

PMDF V6.3 Release Notes

March 2006

This is a document containing a list of new features and bug fixes that have been made since PMDF V6.2-1. Note that some minor enhancements and bug fixes were included in the Windows release of V6.2-1 that were not included in the V6.2-1 release for the other platforms. Release notes items for those are also included here.

Software Version: PMDF V6.3

Operating System and Version: Solaris SPARC or Intel V2.6, V8 or later; (SunOS V5.6, V5.8 or later);
Tru64 UNIX V4.0D or later;
OpenVMS Alpha or VAX V6.1 or later;
OpenVMS I64 V8.2 or later;
Windows 2000; Windows 2003

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1 Installation of PMDF V6.3

This document contains installation gotchas and release notes for upgrading to PMDF V6.3 from V6.2-1 for all platforms. If you are upgrading from an earlier version of PMDF, please read the installation gotchas and release notes for all of the versions between your version and V6.3. Those release notes are available on the Process Software web site.

1.1 License Date

The release date for the PMDF V6.3 kit is:

27-MAR-2006

Check your PMDF licenses to make sure they are valid for this release. The release date contained in each license must be later than the release date of the kit. See the *PMDF Installation Guide* for your platform for more information about how PMDF licenses work.

1.2 Getting Help

Contact your PMDF distributor or Process Software if you need assistance or have questions concerning the installation or configuration of PMDF. Process Software provides technical support if you have a current Maintenance Service Agreement [support@process.com; 800-394-8700 or 508-628-5074]. If you obtained PMDF from an authorized distributor or partner, you receive your technical support directly from them. Timely notices, pointers to new PMDF images, and other PMDF news of interest may also be found at the Process Software web site, www.process.com.

1.3 Release Notes Location

The text version of these release notes is installed on VMS in the SYSSHELP directory, and on UNIX and Windows in the PMDF documentation directory. The postscript and PDF versions on all platforms are installed into the PMDF documentation directory (`PMDF_ROOT:[DOC]` on VMS, `/pmdf/doc` on UNIX, and `C:\pmdf\doc` on Windows).

1.4 Obtaining new files

New files may be obtained from the anonymous FTP account on <ftp.pmdf.process.com>; use FTP to connect to the host <ftp.pmdf.process.com> and login as the user `anonymous`. Use your e-mail address as the login password.

Move to the `pmdf_63_patches` subdirectory:

```
ftp> cd pmdf_63_patches
```

Patches will be located in platform-specific sub-trees, as follows:

Installation of PMDF V6.3

Obtaining new files

Platform	Subdirectory
OpenVMS	vms
Solaris/SPARC	solaris-sparc
Solaris/x86	solaris-x86
Tru64	osf
Windows	windows

2 Installation Gotchas

Make sure you read the *PMDF Installation Guide* for your platform before starting the installation. Make sure you complete the *Post-Installation Tasks for Upgrades* or *Post-Installation Tasks for New Sites* in the installation guide after the installation.

2.1 Recompile Compiled Configurations

As with every upgrade, it is required that all compiled configurations be recompiled (and reinstalled on OpenVMS). See the *Post-Installation Tasks for Upgrades* in the platform-specific installation guides.

2.2 PMDF CHBUILD and PMDF CLBUILD Require More Page File Quota

The implementation of PMDF CNBUILD, PMDF CHBUILD, and PMDF CLBUILD have changed for this version. In particular, PMDF CHBUILD and PMDF CLBUILD requires more page file quota (PGFLQUO) for the process running CHBUILD/CLBUILD, and requires a larger page file on the system. The required values for both vary from system to system, so if you run into a problem running out of quota or running out of page file space while running CHBUILD/CLBUILD, increase the size by double or triple until the problem is resolved.

2.3 Known Issues

1. There are no known issues at this time.

3 New Features

3.1 OpenVMS I64 (Integrity) Support

Support has been added for OpenVMS I64 (Integrity) systems. This provides the same functionality as OpenVMS VAX and OpenVMS Alpha platforms, with the following exceptions:

- The DEC Notes channel is not provided.
- The BULLETIN utility is not provided.
- Support for PMDF-X400 has been removed.
- Support for PMDF-MB400 has been removed.
- Support for PMDF-MR has been removed.

3.2 Solaris 10 Support

PMDF has added support for Solaris version 10.

3.3 LDAP Authentication Against Active Directory

The PMDF `pmdf_table:security.cnf` can now be configured to do username and password authentication with an `AUTH_SOURCE` of LDAP against Active Directory servers. (D/E 9281)

In order to specify the name of the attribute to use, specify the `LDAP_ATTRIBUTE` option. The standard Active Directory attribute is "sAMAccountName".

In order to specify a domain name and password for an account to use to bind to the Active Directory server in order to do the search for the username to authenticate, specify the `LDAP_SEARCHACCT_DN` and `LDAP_SEARCHACCT_PASSWORD` options.

For example, in your `pmdf_table:security.cnf` file, the `AUTH_SOURCE` LDAP section could look like this:

```
[AUTH_SOURCE=LDAP]
BASEDN=DC=Example,DC=com
SERVER=adserver.example.com
LDAP_ATTRIBUTE=sAMAccountName
LDAP_SEARCHACCT_DN=CN=Administrator,CN=Users,DC=Example,DC=com
LDAP_SEARCHACCT_PASSWORD=password
```

3.4 Many Enhancements and Bug Fixes

PMDF V6.3 contains many smaller enhancements and bug fixes. See the Release Notes chapter below.

4 Release Notes

The following sections document the enhancements and bug fixes that have been made since PMDF V6.2-1.

4.1 Installation and Startup

1. Changed the installation on OpenVMS to supply a default UIC of [374,1] for the PMDF_USER account. (D/E 9111) [OpenVMS only]
2. Changed the installation on OpenVMS to allow the installer to not specify any timezone. If no timezone is specified, PMDF uses the timezone set by the system. (D/E 10212) [OpenVMS only]
3. Added a "LOGICALS" parameter to the generated `pmdf_startup.com` which will only define the PMDF logicals and not try to load the PMDF licenses or start up the counters process, etc. (D/E 10209) [OpenVMS only]
4. Fixed an error message that showed up when running `pmdf_startup.com` on a node in a VMS cluster immediately after PMDF was upgraded from a different node in the cluster. (D/E 10213) [OpenVMS only]
5. Fixed a problem that could come up during VMS installations if there are both PMDF_STARTUP.COM and PMDF_STARTUP.COM_OLD files in SYSSSPECIFIC. The old PMDF_STARTUP.COM_OLD files are now deleted before the PMDF_STARTUP.COM files are renamed. [OpenVMS only]

4.2 Channels

1. Added channel keyword `relaxheadertermination` and `norelaxheadertermination`. Keyword `relaxheadertermination` is the default and corresponds to PMDF's standard behavior, which is to treat a line containing only spaces and tabs as meaning the same as a blank line, i.e. it terminates the header and the rest of the message is considered the body. If keyword `norelaxheadertermination` is specified on a channel, then a line within the header containing only spaces and tabs is treated as a continuation of the previous header line, and PMDF continues to process the next lines as part of the header. (D/E 10215)
2. Added channel keywords `acceptalladdresses` and `acceptvalidaddresses`. Keyword `acceptvalidaddresses` is the default and corresponds to PMDF's standard behavior. If keyword `acceptalladdresses` is specified on a channel, then all recipient addresses are accepted during the SMTP dialogue. Any invalid addresses will have a Non-Delivery Notice sent later. (D/E 10214)
3. Added syntax checking for the value of the `after` channel keyword on UNIX and Windows, to verify that it is an integer (and not, for example, a VMS-format delta time). (D/E 10240) (UNIX and Windows only)

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Channels

4. Fixed a problem using the `INLINE` feature for directory channels where messages for certain recipients to a mailing list can get lost if there is a temporary error in doing the directory channel lookup for that recipient. (D/E 9937)
5. The `SMTP XTSA` command now correctly displays the `Attempted` and `Rejected` counts for each channel. (D/E 9984)
6. Fixed a problem in the `tcp_smtp_client` where it would operate in single-threaded mode instead of multi-threaded mode like it should. (D/E 10103) [UNIX and Windows only]
7. Fixed a problem with the `defragment` channel on unix platforms. It would not work, reporting a failure of

`qcache_init_once:os_attach_share_memory failed,No such file or directory`
(D/E 10122) [Tru64 and Solaris only]

4.3 Dispatcher and Servers

1. A number of timing issues were corrected that could result in the creation of more worker processes than specified with the `MAX_PROCS` dispatcher configuration parameter. Some efficiency changes were made as well for VMS. (D/E 9966)
2. Fixed a problem with the legacy POP server where it would incorrectly tell the POP client that there were 0 messages in the folder when it got an error opening the folder. Due to this, the POP client may then download all messages in the folder again the next time it is able to access the folder. This has been changed to return an error message instead. (D/E 10029) [OpenVMS only]
3. The `DISPATCHER_printf` routine in the dispatcher API has been restored. (D/E 10180)

4.4 Job Controller

1. Fixed a problem on Solaris with processes being unable to contact the job controller. (D/E 10031) [Solaris only]
2. Fixed a problem whereby the `pmdf run channel slave` or `pmdf submit channel slave` command ran the master program for the channel instead of the slave. (D/E 10035) [UNIX and Windows only]
3. Fixed a problem where the job controller would reject a connection from another process if the hostname involved exceeded 32 characters. This limit has been raised. (D/E 10208) [UNIX and Windows only]

4.5 MailServ

1. Modified `MAILSERV` to be able to parse multipart/signed (e.g. PGP-signed) messages to recognize the `MAILSERV` commands in the plain text part. (D/E 9912)

2. Made some enhancements to MAILSERV to optionally be more liberal in what it accepts. If the `LIBERAL=1` option is set in `pmdf_table:mailserv_option`, then MAILSERV will strip out leading quote characters (> the greater-than sign), and will continue processing after reading an invalid command, and will strip out stray <mailto:xxx> strings. (D/E 7581)

4.6 Miscellaneous

1. Fixed a problem with the QM web interface "full listing" page in which the message count always shows 0 when it is using the queue cache database. (D/E 10057) [UNIX and Windows only]
2. Fixed a problem on unix platforms with `/pmdf/bin/get_count`, which is used by the post job and the return job to keep track of how many times that job has been run. It was returning 0 every time. It has been fixed to count upwards correctly. (D/E 9961) [Tru64 and Solaris only]
3. The following headers have been added to the known headers list: (D/E 10202):
 - DomainKey-Signature:
 - DomainKey-X509:
 - Authentication-Results:
 - X-PMAS-Software:
 - X-PMAS-Allowed:
 - X-PMAS-Quarantined:
 - X-PMAS-Final-Score:
 - X-PMAS-Spam:
 - X-PMAS-Not-Spam:
 - X-PMAS-Not-Positive:
 - X-PMAS-Sophos:
 - X-PMAS-NoVirus:
4. PMDF process queues will no longer crash on VMS 7.3-2 and higher when the MBA device unit numbers exceed MBA9999. (D/E 10129) [OpenVMS only]
5. Added a few new top-level domains (TLDs) to the internet.rules file.

4.7 popstore / MessageStore

1. Reconstructing a mailbox that contains "_BAD" files will no longer result in duplicate UIDs. (D/E 9905)

4.8 Security

1. Added support for the PWDMIX SYSUAF flag. The following special characters aren't supported: whitespace, open parenthesis (, close parenthesis), open brace {, percent sign %, asterisk *, double quote ", and backslash \. (D/E 9613) [OpenVMS only]
2. Fixed several problems related to intrusion records on VMS: problem with creating intrusion records for failed login attempts via SMTP, problem with intruders not being rejected when they should, problem with no audit record being created for a

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Security

failed login due to the remote user being flagged as an intruder, problem (on VAX only) with audit records never being created. (D/E 9174) [OpenVMS only]

4.9 TLS

1. Fixed a problem with using TLS with older versions of TLS, using protocols including SMTP and IMAP. The problem seen is an error message in log files saying "decryption failed or bad record mac". (D/E 9890) [Tru64 only]
2. Fixed a problem running the `tls_certreq` utility or sending messages using TLS. The problem seen is an error message in log files or on the screen saying "PRNG not seeded". (D/E 9893) [Tru64 and OpenVMS only]

4.10 Utilities

1. `pmdf chbuild` utility:
 - a. The following switches for `pmdf chbuild` on OpenVMS have been removed: `/ALPHA`, `/VAX`.
2. `pmdf cnbuild` utility:
 - a. The following switches for `pmdf cnbuild` on OpenVMS have been removed: `/ALPHA`, `/VAX`.
3. `pmdf db` utility:
 - a. The `pmdf db` utility now supports HUGE databases. The `open` command now supports `huge` as well as `short` and `long` keywords. The `add` command accepts an *alias-value* as long as 1024 bytes. (D/E 6975)
4. `movein` utility:
 - a. Fixed a problem using the `/BEFORE` or `/SINCE` qualifier where it would fail on the second folder that it processed. (D/E 9871) [OpenVMS only]
5. `pmdf send` utility:
 - a. Fixed a problem with sending text files containing lines longer than 1024 characters, even with `/ENCODING=QUOTED_PRINTABLE`. (D/E 9931) [OpenVMS only]