HP DECset for OpenVMS

Module Management System for OpenVMS Release Notes

October 2012

This release notes describes important general information, new and changed features, current restrictions, and documentation notes that pertain to the HP Module Management System Version 3.9-1 for OpenVMS software.

Operating System Version:	OpenVMS Integrity servers Versions 8.2-1, 8.3, 8.3-1H1, and 8.4 OpenVMS Alpha Versions 7.3-2, 8.2, 8.3, and 8.4
Software Version:	HP DECset Version 12.8 ECO3 for OpenVMS HP Module Management System Version 3.9-1 for OpenVMS

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Preface

This release notes describes the HP Module Management System for OpenVMS (HP MMS), Versions 3.9-1 and 3.9 software. It also contains information that either supplements or supersedes the information in the HP DECset Version 12.8 ECO3 for OpenVMS (DECset) documentation set.

Intended Audience

This document is intended for users and system managers who need information about HP MMS.

Document Structure

The document is organized as follows:

- Chapter 1 contains general information about this release.
- Chapter 2 contains a description of the new features.
- Chapter 3 describes the problems resolved.
- Chapter 4 describes the known problems.
- Chapter 5 describes the restrictions.

Related Documents

For additional information about OpenVMS or DECset products and services, see:

`http://www.hp.com/go/openvms`

Reader's Comments

HP welcomes your comments on this manual. Please send your comments or suggestions to:

`openvmsdoc@hp.com`

How To Order Additional Documentation

For information about how to order additional documentation, see:

`http://www.hp.com/go/openvms/doc/order`

Conventions

The following conventions are used in this document:

Convention	Description
$	A dollar sign ($) represents the OpenVMS DCL system prompt.
Ctrl/*x*	The key combination Ctrl/*x* indicates that you must hold down the key labeled Ctrl while you press another key, for example, Ctrl/Y or Ctrl/Z or a pointing device button.
boldface text	Boldface text represents the introduction of a new term.
`monospace boldface text`	Boldface monospace text represents user input in interactive examples.
italic text	Italic text represents book titles, parameters, arguments, and information that can vary in system messages (for example, Internal error *number*).
UPPERCASE	Uppercase indicates the name of a command, routine, the name of a file, the name of a file protection code, or the abbreviation of a system privilege.
lowercase	Lowercase in examples indicates that you are to substitute a word or value of your choice.

1
General Information

The information in this release notes pertain to the HP Module Management System for OpenVMS, Versions 3.9-1 and 3.9 software. HP suggests that you upgrade your environment incrementally with each new release, but there is no technical requirement to do so. It is recommended that you review the release notes for each version because they capture important release-oriented information and advise you of changes between versions.

1.1 Introduction

HP Module Management System Version 3.9-1 for OpenVMS is a patch release.

1.2 Associated Documents

The following documents contain information related to HP MMS.

The document associated with HP MMS is:

- *HP DECset for OpenVMS Guide to the Module Management System*

Also applicable are the general DECset documents:

- *HP DECset for OpenVMS Installation Guide*
- *HP DECset for OpenVMS Software Product Description*
- *HP DECset for OpenVMS Guide to Detailed Program Design*
- *Using HP DECset for OpenVMS Systems*

In addition to the base HP MMS documentation, the DECset engineering team has also provided the *HP DECset for OpenVMS Cookbook for an Integrated Product Development Environment*. This document comprises a series of technical articles that describe how each of the component applications can be used in different programming environments. This document is available in PostScript (.PS), HTML (.HTML), and ASCII text (.TXT) formats from the following location after installing the product:

```
SYS$SYSROOT:[SYSHLP.EXAMPLES.DECSET]DECSET_COOKBOOK.*
```

1.3 Associated Products

The HP DECset Clients for CMS and MMS software provides access from a desktop personal computer (PC) to the HP CMS libraries and HP MMS features residing on OpenVMS Alpha only. Note that the HP DECset Clients for CMS and MMS software is packaged and distributed separately from the HP DECset for OpenVMS, HP CMS and HP MMS products.

HP DECset Clients for CMS and MMS can be used from a personal computer running Microsoft Windows; see the associated Software Product Description for information on supported versions. Connection to a HP CMS library from the PC is possible once the server software (provided with the client) and the HP CMS for OpenVMS software are installed at the server site.

The main DECset Client windows offer menu access to most of the HP CMS and HP MMS functions. DECset Client commands can also be performed by clicking the command buttons on the toolbar. In addition, DECset Client supports drag-and-drop functionality for manipulating data within the DECset Client window. For configuration management, a set of files is stored in a HP CMS library on the OpenVMS system. These files can be fetched, reserved, and replaced in either the PC environment using the HP CMS Client or the local OpenVMS environment using HP CMS. As a result, a common configuration can be maintained regardless of the operating environment.

1.4 Using HP MMS with DECwindows Motif

To use HP MMS with the DECwindows Motif interface, one of the following product must be installed:

- HP DECwindows Motif for OpenVMS Integrity servers Version 1.6
- HP DECwindows Motif for OpenVMS Alpha Version 1.3–1 or 1.5

1.5 Installation Requirements

Table 1–1 lists the installation requirements for HP MMS.

Table 1–1 HP MMS Installation Requirements (Minimum)

Operating System	Disk Space During Installation	Disk Space After Installation	Global Page/Pagelets Required	Global Sections Required
OpenVMS Integrity servers	11,000	7,000	3,600 pagelets[1]	10
OpenVMS Alpha	7,500	4,500	1,900 pagelets[1]	6

[1]Plus the size (in number of disk blocks) of the file SYS$LIBRARY:DCLTABLES.EXE at installation

Table 1–2 lists the account quotas for HP MMS.

Table 1–2 HP MMS Account Quotas

Resource Name	OpenVMS Integrity servers	OpenVMS Alpha
ASTLM	14	14
BYTLM	13,000	13,000
ENQLM	30	30
FILLM	20	20
PGFLQUOTA	20,000	20,000
PRCLM	2	2

2
New Features

2.1 New Features in HP MMS Version 3.9-1

There are no new features added to HP MMS Version 3.9-1.

2.2 New Features in HP MMS Version 3.9

There are no new features added to HP MMS Version 3.9.

3
Problems Fixed

The following problems are fixed in HP MMS Version 3.9-1:

- WFM 4616057326-461 - On ODS-5 disk with case-sensitive enabled, MMS does not identify the lower case files that are present in the disk.
- WFM 4621623708-461 - On ODS-5 disk with MMS Versions 3.8-2 and 3.9, MMS is unable to recognize the lowercase file names in the object library module.
- WFM 4629111126-461 - On Alpha and Integrity servers, MMS Version 3.9 does not properly handle the .SUFFIXES directive. The built-in action routines are not activated when you use the .SUFFIXES directive. When the target is missing the MMS exits with a fatal error message whereas when the target is old the MMS does not activate the built-in action routines.
- WFM 4634314657-461 - If the files on the disk and the MMS file have the same file name, but the MMS file does not have any extension, it results in a failure.

The following problems was fixed in HP MMS Version 3.9:

- ID: DECSET-ICO-46 - When the quoted strings in descript file exceeds the limit of 256 characters, an error message is displayed.
- ID: DECSET-ICO-48 - On ODS-5 disk, when two files have the same file name, but with one having ~ character in the file name are present in the same directory, it fails with the following error message:

  ```
  %MMS-F-CMSNOLIB, Your default CMS library is undefined.
  ```

- ID: DECSET-ICO-58 - MMS build of DECforms object fails on OpenVMS Integrity servers as /[NO]LIST qualifier is not supported from DECforms Version 4.0 onwards.

4
Known Problems

The following known problems exist from HP MMS 3.8:

- ID:42 - Installation: HP Forms Management System for OpenVMS (FMS) related linker warnings when DECwindows is not installed.

  Installing HP MMS on systems without DECwindows, but with FMS, may cause linker warnings to occur. The link-time warnings are generated at installation time due to undefined FMS symbols, the warnings include:

  ```
  fdv$$plidispatch sys$common:[syslib]starlet.olb
  fdv$$plitrm sys$common:[syslib]starlet.olb
  ```

  The warnings can safely be ignored.

- ID:143 - The HP MMS description file generator does not create the correct actions in the description file for a Pascal source file that is referenced as an environment module if the source file does not contain the ENVIRONMENT attribute.

  Ensure that all source files referenced as environment modules contain this attribute.

5
Restrictions

The following restrictions apply from HP MMS Version 3.8-2:

ODS-5 Related Restrictions:

- On ODS-5 disks, the file name suffixes are not case-sensitive when /CASE_ LOOKUP=SENSITIVE and /PARSE_STYLE=EXTENDED are set.

  For example, the rules for building ".OBJ" and ".obj" files will be the same. The description file can define only one suffix ".OBJ" and defining ".oBj" (or in any mixed case format) will display the following message:

  ```
  %MMS-I-ALRINSUFFLST  "Already in suffix list"
  ```

The following restrictions apply from HP MMS 3.8:

ODS-5 Related Restrictions:

- Following special characters are not allowed in file names:

  ```
  ; (  ~  "
  ```

- MMS aborts due to the following Linker warning when the object file name is longer than the traditional 39.39 (File name length.File type length) characters.

  ```
  %LINK-W-MAXNAM
  ```

  Work around: Use /name=<name (<= 39 characters)> qualifier with Link command. For example:

  ```
  $Link/name=Hello <long file name>
  ```

- MMS displays the following warning

  ```
  %MMS-W-GWKACTNOUPD, Actions didn't update MMS$OLB.OLB
  ```

  When the object file name is longer than traditional 39.39 (File name length. File type length) characters.

- For OpenVMS files, CMS elements, library elements, and CDD entities, MMS can establish date and time of sources and targets. For any other kind of object, rules must be supplied in the description file to instruct MMS how the date and time of this object can be determined. You must supply a rule in the description file named 'kind_GETTIME, which enables MMS to determine the date and time associated with these objects.

  While using this with ODS-5 support version of MMS, keywords _GETTIME and _FIRST must be given in either upper or lower case.

- ODS-5 support version of MMS does not recognize sources from CMS library if the case of element is different. The case of source name in the DESCRIP file has to match with the case of element name in the CMS library.

- Specifying more than one description file, separated by commas or plus signs, is not supported with the DECwindows interface. Only the first description file listed is displayed in the description file area. Only the first description file is used in the HP MMS command.
- Restriction on size of search list HP MMS propagates to the subprocess.

  The problem is not really within HP MMS, but rather in DCL, which has an undocumented restriction on the size of a process logical name search list that can be successfully copied to a subprocess. Use of the SPAWN command would show the message:

  ```
  %DCL-W-SYMTOOLNG, symbol is too long to copy to subprocess
  ```

  The problem can be worked around by using several smaller logical name search lists, or by putting the logical names in a job-wide logical name table, which is *shared with* (not copied to) the subprocess.
- Changing fonts may cause buttons to disappear in the Sources, Additional Link Libraries, and Options Files dialog boxes.
- The following restrictions apply to HP MMS for support of the HP Forms Management System for OpenVMS (FMS) libraries.
  - Support in HP MMS for FMS libraries is determined during the installation of HP MMS. If FMS is installed on the system when HP MMS is being installed, HP MMS will contain support for FMS. If FMS is not installed on the system when HP MMS is being installed, HP MMS will not contain support for FMS.
  - If FMS is installed on a system after HP MMS has been installed without FMS support, then HP MMS will have to be reinstalled in order to contain FMS support.
  - If FMS is removed from a system, HP MMS will have to be reinstalled in order to remove FMS support. HP MMS will access violate if there is an attempt to use FMS libraries.
  - If a new version of `STARLET.OLB` is installed on a system, HP MMS will have to be reinstalled so it reflects any changes in the new version of `STARLET.OLB`. HP MMS may access violate if FMS has not been installed with the new version of `STARLET.OLB`.
  - HP MMS with FMS support may crash with an access violation if the FMS shareable images are not installed as known images. If HP MMS fails to run correctly when FMS is installed on the system, ensure that the FMS shareable images are installed as known images; this is achieved by executing the commands:

    ```
    $install add/open/share SYS$LIBRARY:FDVSHR
    $install add/open/share SYS$MESSAGE:FDVMSG
    ```

    Both of the shareable images must be installed in order for FMS to function properly.