

# HP-UX FTAM Release Notes

**HP-UX 11i v2**

**Edition 1**



**i n v e n t**



**Manufacturing Part Number: B1033-90090**

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United States

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# **1 HP FTAM Release Notes**

## **Announcement**

HP FTAM version E.08.01 on HP-UX 11i v2 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 is a HP implementation of this standard.

## **What is in this Version?**

HP FTAM version E.08.01 on HP-UX 11i v2 contains new features and functionalities.

### **Features**

HP FTAM version E.08.01 provides support for IPF FTAM API libraries (32 bit and 64 bit), 32 bit binaries for IPF (Itanium Platform). Therefore, FTAM applications can be compiled on IPF, linked with IPF libraries, and run on IPF.

### **Benefits**

Upgrading to FTAM version E.08.01 will provide support for HP-UX 11i v2 FTAM 64-bit API library.

## Compatibility Information and Installation Requirements

### Software Requirements

- HP OTS/9000 version C.12.00 or above
- HP FTAM version E.08.01

### Hardware Requirements

- Machine Types
  - HP Integrity rx2600 server
  - HP Integrity rx4640 server
  - HP Integrity rx5670 server
  - HP Integrity rx7620 server
  - HP Integrity rx8620 server
  - HP Integrity Superdome server
- Installation/Update hardware such as:
  - DDS tape drive
  - CDROM drive
  - Networking link adapter (For example HP LAN/9000 card)

### Operating System

- HP-UX 11i v2

### Disk Space and Memory Requirements

- 50 MB of disk space
- 16 MB of memory

## **Installation Instructions**

For installation instructions, refer to the manual *Installing and Administering HP FTAM* (<http://docs.hp.com/hpux/onlinedocs/B1033-90034/B1033-90034.html>).

## Defects and Enhancement requests included in this release

### 1. ENHANCEMENT

Enhancement Description

FTAM has been ported from HP-UX 11.11 to HP-UX 11i v2. FTAM is now available for HP-UX 11i v2. FTAM binaries and libraries are available for IPF.

### 2. JAGae64015

Symptom

FTAM performance is low.

Defect Description

FTAM resp performance is low due to the sleep(1) in AP\_rcv\_prim() when ap\_rcv() returns AP\_AGAIN.

Resolution

Now whenever ap\_rcv() fails with AP\_AGAIN error, AP\_rcv\_prim() poll on the file descriptor using ap\_poll() for a few milliseconds, which is configurable using "/etc/opt/ftam/conf/ftam\_conf".

AP\_POLL\_TIME - Amount of time(ms) to poll.

AP\_POLL\_RTRYC - Number of times to poll. If ap\_poll() doesn't succeed with data availability, AP\_rcv\_prim() goes for sleep(). The sleep time is also configurable using "/etc/opt/ftam/conf/ftam\_conf"

AP\_RCV\_USLP - Upper mark value of seconds for sleep.

AP\_RCV\_LSP - Lower mark value of seconds for sleep.

The configurable parameters mentioned above should only be modified by HP representative.



HP FTAM Release Notes

**Defects and Enhancement requests included in this release**

3. JAGae37830

Symptom	FTAM resp leaks memory when NetTL is enabled.
Defect Description	When NetTL is enabled the buffer allocated to hold the PDU is not freed.
Resolution	The code has been modified to free the buffer.

4. JAGae16872

Symptom	FTAM resp dies due to AP_AGAIN error returned by ap_set_env() API.
Defect Description	When ap_set_env() returns AP_AGAIN error, FTAM code has to retry the ap_set_env() again. The code is killing ftam_resp daemon if FTAM resp gets AP_AGAIN error from ap_set_env(). Ideally FTAM code should have retried the same ap_set_env().
Resolution	The code has been modified to retry ap_set_env().

5. JAGad95235

Symptom	FTAM Applications using only synchronous low level APIs fail with PROTOCOL ERROR.
Defect Description	While processing the close request, FTAM responder calls f_close_ind twice. The second invocation of f_close_ind() puts the FTAM Responder in inconsistent state and generates the protocol error.
Resolution	The code has been modified to remove the second invocation of f_close_ind().

**Defects and Enhancement requests included in this release**

6. JAGad95212

Symptom

FTAM Applications fail due to total number of opened file reached the maximum limit. .

Defect Description

vi\_conc\_print\_debug() function opens a file in FTAM. The opened file is not properly closed by vi\_conc\_print\_debug().

Resolution

The code has been modified to close the opened file.

7. JAGad57081

Symptom

Incorrect NetTL message logged when FTAM Service provider is unavailable..

Defect Description

When FTAM service provider is not available, the NetTL message logged by FTAM is: "(MSGE\_NO\_ADDRS) Unable to create an IPC call socket address because the call socket directory '/usr/spool/sockets/osi' does not exist. Create the call socket directory with the following permissions.

/usr bin bin 555

/usr/spool bin bin 555

/usr/spool/sockets bin bin 555

/usr/spool/sockets/osi bin bin 777"

The paths described in this error message are not relevant to HP-UX greater than 9.x.

The correct paths are:

/var/opt bin bin 555

HP FTAM Release Notes

**Defects and Enhancement requests included in this release**

	<pre>/var/opt/ftam bin bin 555 /var/opt/ftam/spool bin bin 555 /var/opt/ftam/spool/sockets</pre>
Resolution	<p>The error message has been changed to "(MSGE_NO_ADDRS) Unable to create an IPC call socket address because the call socket directory '/var/opt/ftam/spool/sockets' does not exist. Create the call socket directory with the following permissions.</p> <pre>/var/opt/ bin bin 555 /var/opt/ftam bin bin 555 /var/opt/ftam/spool bin bin 555 /var/opt/ftam/spool/sockets bin bin 777"</pre>
8. JAGad54632	
Symptom	<p>ft_fmmove() dumps core when API trace is enabled.</p>
Defect Description	<p>If API trace is enabled, then the parameter passed to print_file_passwords() by ft_fmmove() API is not correct. The print_file_passwords() dumps core when it tries to access the incorrect parameter passed to it.</p>
Resolution	<p>The code has been changed to pass the correct parameter to print_file_passwords().</p>
9. JAGad54642	
Symptom	<p>ft_frattributes() dumps core when API trace is enabled.</p>

**Defects and Enhancement requests included in this release**

Defect Description	If API trace is enabled, ft_frattributes() API uses fprintf() to print Octet string. Ideally it should have used print_single_file_pw() function to print the Octet string.
Resolution	The code has been changed to use print_single_file_pw() to print the string.
10. JAGad54485	
Symptom	ft_frattributes_aet() dumps core when API trace is enabled.
Defect Description	If API trace is enabled, ft_frattributes_aet() API uses fprintf() to print Octet string. Ideally it should have used print_single_file_pw() function to print the Octet string.
Resolution	The code has been changed to use print_single_file_pw() to print the string.
11. JAGad54054	
Symptom	ft_fmove_aet() dumps core when API trace is enabled.
Defect Description	If API trace is enabled, then the parameter passed to print_file_passwords() by ft_fmove_aet() API is not correct. The print_file_passwords() dumps core when it tries to access the incorrect parameter passed to it.
Resolution	The code has been changed to pass the correct parameter to print_file_passwords().
12. JAGad49767	
Symptom	FTAM application returns without any error in DATA transfer regime.

**Defects and Enhancement requests included in this release**

Defect Description

If a FTAM application is in DATA transfer regime and OTS is stopped on remote system, then FTAM returns without any error.

Resolution

The code has been modified to return error.

## **Software Availability in Native Languages**

HP-UX FTAM (E.08.01) is not available in non-English languages.