

HP FTAM/9000 Release Notes

Edition 1



B1033-90089

HP 9000 Networking

E1200

Printed in: U.S.A.

© Copyright 1997, Hewlett-Packard Company.

Legal Notices

The information in this document is subject to change without notice.

Hewlett-Packard makes no warranty of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Hewlett-Packard shall not be held liable for errors contained herein or direct, indirect, special, incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Warranty. A copy of the specific warranty terms applicable to your Hewlett-Packard product and replacement parts can be obtained from your local Sales and Service Office.

Restricted Rights Legend. Use, duplication or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 for DOD agencies, and subparagraphs (c) (1) and (c) (2) of the Commercial Computer Software Restricted Rights clause at FAR 52.227-19 for other agencies.

HEWLETT-PACKARD COMPANY 3000 Hanover Street Palo Alto, California 94304 U.S.A.

Use of this manual and flexible disk(s) or tape cartridge(s) supplied for this pack is restricted to this product only. Additional copies of the programs may be made for security and back-up purposes only. Resale of the programs in their present form or with alterations, is expressly prohibited.

Copyright Notices. ©copyright 1983-97 Hewlett-Packard Company, all rights reserved.

Reproduction, adaptation, or translation of this document without prior written permission is prohibited, except as allowed under the copyright laws.

©copyright 1979, 1980, 1983, 1985-93 Regents of the University of California

This software is based in part on the Fourth Berkeley Software Distribution under license from the Regents of the University of California.

©copyright 1980, 1984, 1986 Novell, Inc.

©copyright 1986-1992 Sun Microsystems, Inc.

©copyright 1985-86, 1988 Massachusetts Institute of Technology.

©copyright 1989-93 The Open Software Foundation, Inc.

©copyright 1986 Digital Equipment Corporation.

©copyright 1990 Motorola, Inc.

©copyright 1990, 1991, 1992 Cornell University

©copyright 1989-1991 The University of Maryland

©copyright 1988 Carnegie Mellon University

Trademark Notices. UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Limited.

X Window System is a trademark of the Massachusetts Institute of Technology.

MS-DOS and Microsoft are U.S. registered trademarks of Microsoft Corporation.

OSF/Motif is a trademark of the Open Software Foundation, Inc. in the U.S. and other countries.

Contents

Announcements	10
What's In this Version?	11
Benefits	11
Features	11
Compatibility and Installation Requirements	13
Software Requirements	13
Hardware Requirements	13
Operating System	13
Disk Space and Memory Requirements	13
Installation Instructions	13
Patches and Fixes/Enhancements in this Version	14

Contents

Contents

Printing History

The manual printing date and part number indicate its current edition. The printing date will change when a new edition is printed. Minor changes may be made at reprint without changing the printing date. The manual part number will change when extensive changes are made.

Manual updates may be issued between editions to correct errors or document product changes. To ensure that you receive the updated or new editions, you should subscribe to the appropriate product support service. See your HP sales representative for details.

1 **HP FTAM/9000 Release Notes**

Announcements

HP FTAM/9000 version E.07.00 on HP-UX 11.11 is now available. File Transfer, Access and Management (FTAM) is an international standard for transfer, access, and management of files in an open network. HP FTAM/9000 is an HP implementation of this standard.

What's In this Version?

HP FTAM/9000 version E.07.00 on HP-UX 11.11 contains new features and functionalities.

Benefits

Upgrading to FTAM/9000 version E.07.00 will provide the following benefits/support :-

1. Compatible with dynamic restart feature of OTS.
2. Support for 11.11 FTAM 64-bit API library.
3. Support for FTAM API tracing using environment variable.

Features

HP FTAM/9000 version E.07.00 provides the following features:

1. Compatible with dynamic restart feature of OTS stack.

OTS on 11.11 supports dynamic restart, i.e., the stack can be stopped and restarted without requiring a system reboot. The FTAM error and log messages have been changed to accommodate this. For more information on the dynamic restart feature of OTS, refer to the OTS release notes for 11i (part number 32070-90049).

2. Support for 64 bit FTAM API libraries.

64-bit applications using 64-bit versions of libmap.sl[a] or libmapftam.sl[a] FTAM API library, can now be compiled and run. The compilation can be done on a 32-bit or 64-bit system using 64-bit compilation option of C-compiler. These compiled applications can then be run on a 64-bit system. No changes need to be made to applications to compile in 64-bit mode or for execution on a 64-bit system.

As an example any of the 64-bit FTAM API demos available in `'/opt/ftam/demos'` can be built using the `'/opt/ftam/demos/Makefile_64'` makefile.

What's In this Version?

3. Feature to enable FTAM API tracing by setting an environment variable.

No specific code changes are required in the application to take advantage of this new feature. Please refer

'`/opt/ftam/demos/README.api_trace`' for more details.

Compatibility and Installation Requirements

Software Requirements

- HP OTS/9000 version C.11.00
- HP FTAM/9000 version E.07.00

Hardware Requirements

- HP 9000 Server
- Installation/Update hardware such as:
 - DDS tape drive
 - CDROM drive
 - Networking link adapter (e.g. HP LAN/9000 card)

Operating System

- HP-UX 11.11

Disk Space and Memory Requirements

- 20 MB of disk space
- 16 MB of memory

Installation Instructions

There are no special installation instructions for HP FTAM/9000 version E.07.00.

Refer to the manual *Installing and Administering HP FTAM/9000* for the installation instructions.

Patches and Fixes/Enhancements in this Version

HP FTAM/9000 version E.07.00 on HP-UX 11.11 contains the following fixes:

1. **JAGac95633**

Enhancement Description

Enhancement for 64-bit FTAM API libraries.

2. **JAGac40049**

Enhancement Description

Enhancement for the need to be able to trace FTAM APIs with environment variables.

3. **JAGad37961**

Symptom

ftam command "fcp login@remote:/file login@machine:/file -X" is failing.

Defect Description

For "fcp login@remote:/file login@machine:/file -X" command ftam opens a connection for reading attributes of the remote file. This connection is negotiated with parameters required for reading attributes. Then ftam opens another connection for copying the file. FTAM initiator is not updating the negotiated parameters for the second connection due to which the negotiation fails.

Resolution

The negotiated parameters are maintained per connection.

4. **JAGad46194**

Symptom

HP FTAM hangs in a period of three days with SUN responder.

Defect Description

HP's FTAM/9000 sends the calling-AE-invocation-identifier which is optional in ACSE AARQ-PDU

Resolution	<p>which some implementations (like SUN) do not support causing the ftam to hang.</p> <p>The problem is resolved by maintaining a flag <code>CALLING_AE_INV_ID_FLAG</code> in the <code>ftam_conf</code> file. This flag when set would send the calling-AE-invocation-identifier as part of the ASCE AARQ-PDU & when disabled the calling-AE-invocation-identifier would not be sent as a part of the AARQ-PDU.</p>
5. JAGab75259	
Symptom	<p><code>ft_rdataqos()</code> returns <code>des_received=0</code> when there is no data.</p>
Defect Description	<p>With <code>qos</code> parameter set to a value greater than 0 and the <code>V_PDU_MAX_STRING/string_length</code> is greater than <code>des_requested</code>, until the checkpoint is acknowledged, a null PDU or <code>des_received=0</code> should be returned to User Process (UP). The return of null PDUs to UP was not occurring for all valid values of <code>string_length</code>. This is because of an error in handling the checkpoint.</p>
Resolution	<p>The handling of the checkpoint is corrected. A null PDU or <code>des_received=0</code> is returned to the UP for all the valid values of <code>string_length</code>.</p>
6. JAGab84586	
Symptom	<p>FTAM include file not ANSI C++ compliant.</p>

Patches and Fixes/Enhancements in this Version

Defect Description	One of the structure declaration in the ftam demos header file was not ANSI C++ compliant, resulting in compilation error with ANSI C++ compiler.
Resolution	The structure declaration has been made ANSI C++ compliant.
7. JAGac86629	
Symptom	FTE011_AE_INVOC_EXHAUSTED: No more AE invocations allowed.
Defect Description	While releasing AE invocation ID, if the semop() system call was interrupted, the execution continued with out decrementing the AE invocation ID counter. In the long run this resulted in AE invocation ID counter reaching its maximum. No further AE invocation ID could be allocated, because of which applications aborted with the message "No more AE invocations allowed".
Resolution	In case of an interrupt the semop() system call will be retried and AE invocation ID counter will get decremented on releasing AE invocation ID.
8. JAGad11154	
Symptom	netfmt dumps core when SHM (subsystem 116) has log entries.
Defect Description	SHM formatting module was dumping core because of invalid pointer reference. Also the logs of SHM subsystem were referring to obsolete user manuals.
Resolution	The invalid pointer reference has been fixed.

The SHM subsystem has been modified to refer to correct user manuals.

9. JAGad29210

Symptom

FTAM shared libraries(.1) doesn't exist on /usr/lib directory.

Defect Description

The problem was related to the way, the FTAM shared libraries had been created. We were not giving the desired full shared library path, while creating it. Because of this, the loader was not able to load the libraries when the applications were executed.

Resolution

Now the full path has been given while creating the shared libraries.

HP FTAM/9000 Release Notes
Patches and Fixes/Enhancements in this Version