messaging Server `setup` program on the backup node (`Node_B`), but only install the Veritas agent by selecting `Sun Cluster2.2/Veritas HA for Messaging Server`. Do not install other Messaging Server components on this node.

The Veritas agent is now installed on `Node_B`.

8. From the Cluster Explorer, Select `Import Types...` from the `File` menu which will display a file selection box.
9. Import the `MsgSrvTypes.cf` type from the `/etc/VRTSvcs/conf/config` directory. Import this type file. Note that you need to be on a cluster node to find this file.
10. Now create a resource of type `MsgSrv` (for example, `Mail`). This resource requires the instance name and logical host name properties to be set.
11. The `Mail` resource depends on `s1ms_mt` and `webip`. Create links between the resources as shown in the following dependency tree:



- a. Enable all resources and bring `Mail` online.

- b. All servers should be started.
- 12. Switch over to Node_A and check if the HA configuration is working.
- 13. Change the group attribute `OnlineRetryLimit` from 3 to 0, otherwise the failed-over service might restart on the same node.

MsgSrv Attributes

This section describes `MsgSrv` additional attributes that govern the behavior of the `mail` resource. To configure Messaging Server with Veritas Cluster Server, see Table 6.

Table 6 Veritas Cluster Server Attributes

Attribute	Description
<code>FaultOnMonitorTimeouts</code>	If unset (=0), monitor (probe) time outs are not treated as resource fault. Recommend setting this to 2. If the monitor times out twice, the resource will be restarted or failed over.
<code>ConfInterval</code>	Time interval over which faults/restarts are counted. Previous history is erased if the service remains online for this duration. Suggest 600 seconds.
<code>ToleranceLimit</code>	Number of times the monitor should return OFFLINE for declaring the resource FAULTED. Recommend leaving this value at '0' (default).

Product Hierarchy and Dependencies

Messaging Server 5.2 Patch 1 requires the following Sun ONE components:

- Administration Server 4.2

- Directory Server 5.1 or 5.2.

NOTE

If you are starting a new deployment of Messaging Server, it is recommended that you install it with Directory Server 5.1 or 5.2. Note that the end of service life for Netscape Directory Server 4.16 was on January 24, 2003.

New mechanisms for enabling Class of Service (CoS) are available in Directory Server 5.1 and 5.2. For more information, see:

<http://docs.sun.com/source/816-5606-10/roles.htm#1115605>

Counter Plug-in compatibility is currently unavailable in the Directory Server 5.1 release, but it is available in the Directory Server 5.2 release.

Note that an HA agent does not exist for Directory Server; therefore, you cannot use high availability with Directory Server 5.1 or 5.2. Instead, you can use other solutions, such as directory replication. For more information on alternate availability solutions, see the *Directory Server Deployment Guide*.

- Delegated Administrator for Messaging and Collaboration 1.2 Patch 1

You cannot upgrade the Delegated Administrator from older versions of the product. Instead, you need to uninstall the previous version of Delegated Administrator and install the version that are bundled with the new Messaging Server version that you are installing.

For more information, see the *Delegated Administrator for Messaging and Collaboration Release Notes*.

- Web Server Enterprise Edition 6.0 SP 2 (Service Pack 2) or Web Server 6.0.1

It is strongly recommended that you review the Web Server 6.0 SP2 release notes to determine any required operating system patches:

<http://docs.sun.com/db/prod/slwebsrv/>

These products are all included on the Messaging Server CD at the download site at <http://www.sun.com/software/download/>.

CAUTION Sun ONE does not recommend using the Administration Console for user and group provisioning. The recommended user, group, and domain provisioning tool for Messaging Server is Delegated Administrator for Messaging and Collaboration and the imadmin CLI tool.

Deprecated Features

The following features were deprecated in the Messaging Server 5.2 release and will be removed in future releases:

- Netscape Directory Server 4.x support

You can configure Directory Server 5.1 or 5.2 support as of this release. Note that support of Netscape Directory Server 4.16 ended on January 24, 2003.

See the *Messaging Server Installation Guide* for more information on installing Messaging Server and Directory Server.

- Delegated Administrator for Messaging and Collaboration component

Delegated Administrator for Messaging and Collaboration is deprecated and will not be supported in the next major release of Messaging Server.

- The `imsimta dirsync` command

The new MTA direct LDAP lookup feature will replace the `imsimta dirsync` command in the next major release. For more information on using the direct LDAP lookup feature, see the *Messaging Server Administrator's Guide*.

- Sun Cluster 2.2 support

If you currently use Sun Cluster 2.2, it is recommended that you use Sun Cluster 3.x. Support for Sun Cluster 2.2 will be removed in the next release of Messaging Server. For more information on Sun Cluster 3.x, see the *Messaging Server Installation Guide*.

- Veritas Cluster Server 1.x support

Veritas Cluster Server 1.x support is deprecated and will not be supported in the next release of Messaging Server.

- Multiple instances of Messaging Server that share the same *server-root* directory

The ability to install multiple instances of Messaging Server in the same *server-root* directory is now deprecated. While you can still perform this function, it is not recommended that you continue doing so. Instead, multiple Messaging Server instances can be installed on the same disk and host, but they should be installed in separate *server-root* directories. In the next Messaging Server release, the ability to install multiple instances in the same *server-root* directory will be removed.

- Platform Support
 - Solaris 2.6 support is deprecated as of the Messaging Server 5.2 release and will be removed in the next major release.
 - Windows NT support is deprecated as of the Messaging Server 5.2 release.
- Vanity Domains

In a future release, vanity domains will be deprecated. If you currently use vanity domains, you should consider switching to hosted domain provisioning.

Fixed Bugs

This section describes the major bugs that were fixed in the Messaging Server 5.2 Patch 1 release:

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs

Bug Number	Description	Status
4519531	The <code>sendmail -Ac</code> option that is used by Solaris 9 startup scripts was not accepted.	Fixed
4519546	The <code>sendmail --</code> option that is used by the Solaris 9 mail program was not accepted.	Fixed
4523668	On Windows NT platforms, the <code>imsimta dirsnc</code> command hung and was prevented from interrupting other MTA functions.	Fixed
4531386	Chinese (<code>zh_cn</code>) characters were unreadable in the header if the preferred language was set to <code>zh_tw</code> .	Fixed
4532419	Messages were not dequeued by the <code>ims_master</code> channel but were requeued with a "Mailbox is busy" error.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4539563	Icelandic ISO-8859-1 vacation responder Subject field was corrupted in Messenger Express.	Fixed
4540006	The <code>mboxutil -r</code> command was unable to rename folders.	Fixed
4541432	The Personal Address Book did not work with replica LDAP Directory Servers.	Fixed
4543495	Memory problem existed in Netscape Security Services (NSS 282).	Fixed
4546178	Internet Explorer 5.5 JavaScript error in Messenger Express	Fixed
4549165	The utility <code>mboxutil -p</code> did not work with Japanese characters.	Fixed
4553030	In Messenger Express, you could not create a new folder with a Netscape Communicator 6.2 browser.	Fixed
4553031	In Messenger Express, a message could not be sent using Netscape Communicator 6.	Fixed
4557940	The command <code>imsimta recover-crash</code> did not work on Windows NT platforms.	Fixed
4563172	Support was missing for the BANNER_HOST SMTP channel option.	Fixed
4581879	When using Netscape Communicator 4.76 on a Solaris operating environment, Messenger Express displayed a blank screen in certain scenarios.	Fixed
4616192	In MMP, a third-party authentication sample code was needed for a stand-alone, thread-pool based authentication server.	Fixed
4617327	POP over SSL did not work.	Fixed
4618326	High ASCII characters in email addresses were disappearing in the Personal Address Book.	Fixed
4618565	In Messenger Express, unqualified mail IDs were not accepted in mail-forwarding and reply-to fields.	Fixed
4620738	Multi-threaded LDAP queries unexpectedly terminated <code>libldap</code> .	Fixed
4620764	The <code>MoveUser</code> command returned error code 0, even when the command failed.	Fixed
4624538	The <code>ims_master</code> channel dequeued slowly while the <code>imsbackup</code> command was still running.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4628992	The Job Controller did not schedule aggressively enough.	Fixed
4631223	There was a JavaScript error in the Subscribe to Shared Folders option.	Fixed
4631706	In Messenger Express, Arabic/Hebrew (rtl) Internet Explorer users could not subscribe to shared folders.	Fixed
4632998	Character sets of Arabic, Hebrew, Thai auto-reply messages were incorrectly set to ISO-8859-1.	Fixed
4634079	Messenger Express did not remove the <code>\recent</code> flag after opening a mailbox.	Fixed
4634687	Made <code>imsimta.bat</code> call <code>cleandb</code> on Windows NT so that it worked the same as on Solaris platforms.	Fixed
4634668	In Messenger Express, closing the Compose window after saving draft messages unexpectedly terminated Netscape Communicator sessions on HP-UX platforms.	Fixed
4636633	In a <code>popd</code> process, the number of bytes exceeded the allocated amount of buffer.	Fixed
4638691	MMP appeared to be losing IMAP requests between the IMAP client and the message store.	Fixed
4640225	Return job was consuming high CPU.	Fixed
4641089	There was a scalability problem with a quickly growing INBOX.	Fixed
4641974	Welcome message with non-ASCII characters got corrupted.	Fixed
4643137	The display of non-English Delegated Administrator for Messaging and Collaboration sometimes got corrupted when if you logged in through Messenger Express.	Fixed
4642210	MMP LDAP code caused high CPU usage and stopped responding under stress testing.	Fixed
4643466	The <code>stored</code> utility did not stop after <code>mboxlist_recover</code> failed.	Fixed
4644687	Welcome message was inappropriately inserted inappropriately during fast recovery and restore of the message store.	Fixed
4644932	The <code>mshttpd</code> process created problems in <code>decodeOutput</code> .	Fixed
4645870	In Messenger Express, the Subject line composed of one accented character was incorrectly encoded.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4646601	The <code>stored</code> utility ignored the change of <code>local.store.expire.workday</code> from "" to -1.	Fixed
4647148	Invalid encoded characters in the Subject line causes Javascript error in Messenger Express.	Fixed
4647798	The <code>imsimta db</code> utility was broken.	Fixed
4648771	The incremental <code>imsimta dirsinc</code> command missed newly added users.	Fixed
4650087	You received an <code>imsimta cnbuild</code> error when attempting to migrate from SIMS 4.0 to Messaging Server 5.2.	Fixed
4653291	The <code>quotacheck -n</code> utility caused problems when the size of the <code>imq.msgfile</code> was a multiple of 8 bytes.	Fixed
4653818	When a UID contained capital letters, a <code>PAB_CMD_GET_PABS</code> error would display.	Fixed
4654456	The autoreply echo mode was not honored.	Fixed
4654805	The <code>imapd</code> process created problems in the <code>copy</code> command if cache data was invalid.	Fixed
4655771	The <code>imsbackup</code> and <code>imsrestore</code> commands were unable to back up or restore Japanese folders to and from Legato Networker.	Fixed
4657356	When the Personal Address Book was disabled, the Messenger Express interface produced Javascript errors.	Fixed
4657610	The <code>MoveUser</code> utility failed for users with a nested INBOX folder.	Fixed
4658082	There were pagination problems with Personal Address Book.	Fixed
4658592	The <code>popd</code> process unexpectedly shut down.	Fixed
4659585	The <code>iminitquota -a</code> did not continue if orphaned mailbox was found.	Fixed
4659213	Scheduling of jobs did not occur exactly as specified by the <code>backoff</code> keyword.	Fixed
4659265	The <code>mailDomainCatchAllAddress</code> parameter did not work.	Fixed
4659879	Certain <code>mshttpd</code> hot fixes broke spell checking in Messenger Express.	Fixed
4660227	The <code>PMDFdisposeHeader()</code> did not free all header memory.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4661139	Sieve interpretation of multiple filters did not work.	Fixed
4662835	The <code>imsbackup</code> command did not produce consistent backups.	Fixed
4665018	Empty <code>memberofpabgroup</code> unexpectedly terminated Personal Address Book.	Fixed
4665069	The Messenger Express Compose Message and Spell Check windows were too tall and not resizable.	Fixed
4665450	A Personal Address Book group with no 'un' attribute unexpectedly terminated Personal Address Book.	Fixed
4665735	Japanese characters in the To: and CC: fields were corrupted in Messenger Express.	Fixed
4666989	There was a security problem in the <code>cfg.msc</code> command.	Fixed
4667354	The <code>imsimta process_held</code> utility was broken in the MTA Direct LDAP mode.	Fixed
4670074	IMAP APPEND command returned an error in a non-error condition.	Fixed
4670862	Hosted domains viewed English instead of the localized version of Messenger Express.	Fixed
4671362	Thai attachments showed incorrect file names.	Fixed
4671682	Running crash recover twice without running the <code>imsimta dirsync -f</code> command deleted the alias database.	Fixed
4672012	The <code>configutil</code> options to specify host/port of Delegated Administrator for Messaging and Collaboration on Messenger Express was not used.	Fixed
4672290	Recipient addresses were incorrectly formatted for vanity domain by the <code>imsimta dirsync</code> command.	Fixed
4672958	A long HTTP URL got broken in Messenger Express.	Fixed
4673036	Job Controller child process was hung in exit handler.	Fixed
4673300	The <code>store.quotagraceperiod</code> configuration parameter caused problems.	Fixed
4673761	<code>/usr/lib/sendmail</code> spun the reading from <code>/dev/zero</code> .	Fixed
4674649	LDAP Lookup in <code>monitor_check</code> is bypassed.	Fixed
4677508	The <code>inetDomainAlias</code> object with duplicate <code>objectclass=alias</code> unexpectedly terminated the MTA.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4676173	Single-sign on in Messenger Express proxy was not implemented.	Fixed
4677285	Defragment sometimes skipped already seen messages.	Fixed
4678182	In Messenger Express, there were security issues with Javascript and <code>http-equiv=refresh</code> .	Fixed
4678917	Incremental <code>imsimta dirsync</code> with option <code>LDAP_TIME_LAG</code> did not work if <code>TZ=japan</code> .	Fixed
4679824	The <code>reconstruct</code> utility had problems when moving 100+ messages from one folder to a new folder.	Fixed
4680849	Creating a mailbox with long ACL caused problems with message access.	Fixed
4682060	The default setting for Messenger Express vacation reply needed to be changed.	Fixed
4682721	<code>NLS_EncodingConverterExists</code> unexpectedly terminated by a long <code>*from_charset</code> .	Fixed
4683469	The default value for "Vacation days between send" differed between Delegated Administrator for Messaging and Collaboration and Messenger Express.	Fixed
4684058	Pathological MIME part header usage caused SMTP server slowdown.	Fixed
4684314	MMP PREAUTH with bad password did not work.	Fixed
4684513	For non-default domain users, sharing folders using Messenger Express was impossible.	Fixed
4685743	Connection throttle settings could not function with a high load.	Fixed
4686224	Messenger Express did not allow the user to enter the correct email address in Personal Address Book.	Fixed
4686388	Corruption occurred in the <code>ims_master</code> channel mailbox store.	Fixed
4686644	The <code>imsimport</code> utility created a destination mailbox even if import failed.	Fixed
4688847	Insufficient parsing of APOP arguments occurred in the <code>popd</code> process.	Fixed
4689039	Under a high load, MMP LDAP duplicate message ID misdirected users.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4689082	On Netscape 4.7x browsers on Solaris platforms, the Compose window in Messenger Express was non-resizable even when the resizable option was enabled.	Fixed
4689138	When an ETRN host name was received, the TCP SMTP SERVER submitted the associated channel master program to run. It should have been more selective.	Fixed
4689827	Backoff of delivery to store was short and random for all failures including overquota.	Fixed
4689856	In Personal Address Book, you could not add addresses in a certain format.	Fixed
4690122	Support for <code>inetCanonicalDomainName</code> disambiguated domain with same base DN.	Fixed
4690492	The conversion channel incorrectly cached <code>dparameter-symbol-0</code> .	Fixed
4691080	Needed additional overquota parameters.	Fixed
4691088	Displaying certain folded headers caused an unexpected termination in Messenger Express.	Fixed
4691433	When the <code>mailclientattachmentquota</code> attribute was present in the mail domain entry with any value, Messenger Express displayed 'maximum attachments reached' when attempting to add any attachment.	Fixed
4692876	Problems caused by program delivery LDAP directory configuration issue using two separate directory server instances.	Fixed
4694023	Unnecessary debug log was on an abnormal connection termination to an SMTP server.	Fixed
4695080	Messaging Server 5.2p0.3 hotfix bundle broke MMP LDAP failover.	Fixed
4696742	Message with Deferred-delivery: header line wasn't delivered at the expected time.	Fixed
4697003	The <code>mshttpd</code> process unexpectedly terminated in <code>sprint_rfchdr</code> .	Fixed
4697051	Conversion channel caused sieves to evaluate twice leading to duplicate deliveries.	Fixed
4697385	The <code>ReplayFormat</code> parameter did not properly work in the hotfix bundle.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4697788	Domain aliases didn't search for all reasonable address variants.	Fixed
4697920	Two versions of Draft folders were displayed in Messenger Express.	Fixed
4698857	Quota did not work if the user got a message before set Quota.	Fixed
4699342	Message store delivered quota notification incorrectly when quota was set to -1.	Fixed
4699959	Messenger Express client in Internet Explorer (RTF mode) emitted lines longer than 1000 characters.	Fixed
4699838	The <code>imsimta</code> program <code>-u -m method</code> utility did not return any information.	Fixed
4700406	The <code>mshttpd</code> process had problems in <code>NLS_NewNamedLocaleFromChar</code>	Fixed
4701694	Messages encoded in Hebrew character set caused Javascript errors.	Fixed
4702075	Defragment produced "no room" error.	Fixed
4702489	Problem occurred with output encoding in header character set conversions.	Fixed
4703372	Sieve evaluation order had problems	Fixed
4703418	The <code>charsets.txt</code> file incorrectly flagged UTF-16-BE as being ASCII equivalent.	Fixed
4703448	The <code>imapd</code> process hung on Windows NT platforms.	Fixed
4703531	Some message headers appeared truncated in Messenger Express.	Fixed
4703985	SNMP subagent problem occurred with multiple occurrences of <code>"/msg-</code> in instance's directory path.	Fixed
4705711	Aging policy did not work as expected.	Fixed
4705912	Needed to support the <code>inetCanonicalDomainName</code> LDAP attribute. Note that this attribute cannot be used when the <code>dirsync</code> mode is enabled. You should only use this attribute in Direct LDAP mode.	Fixed
4706289	The <code>reconstruct</code> utility did not remove folders on non existent partitions.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4706856	The <code>imsimta cache -view channel</code> displayed all channel messages.	Fixed
4707864	Authentication failed when logging in through MMP (timeout received).	Fixed
4708218	Duplicated messages were delivered according to the sieve rule.	Fixed
4708583	The <code>quotacheck</code> utility caused problems when the attribute <code>mailQuotaAttribute</code> was not specified in <code>rulefile</code> .	Fixed
4709005	SSR forwarding rules not working for external addresses.	Fixed
4709242	<code>DB_CONFIG</code> file was missing and causing <code>db_stat</code> command to fail.	Fixed
4709988	The sieve test envelope domain caused problems in the MTA.	Fixed
4710477	The @ sign in the UID caused auto-reply to fail.	Fixed
4711230	The session ID needed to be more secure in Messenger Express.	Fixed
4712194	Data-failed files were written to the wrong queue.	Fixed
4713075	Return job exited abnormally if a message file was removed from directory.	Fixed
4713536	In an earlier hot fix (5.2p07), the Job Controller found a locked file during a rebuild.	Fixed
4714890	Mail delivery undid ACL modification by the <code>mboxutil -r</code> command.	Fixed
4717143	End user could not delete spoof messages via POP (MMP).	Fixed
4717233	Defragment channel was hung.	Fixed
4717588	Autoreply unexpectedly terminated if the recipient had no mail attribute.	Fixed
4717841	The MTA channel keywords, <code>alternateblocklimit</code> , <code>alternatelinelimit</code> , and <code>alternaterecipientlimit</code> , were not initialized.	Fixed
4718216	<code>PabURI</code> was differently formatted in the Messaging Server 5.2 release.	Fixed
4718583	Header lines were merged aggressively instead of selectively.	Fixed
4719536	The <code>imsimta cleandb</code> changes prolonged recovery of HA Messaging Server under Veritas Cluster Server.	Fixed

Table 7 Messaging Server 5.2 Patch 1 Fixed Bugs (*Continued*)

Bug Number	Description	Status
4720110	The <code>mboxutil -a</code> utility did not give expected result.	Fixed
4720377	The <code>imsimta stop dispatcher</code> command removed <code>pidfile.imta_dispatch</code> even when it failed to terminate the Dispatcher.	Fixed
4720670	If you imported a mailbox that was missing a new line at the end, you received an <code>imsimport</code> error.	Fixed
4721058	The <code>IMTA_QUEUE</code> was sometimes not resolved correctly and the message file could not be found.	Fixed

Known Problems, Limitations, and Considerations

The following sections describe known problems, limitations, and considerations of Sun™ ONE Messaging Server and its components. This section contains the following sub-sections:

- Installation and Uninstallation
- Migration
- Upgrade
- Messaging Server 5.x
- Messenger Express

Installation and Uninstallation

The following are known problems, issues, and considerations with the Messaging Server installation and uninstallation.

NOTE Except for the Directory Server, the servers are not started by the installer as of Messaging Server 5.1.

- **`ims_dssetup.pl` does not regenerate the index.** (no bugid)

If you are running Messaging Server with Netscape Directory Server 4.x, and you run the `ims_dssetup.pl` script to prepare the Directory Server for the Messaging Server installation, the script does not regenerate the indexes. Consequently, search operations might be erratic.

Note that the `ims_dssetup.pl` script properly updates the indexes for Directory Server 5.1 and 5.2.

- **Do not install Messaging Server and Directory Server 5.1 in the same server-root directory, because they use two different versions of the Administration server.** (no bugid)
- **When installing Messaging Server on a Windows platform, you must also install the Administration Server components.** (4537320)

While the Installer program does not require you install the Administration Server component on the Windows NT version, it is mandatory for successful Messaging Server installation.

- **On Windows NT, if you want Messaging Server and the Messaging Multiplexor (MMP) component on the same machine, you must install them at the same time.** (4538016)
- **The `ims_dssetup.pl` script requires the version of Perl found in the server-root install directory.** (4538055)
- **On Windows NT, installation of only the Messaging Multiplexor (MMP) component fails if the Messaging Server component is not unchecked first.** (4538240)

If you want to install only MMP, follow the steps listed below to select MMP; otherwise the installation will fail:

- a. First uncheck the Messaging Server component in the Components to Install screen.
 - b. Click the Change... button.
 - c. Select Messaging Multiplexor in the Subcomponents to Install screen.
- **If you are using an existing configuration directory, the user/group directory is determined from it.** (4538276)
 - **On UNIX and on Windows NT, during a custom installation, if you specify a custom mail store, you must create the directory manually after installation.** (4538305)

On UNIX platforms, the directory should be owned by the Sun™ ONE Messaging Server user and group, and have permissions 750.

- **In Sun Cluster 2.2 and Veritas Cluster Server 1.1 environments, uninstalling Messaging Server fails. (4538376)**

If you are using Sun Cluster 2.2 or Veritas Cluster Server 1.1, you must uninstall Messaging Server manually.

CAUTION Be aware that the following procedure will uninstall all components including the message store.

- a. Stop all services.
 - b. Delete the *server-root* directory.
 - c. Rename the `/etc/msgregistry.inf` file. (It is recommended that you move (rename) this file; do not delete it.)
- **You must install Messaging Server into an empty or non-existent directory. (4540131, 4543405)**

You must install Messaging Server in an empty directory or a directory that does not already exist. This directory cannot contain any subdirectories that serve as mount points. After you complete the Messaging Server installation, you can create mount points as desired.

Moreover, after uninstalling Messaging Server, if you use the same *server-root* directory that was previously uninstalled, you might get an error during re-installation. You will need to use a new *server-root* directory when performing the re-installation.

- **On Windows NT, when the Server Firewall screen appears during an installation, the Enter key does not function. (4540156)**

Click the Next button instead of using the Enter key.

- **During uninstallation, `/usr/lib/sendmail` link is not restored. (4540185)**

During the uninstallation process, the `sendmail` program is not restored because it is renamed as `sendmail.bk` during the original installation process. To restore `sendmail`, after running the installation program, rename `sendmail.bk` to `sendmail`.

- **During an express installation, the installer chooses a random administration port. (4540494)**

When installing Messaging Server, you should write down the administration port number you specify to the installer. You will need to know this port number to use the Administration Console. During an express installation, you are not prompted for an administration port number; instead, the installer chooses a random port number. When you start Console, you will be asked for the administration port number chosen during installation. If you do not know the port number, it is recorded in the following file:

```
server-root/admin-serv/config/adm.conf.
```

- **On HP-UX platforms, the Messaging Server installation will intermittently fail if you select option 1 (to indicate you are using a Smart Host) on the Smart Host option installation screen. (4541640)**

Work-around: Explicitly specify the Smart Host name and press Return.

- **Installing the Message Transfer Agent (MTA) as a relay requires installation of the message store. (4542767, 4575870)**

You can disable the store after installation.

- **On a Windows platform, installation paths that contain spaces are not supported. (4547759)**

For example, the following installation path would not work:

```
C:\Program Files\iPlanet\Server5
```

In this example, there is a space between `Program Files`, therefore there will be installation problems if this *server-root* directory path is used.

- **After installing the second messaging server instance, the ACI is missing. (4548498)**

The Messaging End User Administrators Group has been moved to the organization tree root. During an upgrade from any previous version of Messaging Server, the old group will remain with the default domain. However, all related ACIs will properly reference the new group in the organization tree root during the upgrade. While it will not affect any operation, it is highly recommended you manually remove the old group to avoid confusion.

- **Installation fails when BaseDN contains spaces. (4557494)**

If you install Messaging Server and Directory Server together, and if you specify a suffix that has spaces in it, you must make the following modifications under the DN after installation:

- Modify the `nsdirectoryurl` attribute to show the correct suffix. For example, if your suffix is `my varrius.com`, then `nsdirectoryurl` would initially read: `ldap://sesta.siroe.com:389/o=my`
You should then change the `nsdirectoryurl` attribute to:
`ldap://sesta.siroe.com:389/o=my varrius.com`
- Modify the attribute `nsdirectoryfailoverlist` by setting it to a blank value.

- **Sun Cluster 2.2 does not properly determine the mount point of the file system where Messaging Server resides. (4558563)**

Due to limitations in the Sun™ ONE Messaging Server Sun Cluster 2.2 agent, Messaging Server must be installed at a predetermined mount point, as determined by the `$LOGICAL_HOSTNAME` environment variable.

- **If Messaging Server is installed with Directory Server 5.1, you must use two consoles to manage both servers. (4560710)**

If you use the Console interface to manage your servers, you will have a console to manage Directory Server 5.1 and a console to manage Messaging Server. To manage Directory Server 5.1, run `startconsole` from the directory server `server-root` to invoke the Console. To manage Messaging Server, run the `startconsole` command from the messaging server `server-root`. Running this command will invoke Netscape 4.2 Console. Note which console corresponds to which server. You should only manage Messaging Server through Netscape Console 4.2, and you should only manage Directory Server 5.1 through Console 5.0.

- **Upon a successful installation, error messages are still found in the installation log. (4576422)**

Occasionally, upon successful installation, error messages might be found in the installation log.

On UNIX, a successful installation ends with the following message: “Go to `server-root` and enter `start console` to begin managing your servers.” In this message, `server-root` is the absolute directory path where you chose to install the messaging server, for example: `/usr/iplanet/server5`.

On Windows NT, a successful installation ends with a prompt asking if the user wants to view the README file or reboot the system.

- **In a Veritas Cluster environment, a Directory Server installed with Messaging Server is not a supported HA service. (4616151)**

Currently, the Veritas Cluster framework does not have an HA agent for the Directory server; therefore, the Directory Server will not run as an HA service.

- **During installation, the default domain should not be the same name as the MTA host name.** (4627536)

When installing Messaging Server on a computer, do not specify a default domain that is the same as the computer's fully qualified domain name.

- **The default location for the store.dbtmpdir should point to a /tmp directory on Solaris platforms.** (4633090)

The mailbox list database temporary directory (defined by the `store.dbtmpdir` `configutil` parameter) is heavily accessed. At installation time, the value of this parameter is not defined and defaults to a subdirectory in the *server-root*. If the disks that house the `mbxlist` database temporary directory are not fast enough at very large sites, performance problems might occur.

As part of your performance and tuning steps, you should define a value for this parameter.

- **If the organizational DN has a long length, the installer will not function properly.** (4783977, 4787098)

Work-around: use a shorter organizational DN.

Migration

This section describes known problems, limitations, and considerations when migrating from earlier versions of Messaging Server.

- **Migration from Sun Internet Mail Server does not reset the default host used for provisioning.** (no bugid)

After adding Delegated Administrator for Messaging and Collaboration support, the old Sun Internet Mail Server still appears in certain situations through the Delegated Administrator user interface. For example, on the Domain Mail Properties page, creating a user and enabling the mail service for that user will list the old Sun Internet Mail Server mail host. This behavior occurs because migrating from the Sun Internet Mail Server domain preserves the `preferredMailHost` domain attribute. To fix the problem, change this attribute value to point to the correct mail server.

- **After a migration from SIMS, complications arise when UID attributes in LDAP include uppercase characters.** (no bugid)

If a user's `uid` attribute in LDAP contains any upper case characters (for example, the uppercase K in Kolander) after a migration has occurred from SIMS to Sun ONE Messaging Server 5.x, the user will not be able to access the migrated mailbox.

SIMS stores all mailbox names in lowercase characters, but Sun ONE Messaging Server 5.x does not. Moreover, SIMS converts LDAP `uid` attributes to lowercase characters before it searches its message store for a mailbox name that matches that `uid`; again, Sun ONE Messaging Server 5.x does not. During a migration, SIMS mailboxes are restored to Sun ONE Messaging Server 5.x. In this situation, because the mailboxes were migrated from SIMS, they are all in lowercase characters. Since Sun ONE Messaging Server 5.x does not convert LDAP `uid` attributes to lowercase, `uid` attributes that contain uppercase characters will not match the names of the migrated mailboxes. Mail users with `uid` attributes containing uppercase characters will not be able to access their mailboxes.

To fix this problem, administrators have two options.

- a. In most situations, this is the preferred option. During migration, instead of using the default `imsrestore` command line utility, use `imsrestore` with the rename option, `-u`. Identify which characters in a user's mailbox name (the characters will all be in lowercase) need to be changed to uppercase in order to match the user's `uid` in LDAP and change them to uppercase. The following is an example of the command:

```
imsrestore -u filename
```

where `filename` is the name of a file that contains an entry such as the following:

```
kolander = Kolander
```

Notice, when using the rename option, DO NOT change the case of the domain portion of the user ID, for example `sesta.com`. It must remain in lowercase or the mailbox name will not be recognized when a user logs in.

Refer to the *Messaging Server Reference Manual* for more information on renaming users with `imsrestore`.

- b. Change LDAP `uid` attributes to all lowercase characters. However, for many sites LDAP is required for several different applications and changing the `uid` attribute could negatively affect those other applications.

- **When migrating directory entries from Netscape Messaging Server 4.x, an LDAP filter must be specified. (4554984)**

When migrating directory entries from Netscape Messaging Server 4.x, specify an LDAP filter— using the `-F` argument to `imsdirmig`— that excludes the existing Netscape Messaging Server's postmaster entry. An example of such a filter is `-F "(!(cn=postmaster))"`. This filter will exclude the postmaster entry from the migration processing. If such a filter is not specified, `imsdirmig` fails to process the entry and exits on the resulting error, unless `-c` is specified to force `imsdirmig` to continue processing after it encounters an error.

- **Migrating Personal Address Book (PAB) entries from Netscape Messaging Server 4.15 to Messaging Server 5.2 requires the following steps: (4557878)**
 - a. When enabling multi-schema support, comment out `ns-pab-schema.conf` in the `ns-schema.conf` file.
 - b. After you run the `ims_dssetup` utility, you must regenerate the index for the following attributes on the directory server that holds the PAB entries:
 - i. `memberOfPAB` [index type pres,eq]
 - ii. `memberOfPABGroup` [index type pres,eq]

For information about running the `ims_dssetup` utility, see the *Messaging Server Migration Guide*, Chapter 3, section titled “Migrating from a Single-Server Netscape Messaging Server System,” sub-section titled “Migration Procedures,” step 3.

For information about regenerating the index for the above attributes, refer to the Directory Server documentation at:

<http://docs.sun.com/db/prod/sldirsrv>

- c. After you install Sun™ ONE Messaging Server, you will need to turn on the PAB migration as follows: `configutil -o local.service.pab.migrate415 -v on`

For information about installing the server, see the *Messaging Server Migration Guide*, Chapter 3, section titled “Migrating from a Single-Server Netscape Messaging Server System,” sub-section titled “Migration Procedures,” step 7.

- **The `imsrestore` command fails when restoring backed up SIMS 3.5 data that contains both uppercase and lowercase user names. (4631123)**

There is an inconsistency in the way the SIMS 3.5 server handles uppercase user names. Consequently, the backup file contains a mix of uppercase and lowercase user names. The `imsrestore` command will not restore the user when the user name in the catalog does not match the folder.

Upgrade

This section describes known problems, limitations, and considerations when upgrading Messaging Server.

- **During the upgrade process, any customizations made to the Messenger Express user interface are lost.** (no bugid)

The upgrade process now backs up the files in the `server-root/msg-instance/html` directory and saves them in the `server-root/msg-instance/backup.timestamp` where *timestamp* indicates the time at which the installation took place.

- **During the upgrade process, you are unnecessarily prompted for information about Delegated Administrator for Messaging and Collaboration.** (4538472)

The user is prompted by three separate screens, one prompt per screen. The three items that the user is prompted for are: the host name of the Delegated Administrator for Messaging and Collaboration (a fully qualified host name), the Web Server port, and the default domain. Though the prompted information is not needed by the server, the simplest work-around is to provide the requested information as demonstrated by the following example:

```
Host Name of the server: ims.india.sesta.com
Port number of the server: 80
Default Domain: india.sesta.com
```

- **Upgrading to Messaging Server 5.2 with Sun Cluster 3.x requires additional steps.** (4547718)

If you want to upgrade to Messaging Server 5.2 and you have installed Sun Cluster 3.0, Sun Cluster 3.0 Update 1 or Update 2 with a previous version of Messaging Server 5.x, you should first upgrade the Messaging Server installation. See the Upgrade appendix in the *Messaging Server Installation Guide*.

After completing the Messaging Server installation, you need to install the SUNWscims package (from the Messaging Server 5.2 CDROM) on each cluster node. For more information, see the HA installation chapter (specifically the section on Sun Cluster 3.0 U1 and U2 Agent Installation) in the *Messaging Server Installation Guide*. This process will upgrade your Messaging Server HA Agent.

- **mboxutil and reconstruct should keep the mboxlist partition and mailMessageStore attribute current.** (4547986)

If you are upgrading from a previous version of Messaging Server, you will have to make changes to two existing ACIs in the user and group LDAP directory server.

The Organization Tree base suffix and the Domain Component Tree base suffix have an ACI that grants the end user administrator account write-access to certain user attributes. Attribute `mailMessageStore` must be added to the existing ACI.

The ACIs are on the root nodes of the Organization and Domain Component trees. The ACIs to be modified have the name `Messaging Server End User Administrator Write Access Rights - product=ims5.0,class=installer,num=101,version=1`.

The best way to modify the ACIs in question is by using the Directory Server Console.

- **Because the imsimta cleanup utility does not work on an Windows NT platform, upgrading from Messaging Server 5.1 on a Windows NT platform results in hung MTA processes.** (4634975)

Prior to upgrading from Messaging Server 5.1, stop the Messaging Server processes (by using `stop-msg.bat`) and manually delete the `*.share` files in the `server-root\msg-instance\imta\tmp` directory. You can also delete the `*.share` files after the upgrade, however, to avoid hung processes at that point, you might need to reboot your system prior to deleting the files.

- **Some MTA configuration file settings are not present after upgrade.** (4638109)

Since the configuration files from the previous version of Messaging Server are backed up and used during the upgrade process, the “factory default” settings of the Messaging Server 5.2 MTA configuration files are not incorporated in the upgrade. Consequently, the configuration files will not pick up any new changes after the upgrade process.

The following procedures outline two methods for incorporating any customizations from your previous version of the MTA configuration files and the new settings in the Messaging Server 5.2 configuration files:

Method 1: To Add New Settings to the Previous Version of the MTA Configuration Files.

- a. Upgrade to Messaging Server 5.2. See the *Messaging Server Installation Guide* for upgrade instructions.
- b. Add the following settings to the following configuration files:
 - i. In the `imta.cnf` file, add `notices 1 7 14 21 28` after `subdirs 20` but before `backoff` in the `ims-ms` channel.

For example:

```
ims-ms defragment subdirs 20 notices 1 7 14 21 28 backoff "pt5m"
"pt10m" "pt30m" "pt1h" "pt2h" "pt4h" maxjobs 1 pool IMS_POOL
fileinto $U+$S@$D filter ssrd:$A
```

- ii. In the `mappings` file, append the following line to the end of the file:
`<IMTA_TABLE:mappings.locale`
- iii. In the `aliases` file, the default aliases have changed to the following entries

For UNIX platforms:

```
root@default_domain: postmaster
root@localhost: postmaster
postmaster@localhost: postmaster
```

For Windows NT platforms:

```
postmaster@localhost: postmaster
```

Replace *default_domain* with your default mail domain and *localhost* with the host name where Messaging Server is installed.

IV. In the `option.dat` file, remove the following line:

```
QUEUE_CACHE_MODE=2
```

Method 2: To Add Your Customized Settings from the Previous Version of the MTA Configuration Files to the Messaging Server 5.2 Version of the Configuration Files.

CAUTION The following procedure will overwrite the following MTA configuration files:
`imta.cnf`, `mappings`, `aliases`, `option.dat`, `native_option`,
and `channel.cat`

Be sure to backup these files prior to running this procedure.
Note that the upgrade creates a backup of the
`server-root/msg-instance/imta/config` directory.

- a. For UNIX operating systems, follow these steps:
 - I. Upgrade to Messaging Server 5.2. See the *Messaging Server Installation Guide* for upgrade instructions.
 - II. Go to the following directory `server-root/msg-instance/imta/config`
 - III. Create a directory named `orig`.
 - IV. Move the `imta.cnf`, `mappings`, `aliases`, `option.dat`, `native_option`, and `channel.cat` files to the `orig` directory.
 - V. Remove the `imta.cnf`, `mappings`, `aliases`, `option.dat`, `native_option`, and `channel.cat` files from the `server-root/msg-instance/imta/config` directory.
 - VI. Run the `jre -cp` command from the end of the `server-root/setup/msg/iplanet-msg-install.log` file. This JRE command will run the `imtaconfig.jar` file.

This command also indicates the `cmdpath` (the path to the JRE command and should be prepended to the `jre -cp` command) and the `runpath` (directory in which to run the command).

If the `server-root/msg-instance/iplanet-msg-install.log` file has the following entry:

```
MESSAGE: running command
  jre -cp
  "/usr/iplanet/server5/bin/msg/imta/classes/imtaconfig.jar"
  com.iplanet.msg.imta.config.InitConfig -v -d west.siroe.com -r
  west.siroe.com -h ketu.west.siroe.com -c
  /usr/iplanet/server5/msg-ketu/imta/config
  cmdpath: /usr/iplanet/server5/bin/base/jre/bin
  runpath: /usr/iplanet/server5/msg-ketu/imta/config
```

Then, the following example describes how to execute the `jre -cp` command:

```
# mkdir orig
# mv imta.cnf mappings aliases option.dat native_option
channel.cat orig
# cd /usr/iplanet/server5/msg-ketu/imta/config
# /usr/iplanet/server5/bin/base/jre/bin/jre -cp \
"/usr/iplanet/server5/bin/msg/imta/classes/imtaconfig.jar" \
com.iplanet.msg.imta.config.InitConfig -v -d west.siroe.com \
-r west.siroe.com -h ketu.west.siroe.com -c \
/usr/iplanet/server5/msg-ketu/imta/config
```

The JRE command will append its output to the `imtaconfig.log` file.

VII. Run the following commands for the new configuration to take effect:

```
# cd server-root/msg-instance
# ./imsimta cnbuild
# ./imsimta refresh
```

- b.** For Windows NT operating systems, follow these steps:
 - I.** Upgrade to Messaging Server 5.2. See the *Messaging Server Installation Guide* for upgrade instructions.
 - II.** Go to the following directory `server-root\msg-instance\imta\config`

- III. Create a directory named `orig`.
- IV. Move the `imta.cnf`, `mappings`, `aliases`, `option.dat`, and `channel.cat` files to the `orig` directory.
- V. Remove the `imta.cnf`, `mappings`, `aliases`, `option.dat`, and `channel.cat` files from the `server-root\msg-instance\imta\config` directory.
- VI. Run the `jre -cp` command from the tail of `c:\temp\iplanet-msg-install.log`. This JRE command will run the `imtaconfig.jar` file.

This command also indicates the `cmdpath` (the path to the JRE command and should be prepended to the `jre -cp` command) and the `runpath` (directory in which to run the command).

If the `c:\temp\iplanet-msg-install.log` file has the following entry:

```
MESSAGE: running command
jre -nojit -cp
"C:\iPlanet\Server5\bin\msg\imta\classes\imtaconfig.jar"
com.iplanet.msg.imta.config.InitConfig -d west.siroe.com -r
west.siroe.com -h ketu.west.siroe.com -c
C:\iPlanet\Server5\msg-ketu\imta\config -N
cmdpath: C:\iPlanet\Server5\bin\base\jre\bin
runpath: C:\iPlanet\Server5\msg-ketu\imta\config
```

Then, the following example describes how to execute the `jre -cp` command:

```
C:\iPlanet\Server5\bin\base\jre\bin\jre -nojit -cp
"C:\iPlanet\Server5\bin\msg\imta\classes\imtaconfig.jar"
com.iplanet.msg.imta.config.InitConfig -d west.siroe.com -r
west.siroe.com -h ketu.west.siroe.com -c
C:\iPlanet\Server5\msg-ketu\imta\config -N
```

The JRE command will append its output to the `imtaconfig.log` file.

VII. Run the following commands for the new configuration to take effect:

```
cd server-root\msg-instance
imsimta cnbuild
imsimta refresh
```

- **The ENS service on Windows NT platforms is not set for automatic startup after an upgrade. (4638111)**

By default, the ENS service is set for manual startup in Messaging Server 5.1. However, in Messaging Server 5.2, the ENS service performs an automatic startup on reboot. After upgrading to Messaging Server 5.2, the setting does not change from manual to automatic.

Work-around: The following steps will change the default setting of the ENS Service from manual to automatic startup.

- a. After the upgrade, select Services from the Control Panel.
- b. Select the ENS service.
- c. Click Startup.
- d. Change Start Type from Manual to Automatic.
- e. Click OK.

If you start the ENS service prior to upgrade, you must manually shut it down, or else the upgrade will fail with a message stating the `msglinks.nt.inf` could not be run. The `iplanet-msg-install.log` will indicate that the file `libchartable.dll` cannot be removed.

Messaging Server 5.x

This section describes known problems, limitations, and considerations with Messaging Server 5.x.

- **DOMAIN_UPLEVEL has been modified. (no bugid)**
The `DOMAIN_UPLEVEL` default value has changed from 1 to 0.
- **The following characters cannot be used in the User ID:**
`$ ~ = # * + % ! @ , { } () / < > ; : " ' [] & ?` (no bugid)

This constraint is enforced by Delegated Administrator for Messaging and Collaboration as well as the MTA when operating in direct LDAP mode. Allowing these characters in the User ID can cause problems in the message store. If you want to change the list of characters forbidden by the MTA, set the following option by listing a comma-separated string of the characters' ASCII values:

```
LDAP_UID_INVALID_CHARS=32,33,34,35,36,37,38,40,41,42,43,44,47,58,59,60,61,62,63,64,91,92,93,96,123,125,126
```

in the *server-root/msg-instance/imta/config/options.dat* file. Note that you are strongly advised against relaxing this constraint.

- **The SMTP server's default behavior will change in the next major release after the Messaging Server 5.2 release.** (no bugid)

The SMTP server's default behavior permissively accepts various line terminators. Currently, the `smtp` keyword is synonymous to the `smtp_crorlf` channel keyword on the `tcp` channels. While this behavior complies with the original SMTP specification (RFC 821), it does not comply with the latest revision of the SMTP specification (RFC 2821).

In the next major release of Messaging Server (after the Messaging Server 5.2 Patch 1 release), the meaning of the `smtp` keyword and the default behavior of the `tcp` channels will comply with the revised standard. Specifically, the `smtp` keyword will become synonymous to the `smtp_crlf` channel keyword. For more information, see the section on "Channel Protocol Selection and Line Terminators" in the chapter on Configuring Channel Definitions in the *Messaging Server Administrator's Guide*.

- **NFS is not supported for mailstores.** (no bugid)

NFS is not supported for several reasons, including: `open` with `O_EXCL` is non-atomic. This technique is used for synchronizing deferred handling between various threads.

- **Notifications can be customized and localized.** (no bugid)

To customize or localize notifications, you would create a complete set of `return_*.txt` files for each locale and/or customization and store it in a separate directory. For example, you could have French notification files stored in one directory, Spanish for another, and notifications for a special unsolicited bulk email channel stored in a third. Sample files for French, German, and

Spanish are included in this release. These files can be modified to suit your specific needs. Refer to Chapter 6 of the *Messaging Server Administrator's Guide* for complete information on Customizing and Localizing Notification Messages.

- **When using the MTA direct LDAP operation, you should run the `imsimta restart` command to immediately implement newly modified alias cache sizes or timeout values, or to immediately clear the alias cache.** (no bugid)
- **If the name service cache daemon (`nscd`) is not running in a Solaris operating environment, the services can fail.** (4353836)

This is a known Solaris bug. To avoid this problem, be sure to run the `nscd` service. In addition, the cache must be enabled for host lookups or else the `mshttpd` service will not work. For more information on `nscd`, refer to the Solaris man page.

- **The mailforwarding address field is limited to 1024 characters with `imsimta dirsync`.** (4532764)

If you use the `imsimta dirsync` option, the total length of all forwarding addresses is limited to 1024 characters. If the total length of all forwarding addresses exceeds 1024 characters, it is recommended that you use the mailing lists feature. Note that if you use the MTA direct LDAP feature, you will not encounter this limitation.

- **The `ldapsearch` command fails in the `ko` locale on Solaris platforms.** (4533913)

The Messaging Server installation fails if it is installed in the `ko` locale as a result of this problem.

Work-around: Install the Directory Server in a separate *server-root* directory from Messaging Server. Then, manually run `ims_dssetup.pl` on the Directory Server, using the default C locale instead of the `ko` locale.

Alternatively, you can install Messaging Server using another Korean locale, such as `ko_KR.EUC`, `ko.UTF-8`, or `ko_KR.UTF-8`.

- **LDAP search performance is significantly impacted by ACIs in Directory Server version 4.x.** (4534356)

This affects many searches performed by Sun™ ONE Messaging Server, and is especially apparent when using the `dirsync` utility. To speed up searches use directory manager credentials to access the directory by using the following commands:


```
msg-instance/configutil -o local.ugldapbinddn -v "rootdn" -l
msg-instance/configutil -o local.ugldapbindcred -v "rootdn_passwd" -l
```

where *rootdn* and *rootdn_passwd* are the credentials of the Directory Server's administrator.

Note that you can now utilize the Direct LDAP Lookup feature which obviates the need to use the `imsimta dirsync` command. For more information, refer to Appendix B in the *Messaging Server Administrator's Guide*.

- **As of Messaging Server 5.1, logging to mail.log_current is turned off by default.** (4535717, 4564207, 4811599)

Refer to the chapter on logging and log analysis in the *Messaging Server Administrator's Guide* on how to enable logging.

- **New Messaging Server sites that want to use Sun Cluster 3.0 High Availability will need to use Sun Cluster 3.0 Update 1 or later.** (4536098)

For information on installation and configuring Sun Cluster 3.0 Update 1 or later, refer to the *Messaging Server Installation Guide*. Note that Sun Cluster 2.2 support will be removed from the next major release.

- **Testing dynamic criteria for email-only membership does not work correctly.** (4537597)

While trying to add dynamic criteria to groups for email-only membership through the Messaging Console, the test button to test the dynamic criterion (also known as the LDAP URL) does not work. The functionality of email membership of the group will not be broken by this limitation.

- **The stored command does not recognize specific interface addresses to which servers might be bound (like in High Availability configurations).** (4538253)

The `stored` only recognizes `INADDR_ANY`, a constant value known internally to the server that specifies that this listen socket is listening to all IP addresses for this machine.

- **The MMP BadGuy configuration parameter, BGExcluded, does not work.** (4538273)

To work around this problem, you can deploy separate MMP servers to handle the clients that are excluded from bad guy rules. These servers must have `BadGuy` turned off.

- **To take effect, changes made using configutil often require a restart of the affected server or servers.** (4538366)

- **libimtamap.so does not parse the imta_tailor file.** (4538645)

When working with mapping entries that use `libimtamap.so`, for example:

*

```
$C$[IMTA_LIBMAP,immap_is_in_list_of_ip,$2|IMTA_TABLE:/ip.txt|$$Y  
]$, do not use strings that require variable substitution from the  
imta_tailor file. Instead, you should write out the full directory path as  
shown in the following example:
```

*

```
$C$[IMTA_LIBMAP,immap_is_in_list_of_ip,$2|/iplanet/server5/msg-s  
iroe/imta/  
config/ip.txt|$$Y]$,E
```

- **On Windows NT platforms, the stored process does not always start. Even if no process is running, the following message is still displayed, "Can not start stored. Looks like popd is already running."** (4539474/4811806)

The `stored` process reads the `pid` files for these services (like `popd`, `imapd`, and `mshttpd`) and checks if there is a process associated with that `pid` file. If a new process is started after an old process is stopped, the new process might associate itself with the old `pid` file on Windows NT platforms.

Work-around: If the `popd` (or `imapd` or `mshttpd`) service is not running when this error message displays, delete the `/server-root/msg-instance/config/pidfile.*`.

- **The Personal Address Book within Messenger Express only supports a limited number of objectclasses when creating nodes in the directory server.** (4539553)

When the user tree hierarchy contains nodes other than "ou", "o", "dc", or "c", the parallel PAB hierarchy must be created manually. For example, if you have users under `dept=1234,o=acme.com` you need to create `dept=1234,o=acme.com,o=pab`.

- **Place users at the correct DIT level when they are created in the Administration Console.** (4539837)

When you create a user or group through the Administration Console, ensure that you are selecting the correct organizational unit (ou) under which you want to create a user or group. To do so, use the drop-down list to choose New Organizational Unit; then click Create.

In the Select Organizational Unit window, select the directory subtree (ou) to which the organizational unit will belong. Placing your cursor on any of the directory subtrees will reveal the complete DN of the organizational unit.

- **On a Solaris client with a Netscape browser, Administration Console can only launch Help if a browser is already open.** (4539844, 4541748)

If Help does not launch from the Administration Console, create a script called “netscape”, such as the one given below, and place this script in your path:

```
#!/bin/sh
NETSCAPE=/usr/dt/bin/netscape # or whatever the path to the real netscape
is
EXITCODE=0
if [ "$1" = "--remote" ]
then
    $NETSCAPE $@ 2>/tmp/_netscape_remote_$$
    if [ $? -ne 0 -o -s /tmp/_netscape_remote_$$ ]; then EXITCODE=1 ; fi
    rm /tmp/_netscape_remote_$$
    exit $EXITCODE
else
    $NETSCAPE $@
fi
```

- **On Windows NT, Administration Console does not launch Help if a browser is already open.** (4539844)

On Windows NT, the Administration Console Help does not come up if a browser is already open. If it is not open it brings up a browser and the pages can be viewed. To work around this behavior move *server-root\bin\base\viewurl.exe* somewhere else, or rename the file, for example rename the file to *viewulr.exe.hide*.

- **Cannot enter 8-bit characters in certain fields.** (4539912)

When creating a new user in the Administration Console 4.2 in a localized environment, you may not be able to enter 8-bit characters (for example, Ě) in the First Name, Last Name, and Common Name fields.

Work-around: Enter the 8-bit character into a non-Console application, copy the character, and then paste it into the Administration Console, using <Control> + V, or use Delegated Administrator for Messaging and Collaboration.

- **CRAM-MD5/DIGEST-MD5 do not work with external SMTP connections.** (4540532)

The instructions to turn on CRAM-MD5/DIGEST-MD5 do not work for “external” SMTP connections (by default all connections not from the local host). However, it works as documented for IMAP/POP and internal SMTP connections. To fix this problem, run:

```
configutil -o sasl.external.ldap.has_plain_passwords -v 1
```

- **mailautoreplysubject does not have multi-language support from the Messaging Console. (4540780)**

The auto-reply subject line in Messaging Server Console does not provide multi-language support. If the attribute `mailautoreplysubject;lang-XX` (where *XX* is the language) is already set in Messenger Express or in Delegated Administrator for Messaging and Collaboration, the `mailautoreplysubject` attribute cannot be viewed or changed through the Messaging Console, since the Console looks for the attribute `mailautoreplysubject`, not `mailautoreplysubject;lang-XX`.

- **Administration Server access control host names are case-sensitive. (4541448)**

When configuring “Host Names to allow” for the Administration Server, the access control list is case-sensitive. If the DNS server uses mixed-case host names in the IN-ADDR records (used when translating from an IP address to a domain name), the access control list must use the same case. For example, if your host is `test.Sesta.Com`, then the access control list must include `*.Sesta.Com`. Due to this bug, `*.sesta.com` will not suffice.

For example, if the user/group base suffix is `o=isp`, then the DN of the service administrator group is `cn=Service Administrators,ou=groups,o=isp`. To designate the account `uid=ofanning, o=sesta.com, o=isp` as a service administrator, you should add the account’s DN to the group. In the following modify record, the designated user is added as a group member in the LDIF:

```
dn: cn=Service Administrators,ou=groups,o=isp
changetype: modify
add: uniquemember
uniquemember: uid=ofanning, o=sesta.com, o=isp
```

Furthermore, for users to have service administrator privileges, the attribute `memberof` must be added to the user entry and set to the Service Administrator Group, for example:

```
dn: uid=ofanning, o=sesta.com, o=isp
changetype: modify
add: memberof
memberof: cn=Service Administrators, ou=groups, o=isp
```

- **Cannot create expiration rules through the command line. (4542514)**

For example, the following command returns an error if the expiration rule name does not already exist: `configutil -o store.expirerule.name.folderpattern -v pattern`

Use Console instead of the command line. After an expiration rule is created, you can modify the parameters by using the `configutil` utility.

- **Domain cache does not refresh.** (4542726)

Due to the caching scheme, changing domain properties such as authorized services or status in LDAP does not take effect in IMAP, POP, SMTP, and HTTP until these services are restarted.

- **The % character does not work correctly in expiration rules.** (4542729)
- **Console does not create `sslpassword.conf` for MMP.** (4542738)

The `sslpassword.conf` file is not created when an SSL certificate is created from the console. This occurs when only the console, administration server, and MMP are installed (no Messaging Server or Directory Server).

- **The `mgrpErrorsTo` attribute is a single-valued attribute.** (4543159)

`mgrpErrorsTo` attribute does not support multiple values. If you want to specify multiple recipients for error messages, create a mailing list and specify the mailing list address as the value for the `mgrpErrorsTo` attribute.

- **Group attribute `mgrpMsgRejectAction` does not work.** (4543187)

The `mgrpMsgRejectAction` attribute is not supported in Messaging Server.

- **Anonymous login for IMAP is not supported.** (4543259)

- **If you use Microsoft Outlook Express as your IMAP mail client, the read and unread flags might not properly work. This is a known problem with the Microsoft Outlook Express client.** (4543930)

To enable the workaround, set the following configuration variable:

```
configutil -o local.imap.immediateflagupdate -v yes
```

If, while using the work-around, you experience performance issues, it is recommended that you discontinue using the work-around.

- **Some options in the `quotacheck` utility are not working properly.** (4555153)

In the `quotacheck` utility, the `-d` option for specifying the domain does not work for the default domain. Furthermore, the `quotacheck` utility returns incorrect error messages when the `-u` and `-n` options are specified.

- **On a Solaris client with a Netscape browser, certain fonts for Japanese Kanji characters might not display properly.** (4558408)

The Netscape browser might not display some Japanese Kanji characters properly in certain unicode font sizes (10, for example). To fix this, change the browser's unicode font size to 14.

- **The program delivery function requires the Messaging Server user to have a home directory. (4560660)**

If you wish to use the program delivery feature, the user under which Sun™ ONE Messaging Server runs must have a home directory, and must have permission to create and write files in the home directory.

- **On Solaris, upon startup, Console might display spurious error messages related to the Sun Cluster environment. (4562861)**

For example, you might see an error message such as:

```
Cluster.PMF.pmf: Error opening procfs control file
/proc/384/ctl for tag rg.rs.0.svc: No such file or directory
```

You can ignore these messages.

- **Incremental dirsync and HA. (4566005)**

If an incremental dirsync is in progress at the time of an HA failover, the alias database will be marked as unsafe. The administrator will be notified of this condition when the messaging server is brought back online. The following message will appear in the `log/imta/dirsync.trx-XXXX` file:

```
WARNING: sync_init: .dirsync_unsafe exists; database may be
corrupted
```

When this occurs, run the following: `imsimta recover-crash`

Any updates that occurred since the `imsimta dirsync -F` command was last run will be lost. After running `imsimta recover-crash`, run: `imsimta dirsync -F`

Note that you do not encounter this problem if you use the MTA Direct LDAP function.

- **For a short period of time (default is 15 minutes), it might be possible to log in to the account of a user marked for deletion. (4576530, 4588068)**

The IMAP, POP, and HTTP servers cache the LDAP entries of users who have recently logged in for the amount of time specified in the `service.authcachettl` configuration parameter. To make the deletion of a user immediately effective, you can run the servers with no authentication cache or turn off the authentication cache by setting `service.authcachettl` to 0 using the `configutil` utility and restarting all the services. Note, a setting of 0 will have an impact on performance.

This problem also applies to the Messaging Multiplexor (MMP); however, the MMP does not use `configutil`. It has a separate `AuthCachTTL` option in its configuration file.

- **The mail.log_current file has a file size limitation. (4621317)**

The mail.log_current log file stops incrementing once it reaches 2GB.

- **Access control filters do not work if the short form domain is used in the /etc/hosts file. (4629001)**

If there is a short form version of a domain name in the /etc/hosts file, there will be problems if you use a host name in an access control filter. When the IP address lookup returns a short form version of the domain name, the match will fail. Therefore, you should make sure you use a fully qualified domain name in the /etc/hosts file.

- **In an HA environment, you cannot send outgoing messages through Messenger Express if the service.http.smtphost configutil parameter is not properly configured. (4631446)**

Work-around: After running the ha_ip_config script, run the following configutil command:

```
server-root/msg-instance/configutil -o service.http.smtphost -v
logical_IP
```

For more information on running the ha_ip_config script, see the High Availability chapter in the *Messaging Server Installation Guide for UNIX*.

- **The MTA Direct LDAP comment in the imta.cnf file is incorrect. (4637048)**

The rewrite rule in the following comment in the imta.cnf file is incorrect:

```
! Uncomment the next line for Direct LDAP mode
! $* $E$F$U%$H@budgie.siroe.com$V$H
```

Instead, the rewrite rule should state the following:

```
! Uncomment the next line for Direct LDAP mode
! $* $E$F$U%$H$V$H@budgie.siroe.com
```

- **In Sun Cluster 3.0 U2 (Update 2), the nsldap resource goes into STOP_FAILED state and the resource group does not failover, even after reaching the Retry_count limit. (4638310)**

This is a known Sun Cluster 3.0 U2 (Update 2) problem that is due to a condition between the monitoring thread and an incoming stop. See Sun Cluster bugs: 4498808 and 4368936.

Work-around: Add `-y Retry_count = 1` to the following command (Step 11 in “Configuring Messaging Server HA Support for Sun Cluster” in the *Messaging Server Installation Guide for UNIX*):

```
# scrgadm -a -j ha-ldap -t SUNW.nslldap -g IMS-RG \  
-x Confdir_list=/global/ims/server5/slapd-mail \  
-y Retry_count=1 \  
-y Resource_dependencies=ha-storage
```

Note that if you upgrade to Sun Cluster 3.0 U3 (Update 3), you will longer have this race condition.

- **Console 4.2 is unresponsive if you attempt to click the Server Group that corresponds to Directory Server 5.1.** (4643634)

If you install Directory Server 5.1 and Messaging Server on the same machine, you will see two Server Groups in the Administration Console — one for Directory Server (Server Group) and one for Messaging Server (Server Group (2)). If you click Server Group (the server group for Directory Server), the Console becomes unresponsive, and you will see error messages in a terminal window. Similarly, in Console 5.0, if you click the server group for Messaging Server (Server Group (2)), you will see an error message in a terminal window and any running operation will fail; however, the console does not become unresponsive.

Work-around: For Console 4.2, in the `msgserver-root/java/jars` directory, replace the following files:

`ds51.jar`, `ds51_en.jar`, `admserv51.jar`, and `admserv51_en.jar` with zero-length versions of the files with the same names. If you click Server Group in Console 4.2, you will see the following error messages and will not be allowed to inadvertently access the wrong server:

```
Failed to install local copy of ds51.jar or one of its supporting  
files: not a ZIP file (END header not found)  
Failed to install a local copy of admserv51.jar or one of its  
supporting files: not a ZIP file (END header not found)
```


Similarly, for Console 5.0, in the *dirserver-root*/java/jars directory, replace the following files:

```
msgadmin52.jar, msgadmin52.icon, msgadmin52_en.jar, mcc42.jar,
mcc42_en.jar, admserv42.jar, admserv42_en.jar, admserv42.icon,
nmclf42.jar, and nmclf42_en.jar
```

with zero-length versions of the files. If you click Server Group (2) in Console 5.0, you will see error messages and will not be allowed to inadvertently access the wrong server.

See also bug: 4560710 in Installation and Uninstallation. For more information on Directory Server 5.1 or 5.2 and Messaging Server, see Appendix A of the *Messaging Server Installation Guide*.

- **Messenger Express Multiplexor does not work with non-default port numbers for back-end Messenger Express (HTTP) servers. (4697690)**

Work-around: You can configure the port number of the back-end Messenger Express (HTTP) server with the Messaging Multiplexor with the following configutil parameter:

```
local.service.http.proxy.port.hostname
```

For example, if the host name is `webmail.sesta.com` and the port number is `8888`:

```
configutil -o local.service.http.proxy.port.webmail.sesta.com -v
8888
```

- **A large welcome message prevents server startup. (4721749)**
Work-around: Create a welcome message that is less than 512 characters.
- **The `imsimta test -expression` command does not work as designed. (4726564)**
Sieve results are not reported.
- **Localized versions of `quotacheck` notification incorrectly convert the % and the \$ signs. (4729595)**
Work-around: To correct the encoding, replace every `$` with `\24` and replace every `%` with `\25` in the message file.
- **There can be performance degradation when using Messaging Server 5.2 Patch 1. (4737794)**
Work-around: Use Directory Server 5.1 or 5.2 instead of Netscape Directory Server 4.x.
- **Filters are ignored when there are errors in sieve filters. (4742425)**

If the MTA encounters a filter with invalid syntax, the filter is ignored and the messages are filed into the user's INBOX. The sieve RFC 3029 requires that these messages be treated as a default "keep." A delivery notification is sent to the sieve owner stating that the filter is invalid.

- **Messaging Server ENS does not start when Calendar ENS is running.** (4773665, 4868612)

If you install Messaging Server 5.2 Patch 1 and Calendar Server 5.1.1 on the same machine, the Messaging Server ENS will not start if the Calendar Server ENS is running.

- **Currently, MMP cannot be supported on Windows 2000 SP2 platforms.** (4775089)

MMP on Windows 2000 SP2 platforms will be supported in future releases of Messaging Server.

- **Windows 2000 SP2 platforms might encounter performance degradations.** (4782958)

Restrict the number of `imapd` threads with the following `configutil` command:

```
configutil -o service.imap.maxthreads -v 10
```

- **Messenger Express Multiplexor (MEM) does not have a configuration option to make use of the OS resolver as well as NSCD.** (4823042)

Work-around: Configure system as a caching-only DNS server in order to gain the benefit of caching `MX` and `A` records.

- **Difference in behavior between `imsimta dirsync` and the Direct LDAP mode exposes syntactically illegal addresses.** (4825161)

In the `dirsync` mode, the MTA changed illegal addresses such as:

```
jane.b.doe.@siroe.com  
.jane.b.doe@siroe.com  
jane..doe@siroe.com
```

to:

```
"jane.b.doe."@siroe.com  
".jane.b.doe"@siroe.com  
"jane..doe"@siroe.com
```

so that these addresses were legal (as explained in RFC822) and were found in the LDAP Directory Server. The corrected entries were first stored in the alias database and the users were found in the Directory Server.

However, in the Direct LDAP mode, the MTA no longer has a place to store corrected addresses. Consequently, the LDAP lookup is directly performed with the unquoted, illegal form of the address. If such an address is not quoted, the LDAP server does not recognize the address and the message is rejected.

Work-around: Change the `mail` attribute to the correct syntax as noted in RFC822. For example: `"jane..doe"@siroe.com` instead of `jane..doe@siroe.com`.

- **If indirect dependencies already exist between Sun Cluster resources, `scds_hasp_check()` may prevent `HASStoragePlus` from being supported with those existing configurations.** (4827911)

This behavior is observed in Sun Cluster 3.0 Update 3.

Work-around: Create a weak dependency for the existing resources on the `HASStoragePlus` resource.

Messenger Express

The following are known problems with Messenger Express:

- **The spell checker does not properly recognize or display the German umlaut (Ü).** (4546195)

The spell checker expects a character with an umlaut (for example, Ü) to be a character followed by double quote. (for example, u"). When displaying words with umlauts, the spell checker instead displays a character followed by a double quote.

- **If you are using Netscape Communicator, messages might shut down your browser on rare occasions.** (4549239)

Work-around: Use Internet Explorer version 5.5 SP2 (Service Pack 2) on the rare instance that you experience this behavior.

- **On Internet Explorer 5.0, very large messages are truncated when placed into the Sent folder.** (4558055)

Due to timing issues in Internet Explorer builds before 5.5 SP1, very large messages are truncated on slower machines with small amounts of memory. Use the recommended build of Internet Explorer 5.5 SP2.

- **Accessing Messaging Server through the standard portal gateway can cause Javascript problems.** (4560703)

Work-around: Use Portal Server 3.0 Service Pack 4.

- **Messenger Express with Greek on Netscape Communicator creates various issues.** (4560999)

Several minor glitches occur related to either javascript dialog or IMAP folder issues; users who run into these issues might want to use another browser.

- **Japanese EUC locale issues when using Netscape Communicator browser on Solaris.** (4561469, 4561550).

When using Netscape Communicator 4.x on Solaris in a Japanese EUC locale, the vcard of a message is displayed as gibberish.

A user will not be able to attach files with Japanese file names using Netscape Communicator 4.x browser on Solaris.

- **When using Netscape Communicator 4.x with Messenger Express, any window resize causes the session to return to the Inbox message list.** (4579429)

- **When the number of messages in a folder exceeds one page, getting mail from the last page of the folder generates an error.** (4618291)

This scenario exists when your Messaging Server is on a Solaris 2.6 operating environment or a Windows NT platform and the Messenger Express client is running on an Internet Explorer 5.5 SP2 (Service Pack 2) Web browser on either a Windows 98 or Windows 2000 SP2 platform.

- **With Directory Server 5.1 or 5.2, you will not be able to enter multiple email IDs for a single contact in the Personal Address Book.** (4633171)

Note that the Directory Server is exhibiting correct behavior. Due to a bug in Netscape Directory Server 4.x, you are able to enter multiple email IDs.

- **Clicking Send or Save Draft generates an error if your client web browser is Internet Explorer 6.0.** (4633206)

When you open the Compose window from the Folders tab, compose a message, and click Send or Save Draft, you will see a Javascript error if you are using Internet Explorer 6.0 as your client web browser. Despite the error, the message is sent (if you click Send) or saved (if you click Save Draft) as expected.

- **A blank character is trimmed in Messenger Express.** (4668749)

In Messenger Express, when there is a blank character at the beginning of a line in a plain text message, that character is trimmed.

- **When a maximum number of Personal Address Book user entries was reached, the Messenger Express interface produces a Javascript error.** (4666448)
- **When Single Sign-on is enabled, a user might be unable to logout from Messenger Express.** (4670621)

If you log on to Delegated Administrator for Messaging and Collaboration, and you open another web browser to log in to Messenger Express, you will not be prompted for your user ID and password if you have Single Sign-on enabled.

However, with Single Sign-on enabled, you will not be able to log out of Messenger Express successfully while you're still logged on to Delegated Administrator for Messaging and Collaboration.

Work-around: Enable Single Sign-off so that when you log out of Messenger Express, you also log out of other applications. Another work-around is to modify Messenger Express so that when you log out, you are sent to a web page which is different from where you originally logged into Messenger Express. To do this, edit the `main.js` and to change the `restart()` routine.

- **Enabling `service.ldapmemcache` causes error messages in Messenger Express.** (4693557)

The `configutil` parameter, `service.ldapmemcache`, is not a valid parameter; therefore, you should not use it.

- **The Compose window cancellation confirmation dialog box does not close.** (4726720)

If a user clicks the Compose button in Messenger Express, types a message, and then clicks the Cancel button, the dialog box message appears, "Close message and abandon changes." Regardless of whether the user clicks OK or Cancel, the Compose window closes, and the message is lost.

- **Messenger Express client in Internet Explorer (plain-text mode) emits lines longer than 1024 characters.** (4732760)

Messenger Express emits lines longer than 1024 characters, exceeding the limit allowed by RFC 2822. This is a problem when a receiving MTA follows the RFC standard and either truncates or bounces the message. Note that this bug is fixed in RTF mode. See bug 4699959 in the Fixed Bugs section.

- **Messenger Express incorrectly allows users to change their passwords to high ASCII characters.** (4745337)

If the user changes his password to high ASCII characters, he will not be able to re-login to Messenger Express with his new or old password.

- **The Copy to Folder feature in Messenger Express has been removed from versions of Messaging Server 5.2 and later. (4817233)**

Documentation Changes

This section describes any errors or changes to the Sun™ ONE Messaging Server 5.2 documentation set.

Administrator's Guide

This section describes any errors or changes to the *Messaging Server Administrator's Guide*.

- **In Appendix B, Enabling Direct LDAP Mode, Step 7 was clarified. (no bugid)**

Step 7 was changed from:

Compiled the modified MTA configuration. This must happen before it comes into effect.

to:

Compile the modified MTA configuration (`imsimta refresh`). This must happen before it comes into effect.

Messenger Express

This section describes any errors or changes to the *Messenger Express Customization Guide*.

- **To enable spell checking, you will need to create your own dictionary. (4622136)**

To create your own dictionary for your Messenger Express spell checker, you need to build a binary hash file and copy it to the `msgserver-root/dict` directory:

- a. Obtain the dictionary file and the affix file for the language you want add to your dictionary.

The dictionary file contains language-specific vocabulary and the affix file contains grammar rules for the specific language. Refer to the following link that specifies available dictionary and affix files as well as instructions on how to obtain these files:

<http://www.cs.hmc.edu/~geoff/ispell-dictionaries.html>

The French and English (United States) directories are shipped with this version of the Messenger Express and are located in the *msgserver-root*/dict directory.

- b. Use the `buildhash` utility to create a platform-specific, language-specific hash file from the dictionary and affix files. This hash file is used by the Messenger Express spell checker.
 - I. To run the `buildhash` utility, download the `ispell` source files available at the site <http://www.cs.hmc.edu/~geoff/ispell.html>.
 - II. Or, use the `buildhash` utility in the *msgserver-root*/dict/bin directory. The syntax for the `buildhash` utility is as follows:

```
buildhash dictionary_file affix_file language_name.hash
```

The *language_name* in the *language_name*.hash file is the two-letter language code used by Messenger Express (such as: `en` for English, `fr` for French). To determine your language's two-letter code, use the *msgserver-root*/msg-*instance*/configutil | grep local.supportedlanguages command.

NOTE At this time, double-byte character sets are not supported by the Messenger Express spell checker.

- c. Copy the newly created *language_name.hash* file in the *msgserver-root/dict* directory and restart the `mshttpd` service.

When the `mshttpd` service is restarted, the Messenger Express spell checker is enabled.

In the following UNIX platform example, an Italian hash file (*it.hash*) is created by using the `buildhash` utility. The *it.hash* file is then copied to the *msgserver-root/dict* directory. Finally, the `mshttpd` service is restarted to enable the Messenger Express spell checker:

```
# cd /usr/iplanet/server5/dict/bin
# ./buildhash italian.dico italian.aff it.hash
# cp it.hash ..
# /usr/iplanet/server5/msg-budgie/start-msg http
```

- **Customize Address Search to return more LDAP attributes.** (4778717)

The new `configutil` attribute, `local.service.http.ldapaddresssearchattrs`, accepts a list of LDAP attributes to return on an LDAP search. The syntax for the attribute is a comma-separated list. See the following example:

```
configutil -o local.service.http.ldapaddresssearchattrs -v "cn,
mail, sn, telephoneNumber"
```

This attribute does not apply to Personal Address Book searches.

Migration Guide

This section describes any errors or changes to the *Messaging Server Migration Guide*.

- **Netscape Directory Server 4.12 is referenced in the guide.** (no bugid)
Supported directory servers for Messaging Server Directory Server 5.1 or 5.2.

Reference Manual

This section describes any errors or changes to the *Messaging Server Reference Manual*.

- **The `local.ldapconnectionload` `configutil` attribute is no longer supported.** (no bugid)

The attribute originally enabled a temporary solution to a `libldap` bug. As of the Messaging Server 5.2hf0.4 (Hot Fix 0.4) bundle, the underlying problem has been resolved; consequently, the `local.ldapconnectionload` `configutil` attribute is no longer needed.

- **The `BANNER_HOST` SMTP channel option was prematurely documented in the Messaging Server 5.2 release.** (no bugid)

The `BANNER_HOST` SMTP channel option will not be implemented until the next major release.

- **The MTA channel keywords, `alternatechannel`, `alternateblocklimit`, `alternatelinelimit`, and `alternaterecipientlimit` were introduced in the Messaging Server 5.2 release.** (no bugid)

Use the following new MTA channel keywords on destination channels when you want to send large messages to an alternate channel:

Keyword	Usage
<code>alternatechannel</code>	<p>Specifies an alternate channel to which to enqueue a message when at least one of the following channel keywords, <code>alternateblocklimit</code>, <code>alternatelinelimit</code>, or <code>alternaterecipientlinelimit</code>, is exceeded.</p> <p>If any of the <code>alternate*limit</code> channel keyword limits is exceeded, the message will get diverted to the <code>alternatechannel</code>.</p> <p>Using one or more <code>alternate*limit</code> keywords without using <code>alternatechannel</code> does not cause an error; instead, it is merely ignored. Therefore, using <code>alternate*limit</code> keywords have no effect unless the <code>alternatechannel</code> keyword is specified.</p> <p>Syntax:</p> <p><code>alternatechannel</code> <i>channel_name</i></p>

Keyword	Usage
alternatblocklimit	<p>Specifies the maximum number of MTA blocks allowed per message on the original channel where the <code>alternatchannel</code> keyword is placed. Messages exceeding this number of blocks are forced to the channel's <code>alternatchannel</code>. Note that the interpretation of block size can be changed in the MTA options file by modifying the <code>BLOCK_SIZE</code> option.</p> <p>Syntax:</p> <p><code>alternatblocklimit <i>integer</i></code></p> <p>default: no limit</p>
alternatlinelimit	<p>Specifies the maximum number of lines allowed per message on the original channel where the <code>alternatchannel</code> keyword is placed. Messages exceeding this number of lines are forced to the channel's <code>alternatchannel</code>.</p> <p>Syntax:</p> <p><code>alternatlinelimit <i>integer</i></code></p> <p>default: no limit</p>
alternatrecipientlimit	<p>Specifies a limit on envelope recipients for a message copy on the original channel where the <code>alternatchannel</code> keyword is placed. Messages exceeding this number of envelope recipients on a message copy are forced to the channel's <code>alternatchannel</code>.</p> <p>The <code>alternatrecipientlimit</code> value is checked before addresses are split up into separate files due to channel keywords such as <code>addrspersfile</code>, <code>single</code>, or <code>single_sys</code>. Consequently, the <code>alternatrecipientlimit</code> value is compared against the total number of recipients (of the message in question) being enqueued to the channel in question, rather than being compared against the possibly smaller number of such recipients that may be stored in a particular disk file in the channel in question's queue area.</p> <p>Syntax:</p> <p><code>alternatrecipientlimit <i>integer</i></code></p> <p>default: no limit</p>

In the following channel block example, large messages over 5K, that would have gone out the `tcp_local` channel to the Internet, instead go out the `tcp_big` channel:

```
tcp_local smtp ... rest of keywords ... \  
  alternatechannel tcp_big alternateblocklimit 5  
tcp-daemon
```

```
tcp_big smtp ...rest of keywords...  
tcp-big-daemon
```

There are many ways to use the `alternate*` channel keywords:

- a. If you want to deliver large messages at a delayed or an off-hours time, you can control when the `alternatechannel` (for example, `tcp_big`) runs.

One method is to use the `imsimta qm` utility's `STOP channel_name` and `START channel_name` commands, executing these commands periodically via your own custom periodic job that is run by the Job Controller or via a cron job.

- b. When you want the Job Controller to process large messages or messages with many recipients in their own pool, you might also use the `alternatechannel`.

You can separate small messages or messages with few recipients from the large messages or messages with many recipients, since the latter might take longer for remote SMTP servers to process and accept; you might not want the larger messages to delay delivery of the smaller messages.

Note that the Job Controller's regular scheduling of messages and assigning of messages to threads and processes are acceptable in most configurations.

- c. When you want to set special TCP/IP channel timeout values for large messages or for messages with many recipients, you can use the `alternatechannel`.

In particular, setting special TCP/IP channel timeout values can be helpful if you want to send messages to remote hosts that take exceptionally long to receive large messages or messages with many recipients.

Note that the default automatic timeout adjustment should be sufficient for most configurations. At most, you might want to adjust the values from the defaults and not use a special channel. In particular, see the channel options `STATUS_DATA_RECV_PER_ADDR_TIME` and `STATUS_DATA_RECV_PER_BLOCK_TIME` in the *Messaging Server Reference Manual*.

- d. When you want special MIME message fragmentation for especially large messages, you can use the `alternatechannel` and the `alternateblocklimit` channel keywords along with the `maxblocks` channel keyword.

Typically, you would put the desired `maxblocks` size on your regular outbound TCP/IP channels, when you want to fragment messages over a specified size. The `maxblocks` channel keyword is normally both the threshold at which to perform fragmentation and the size to make the fragments.

But, if you want to have a larger threshold trigger and make smaller actual fragments, you can use the `alternatechannel` and `alternateblocklimit` on the outbound TCP/IP channel. You can then use the `maxblock` size on your alternate channel to fragment messages over a particular size.

- e. You might use the `alternatechannel` in conjunction with special filtering. For instance, a message with many recipients might need more careful scrutiny of its content in case it is spam. You might want to do different filtering based on the outgoing channel (See the `destinationfilter` channel keyword in the *Messaging Server Reference Manual*).

If you are performing relatively resource-intensive scanning (such as virus filtering) via the conversion channel, very large messages might have a resource issue. You might want to use an alternate conversion channel. Or, you might want to do special conversion procedures within the regular conversion channel, based on the outgoing channel.

- f. You can use the `alternatechannel` when you want large outgoing messages to go out their own channel, so that they stand out when you analyze the `mail.log*` file or in counters displays.

Furthermore, if you are trying to do careful analysis of delivery statistics, it is useful to process large messages in their own channel. This is because large messages or messages with many recipients that are sent to remote SMTP hosts are likely to take longer to finish processing, thus creating different delivery statistics for larger messages than for typical messages.

- **imsimta dirsync usage message parameters need to be documented.** (4713515)

The description for the `imsimta dirsync` utility in Chapter 2, Message Transfer Agent Command-line Utilities is missing descriptions for the following options: `-c`, `-C`, and `-u`.

The descriptions for these options are:

Option	Description
<code>-c</code>	Copies the databases from the backup directory to the database directory. This is a step included in the <code>imsimta recover-crash</code> command.
<code>-C call</code>	Allows the user to specify any custom loadable calls to be used during the directory synchronization process.
<code>-u path</code>	Allows the user to specify the directory path of the temporary directory to be used.

- **MTA channel keywords, `wrapsmtp` and `truncatesmtp`, were implemented in the Messaging Server 5.2 release.** (4547335)

The descriptions for the `wrapsmtplib` and `truncatesmtplib` channel keywords are as follows:

Keyword	Usage
<code>wrapsmtplib</code>	<p>Wrap line instead of truncating it.</p> <p>If the <code>wrapsmtplib</code> keyword is placed on a channel, a long line (over 1000 characters) will wrap to the next line.</p> <p>This keyword must be applied to the initial channel used for submission (such as <code>tcp_local</code>). It will not affect any channel that is switched to subsequently.</p> <p>Syntax:</p> <pre>wrapsmtplib</pre>
<code>truncatesmtplib</code>	<p>Truncate the line when it is over 1000 characters.</p> <p>If the <code>truncate</code> keyword is placed on a channel, a line over 1000 characters will be truncated.</p> <p>This keyword must be applied to the initial channel used for submission (such as <code>tcp_local</code>). It will not affect any channel that is switched to subsequently.</p> <p>Syntax:</p> <pre>truncatesmtplib</pre>

How to Report Problems

If you have problems with Sun ONE Messaging Server 5.x, contact Sun ONE customer support using one of the following mechanisms:

- Sun ONE online support web site at <http://www.sun.com/service/support/software/iplanet/index.html>.

From this location, the CaseTracker and CaseView tools are available for logging problems.

- The telephone dispatch number associated with your maintenance contract.

So that we can best assist you in resolving problems, please have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation.

- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem.
- Detailed steps on the methods you have used to reproduce the problem.
- Any error logs or core dumps.
- Output of the `imsimta version` command.

For More Information

Useful Sun ONE information can be found at the following Internet locations:

- **Sun ONE release notes and other documentation**
—<http://docs.sun.com/db/prod/sunone/>
- **Sun ONE product status** —
<http://www.sun.com/support/software/iplanet/index.html>
- **Sun ONE Professional Services information** —
<http://www.sun.com/service/sunps/sunone/index.html>
- **Sun ONE developer information** — <http://developer.iplanet.com/>
- **Sun ONE learning solutions** —
<http://www.sun.com/software/training/catalog/index.html>
- **Sun ONE product data sheets** — <http://www.sun.com/software/>

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For More Information