

# **TIBCO MFT Internet Server**

## **Release Notes**

*Software Release 7.2.6  
September 2016*

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# Introduction

TIBCO Managed File Transfer Internet Server version 7.2.6 is now generally available. MFT Internet Server enables organizations to exchange information over the internet with complete security and control. MFT Internet Server is the portal through which all files are exchanged with external users.

MFT Internet Server is the application to jumpstart your company into the next generation of file transfer applications.

MFT Internet Server:

- Offers compliance with all major regulatory mandates including Sarbanes-Oxley, PCI-DSS, HIPAA, Gramm-Leach-Bliley, and FIPS 140-2
- Supports all standard protocols including HTTP, HTTPS, FTP, FTPS (SSL), SFTP (SSH), AS2, and CFI
- Provides fast integration – browser-based technology gets you and your business partners up and running quickly
- Maximizes performance over long distances and with very large files using RocketStream acceleration technology

Release 7.2.6 contains enhancements that expand MFT Internet Server's functionality and includes fixes to issues from the previous version of MFT Internet Server. MFT Internet Server continues to stay ahead of the competition by utilizing the most advanced file transfer technology.

## Topics

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- *Related Documentation*
- *Connecting with TIBCO Resources*

## Related Documentation

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This section lists documentation you may find useful.

### TIBCO MFT Internet Server Documentation

The following documents form the TIBCO MFT Internet Server documentation which can be viewed and downloaded from <https://docs.tibco.com/products/tibco-managed-file-transfer-internet-server-7-2-6> :

- *TIBCO MFT Internet Server Installation Guide* Read this manual for instructions on site preparation and installation.
- *TIBCO MFT Internet Server User Guide* Read this manual to learn more about the web pages and configuring MFT Internet Server.
- *TIBCO MFT Internet Server Quick Start Guide* Read this manual to view the most common setup configurations once you have installed the product and to read step-by-step instructions to setup common transactions.
- *TIBCO MFT Internet Server Command Line Utilities Guide* Read this manual for instructions on how to install, and conduct administrative operations and Internet Server transactions through the command prompt on Windows or UNIX platform.
- *TIBCO MFT Internet Server Desktop Client User Guide* Read this manual for instructions on installing and using the .NET Desktop Client to conduct file transfers and more.
- *TIBCO MFT Transfer Clients User Guide* Read this manual to learn how to use the various end user MFT Internet Server Browser clients available to transfer files.

## Connecting with TIBCO Resources

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### How to Join TIBCOmmunity

TIBCOmmunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOmmunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

### How to Access All TIBCO Documentation

After you join TIBCOmmunity, you can access the documentation for all supported product versions here:

<http://docs.tibco.com>

### How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.

# New Features

This section lists features added since the last release of this product.

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## Release 7.2.6

### **Support for PORT Checking and PASV Checking for FTP Servers**

In this release, you can define whether to perform PORT checking and PASV checking for FTP servers.

### **Support for PORT and EPRT Mode in FTP Server Configurations**

In this release, you can define whether incoming FTP requests will support PORT or EPRT mode.

## Release 7.2.5

### **Upgraded Tomcat to v7.0.64**

### **Adds web.xml SSHKeyExchange parameter to allow SSH key exchange to be configured:**

```
<context-param>  
<param-name>SSHKeyExchange</param-name>  
<param-value></param-value>  
</context-param>
```

When the MFT SSH server is started, it displays all supported key exchange algorithms. By default, the "diffie-hellman-group1-sha1" is removed from key exchange due to LogJam

vulnerability, which may result in some older clients not working. Add all SSH key exchange algorithms that you want supported; these algorithms must be delimited by commas.

## Release 7.2.4

There are no new features in this release.

## Release 7.2.3

Upgraded Tomcat to v7.0.54.

## Release 7.2.2

Added addition Selection Criteria fields available on the Manage Users web page.

Upgraded Tomcat to v7.0.52.

Upgraded Struts from v1.1.0 to v1.3.10

## Release 7.2.1

Two new file transfer clients were added in this release.

### **Browser Transfer Client:**

This client will allow the user to upload and download files using the file transfer capabilities of the Browser. Java is not required. This client supports Internet Explorer, Firefox, Chrome and Safari.

Use the following URL to access this new client:

<https://your.mftis.server/cfcc/control?view=view/filetransfer/browser/start.jsp>

Note: there is also a shortcut that can be used:

<https://your.mftis.server/browser>

## **Java Transfer Client:**

This client performs JAVA based file transfers. Java is required. This client supports Internet Explorer, Firefox, Chrome and Safari.

Use the following URL to access this new client:

<https://your.mftis.server/cfcc/control?view=view/filetransfer/java/start.jsp>

Note: there is also a shortcut that can be used:

<https://your.mftis.server/java>

## Changes in Functionality

This section lists changes in functionality since the last release of this product.

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### Release 7.2.6

The following are changes in functionality in version 7.2.6 of TIBCO Managed File Transfer (MFT) Command Center.

#### Changes in FTP Server Definitions

The following fields are added on the Add Server page and the Update Server page:

- **PORT Checking:** defines whether checking will be done on the IP address of the incoming data connection.
- **PASV Checking:** defines whether checking will be done on the IP address defined in the response to the PASV and EPSV commands.

#### Changes in FTP Server Configurations

The following fields are added on the Configure FTP Server page which can be accessed by clicking **Administration > Transfer Servers > FTP Server > Configure FTP Server**:

- **PORT/EPRT Allowed in Incoming Request:** defines whether incoming FTP requests will support PORT or EPRT mode.
- **PORT Checking:** defines whether checking will be done on the IP address defined in the client PORT and EPRT commands.
- **PASV Checking:** defines whether checking will be done on the IP address of the incoming data connection.

### Release 7.2.5

- The admin password is now set to "changeit" at installation. This is for new installs only. In addition, passwords for all of the other pre-defined users MUST be changed by the admin before they can be used.
- Certificates are no longer requested when the Global FTP Settings option "FTP Client Authentication Method" is set to "Password Only".
- Below is a list of changes to the MFT JAVA Applet due to new JAVA JRE security restrictions:

The MFT applet jar files are now signed by a TIBCO certificate and do not need to be signed by a customer certificate. Customers can still sign the MFT applet jar files with their own certificate, if they need to do so.

When using JAVA 1.7 Update 51, the MFT Thin and Java clients will work with JAVA Security set to High or Very High. When using a JAVA 1.7 version prior to Update 51, these clients may not work unless JAVA Security is set to medium.

## **Release 7.2.4**

There are no changes in functionality in this release.

## **Release 7.2.3**

FTP Pooling has been added to the Server definition settings under the FTP Options.

Added the ability to set an SSH Private Key per transfer definition.

## **Release 7.2.2**

Adjusted Socket buffer sizes to improve the speed of uploads/downloads transactions.

## **Release 7.2.1**

There are no changes in functionality in this release.

# Deprecated and Removed Features

This section describes deprecated features (if any), and lists features, if relevant, that may be useful alternatives to the deprecated features. Any use of a deprecated feature should be discontinued as it may be removed in a future release. You should avoid becoming dependent on deprecated features and become familiar with the suggested alternative features.

This section also lists features that are removed (if any).

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## Release 7.2.6

### Deprecated Features

No features have been deprecated in this release.

### Removed Features

No features are removed in this release.

## Release 7.2.5

### Deprecated Features

No features have been deprecated in this release.

### Removed Features

No features are removed in this release.

## Release 7.2.4

### Deprecated Features

No features are deprecated in this release.

### Removed Features

No features are removed in this release.

## **Release 7.2.3**

### **Deprecated Features**

No features are deprecated in this release.

### **Removed Features**

No features are removed in this release.

## **Release 7.2.2**

### **Deprecated Features**

No features are deprecated in this release.

### **Removed Features**

No features are removed in this release.

## **Release 7.2.1**

### **Deprecated Features**

The Thin transfer Client is being deprecated and will be removed in a future release. The new Browser and/or Java transfer clients added in this release should be used as alternatives to the thin client.

### **Removed Features**

No features are removed in this release.

# Compatibility and Migration

This section describes any compatibility or migration issues in this release.

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## Release 7.2.6

- Customers using Web Single Sign On solutions with MFT Internet Server version 7.1.1 or earlier should contact Technical Support prior to upgrading to MFT Internet Server 7.2.6.

## Hotfixes

This section lists the previous hotfixes released that have been included in this version of the product.

Hot Fix Number
FX02024
Problem Descriptions resolved within Hot Fix
MFCC-3109 Import of AS2 key on IBM java can return "DN not found" error.
MFCC-3101 Support for TLS 1.2 for MFT AS2 client.
MFCC-3082 A zero-byte user trace gets created as soon as a user login even when tracing is no enabled.

Hot Fix Number
FX02016
Problem Descriptions resolved within Hot Fix
MFCC-3032 Improve the steps involved in the password reset process to prohibit any steps from being bypassed or from having multiple reset requests being processed
MFCC-2959 Resolves a memory leak when tracing is turned on and executing a directory list request to a Platform Server.
MFCC-2774 When a Transfer definition is assigned to a group with a single quote in the group name, the Virtual Alias is not displayed
MFCC-2597 When using wildcard ????? in a transfer definition, directory list from Platform Server shows no files
MFCC-2461 FTP/Platform/SSH/AS2 Server Status/Start Server/Stop Server does not work to a Remote Server
MFCC-2443 Resolves a problem with a transfer definition when there are multiple levels in the virtual alias and transfer direction is "download" or "both" and Allow Client Transfer Mode is set to "Yes", client can't navigate the directory tree.

MFCC-2435 Resolves a problem where the browser client will display error "Your session has expired" if the download transfer definitions have multiple levels in the virtual alias.

### Hot Fix Number

FX02014

### Problem Descriptions resolved within Hot Fix

MFCC-2450 Resolves an intermittent network error reported on PS for z/OS when sending a file to Internet Server. The file is transferred successfully and Internet Server reports success.

MFCC-2438 Add Information to the Diagnostics page to report on tracing details.

MFCC-2425 Resolves error "Failed to open virtual directory" received using the SecureBridge SFTP client when clicking on a virtual alias.

MFCC-2413 Resolves an intermittent problem when Platform Server initiates a file download from a remote SSH or FTP server and the connection to the remote server is interrupted during the transfer. The Internet Server audit Transfer Status Message reports Failed to Close Proxy.; Transfer Completed Successfully. The Platform Server reports the transfer as success and does not delete the partial file.

MFCC-2407 Resolves a problem where some clients may display an incorrect time stamp date of files listed. When the file is created or modified on the current day, the year can be displayed as the prior year.

MFCC-2394 Resolves a problem where alerts can be delayed when high volumes of Platform Server audit records are being collected. Collector now collects all audit records on each collection interval.

MFCC-2367 Resolves an intermittent logon authentication failure for LDAP users.

MFCC-2364 Resolves a problem where SFTP transfer does not work when Virtual Alias contains multiple "/". The changes have the following assumptions. When multiple directories are contained in a virtual alias, the admin must ensure that the directories in one Virtual Alias are not a parent or child of another Virtual Alias for that user. Additionally, while a single user can have the same Virtual Alias for an Upload and Download definition, a single user cannot have multiple Upload or Download definitions for the same Virtual Alias.

1. These virtual aliases are supported for a single user since the Virtual aliases do not have a parent/child relationship:

transfer direction	alias	allowed?
-----	-----	-----
upload	level1/level2	yes
download	level1/level2	yes
upload or download	level1/xyz	yes

2. multi-level alias for a single user cannot have parent-child relationship. e.g:		
transfer direction	alias	allowed?
-----	----	-----
upload or download	level1/	yes
upload or download	level1/level2	no
3. multi-level alias for a single user cannot be duplicates		
transfer direction	alias	allowed?
-----	----	-----
upload	level1/level2	yes
download	level1/level2	yes
upload or download	level1/level2	no

### Hot Fix Number

FX02013

### Problem Descriptions resolved within Hot Fix

MFCC-2387 Resolves a problem where transfer transaction IDs are duplicated when the transaction ID reaches ZZ999 in a single day.

MFCC-2383 Click on "Return Back to Audit Search" From details of a specific transfer and it should take you back to the previous search screen

MFCC-2382 Resolves a problem with Audit search when clicking on "List next 100>" and get message "Nothing found to display"

MFCC-2364 SSH does not work when multiple slashes are defied in a Virtual Aliases

### Hot Fix Number

FX02005

### Problem Descriptions resolved within Hot Fix

MFCC-2359 FTP service stops responding in a timely manner in network traffic

MFCC-2356 Add web.xml parameter to bypass LDAP SYNC at login time.

```
<context-param>
  <param-name>SyncLdapAtLogon</param-name>
  <param-value>true</param-value>
</context-param>
```

Valid Values:

true: Sync LDAP user when the user logs on

false: Do not sync LDAP user when the user logs on

Default Value: true

MFCC-2304 Resolves a problem downloading a zero byte file from the mainframe using FTP, SFTP or HTTPS. Client reports success, PSZ reports network error and IS reports both success and failure.
MFCC-2259 Changed Command Center maximum Platform Server transfer status check interval to 1 minute
<p>MFCC-2179 Would like the MFTCC "search audits" to default to no audits listed</p> <pre>&lt;context-param&gt;   &lt;param-name&gt;SearchAuditAtPageEntry&lt;/param-name&gt;   &lt;param-value&gt;&gt;true&lt;/param-value&gt; &lt;/context-param&gt; Valid Values:   true: Search Audit tables when user enters the Search Audits page   false: Do not search Audit tables when user enters the Search Audits page Default Value: true</pre>
MFCC-2144 Resolves Internet Server Error: Key attribute: [sAMAccountName] does not exist for an LDAP Object in search results even if the object exists in LDAP
MFCC-2112 Resolves a problem where LDAP Error message is missing user DN
MFCC-1292 Adds support for Korean characters in the file name for platform transfers initiated by Command Center

## Hot Fix Number

FX02003

## Problem Descriptions resolved within Hot Fix

MFCC-2035 Resolves a problem with Internet Server downloads when the Virtual Alias has the characters "-T" in it.

MFCC-2025 Resolves a problem where the JMS server password is displayed in cleartext in trace file.

MFCC-2024 Resolves a compatibility issue with Business Works initiated Internet Transfers when Internet Server and Command Center are running at different hotfix or release levels.

Note: If you are using BW to initiate Internet Transfers, this fix MUST be applied on all MFT 7.2.4 Internet Servers and Command Centers.

Note: If you are using BW to initiate Internet Transfers and you are running in a mixed mode environment with 7.2.4 and 7.3, then this hotfix must be applied to all 7.2.4 instances.

MFCC-2021 Resolves a problem where no users are able to login When using classes12.jar and ocrs12.jar Oracle jdbc drivers.
MFCC-2011 Resolves a problem where installing hotfix FX01999 fails with Error: 'PRIMARY_KEY_SQL_SERVER' is not a constraint. java.sql.SQLException: 'PRIMARY_KEY_SQL_SERVER' is not a constraint.
MFCC-2006 Generate 4096 bit private keys for SSH servers.
MFCC-1957 Resolves a problem where the responder port adds an empty space when trying to update a Platform transfer.
MFCC-1950 Resolves a problem where users do not get added to the group during the creation of the group.
MFCC-1864 Change the Login LDAP Authentication to search the Authenticators in alphabetical order.
MFCC-1863 Resolves a problem where OnDemandTransferRight could not be assigned by a user with UpdateTransferUserRight.
MFCC-1668 Resolves a problem where importing a DSA SSH System key causes a null pointer error.
MFCC-1011 Add confirmation to the Sync all users function.
MFCC-721 Resolves a problem where the JMS Topic Subscriber resource fails when listening for an alert

### Hot Fix Number

FX01999

### Problem Descriptions resolved within Hot Fix

MFCC-1969 Updated the SSH engine to resolve a possible Logjam CVE.

Note: The solution for the Logjam CVE for HTTPS and FTPS in MFT is to perform the following manual steps:

1. Upgrade to JAVA 1.8
2. Add the following JAVA parameter: "-Djdk.tls.ephemeralDHKeySize=2048" to the setenv.sh, setenv.bat or service.bat depending on how the server is started. This parameter only works on JAVA 1.8
3. Restrict the ciphers used in the following locations:

- <MFT install>/server/conf/server.xml                      update the HTTPS connector to add the ciphers below

- <MFT install>/server/webapps/cfcc/WEB-INF/web.xml            update the FTPCiphers parameter to add the ciphers below

ciphers:"TLS\_ECDHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256,TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384,TLS\_ECDHE\_ECDSA\_WITH\_AES\_128\_GCM\_SHA256,TLS\_ECDHE\_ECDSA\_WITH\_AES\_256\_GCM\_SHA384,TLS\_RSA\_WITH\_AES\_128\_CBC\_SHA,TLS\_RSA\_WITH\_AES\_128\_CBC\_SHA256,TLS\_RSA\_WITH\_AES\_256\_CBC\_SHA,TLS\_RSA\_WITH\_AES\_256\_CBC\_SHA256,TLS\_DHE\_RSA\_WITH\_AES\_128\_CBC\_SHA,TLS\_DHE\_RSA\_WITH\_AES\_128\_CBC\_SHA256,TLS\_DHE\_RSA\_WITH\_AES\_128\_GCM\_SHA256,TLS\_DHE\_RSA\_WITH\_AES\_256\_CBC\_SHA,TLS\_DHE\_RSA\_WITH\_AES\_256\_CBC\_SHA256,TLS\_DHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384,TLS\_RSA\_WITH\_AES\_128\_GCM\_SHA256,TLS\_RSA\_WITH\_AES\_256\_GCM\_SHA384"

MFCC-1922 Resolves a problem with directory downloads from Platform Server for z/OS using an FTP client. Downloads fail with system error: "PGTM7238E Activity Rxxxxxxx Data set not found".

MFCC-1854 Resolves the exception "Cannot find the declaration of element 'AuditResponse'" written to the catalina log of MFTCC when Command Center writes an AuditResponse record to JMS.

### Hot Fix Number

FX01992

### Problem Descriptions resolved within Hot Fix

MFCC-1851 Resolves a problem where exception errors are reported in the trace file for PPA when no PPA information is defined.

MFCC-1811 Resolves a problem when MFT PS initiates a request to MFT IS and MFT IS receives a connection error from an FTP or SFTP Server. MFT IS previously reported a permanent error and now reports a temporary error.

MFCC-1786 Resolves a problem where filenames with special characters are not returned when using the Windows FTP commands "dir \*" or "ls \*".

MFCC-1781 Resolves a problem when MFT PS sends a file to MFT IS and data type of ASCII is specified. The file was incorrectly translated from EBCDIC to ASCII. This

issue was introduced in MFT IS v7.2 hotfix FX01892. Note, the server file name in the transfer definition must be in the format HLQ.\* or HLQ1.HLQ2.\*

MFCC-1758 Resolves a problem where the same files are received for each MFT PS DNI Scan when the request goes through MFT IS to a z/OS FTP server.

MFCC-1388 Resolves a problem when adding a transfer definition from the CLI and writing the output to an XML template file. If the transfer definition has no PPA, the PPA flag is incorrectly set in the template. Also resolves an issue if the "ExpirationDate" parameter is not set, the AddTransfer would fail. Now, if the "ExpirationDate" parameter is not set, it will assume no expiration.

### Hot Fix Number

FX01991

### Problem Descriptions resolved within Hot Fix

MFCC-1724 Resolves the following problem when installing FX01980 on MFT 7.2.4: "Error: ORA-00955: name is already used by an existing object".

MFCC-1706 Resolves an out of memory error when displaying Server Status if there are many(>1000) servers.

MFCC-1680 Resolves a problem with the hotfix FX01980 upgrade to Tomcat 7.0.55.

MFCC-764 Resolves a problem where downloading a zero byte file from an FTPS (FTP over SSL) client fails. Internet Server reports the download as successful with an Audit generated.

### Hot Fix Number

FX01980

### Problem Descriptions resolved within Hot Fix

MFCC-1680 Upgraded Tomcat to v7.0.55.

MFCC-1673 Resolves a problem when a user with "UpdatePublicKey" right tries to delete a public key. The delete works but UI shows error while updating cache on other machine.

MFCC-1628 Resolves a problem where SFTP and MFT desktop clients display the current year for files and folders last modified in the prior year when connecting through MFT IS to a backend Linux FTP server.

MFCC-1618 Changed the default behavior of login.jsp to off based on html5 for added security.
MFCC-1585 Resolves a problem where a directory listing from an FTP client to the Internet Server returns the whole path and filename instead of just the filename. The problem only occurred when listing the entire filename and did not occur when using a wildcard in the filename.
MFCC-1549 Resolves a problem where FTP Size command to MFTIS to PS with CW01978 and above fails when the filename has a special character.
MFCC-1441 Resolves a problem where the current date is returned instead of the last modified date on a directory listing from a backend Platform Server for z/OS.
MFCC-1436 Resolves a failure when attempting to download from a directory defined as a symbolic link.
MFCC-1430 Resolves a problem with the addTransfer API where the checkpoint restart flag is not defaulted correctly when it is not specified.
MFCC-1398 Resolves a problem where a user that does not have AdministratorRight cannot retrieve a Public SSH key from a remote SSH Server.
MFCC-1373 Resolves a problem where a delegated administrator cannot retrieve a Public SSH key from a server assigned to his department.
MFCC-1343 Resolves a problem where AUDIT record does not display data field for a successful PPA action when more than one PPA is defined.
MFCC-1341 Resolves a problem where upgrade stops at Step 6 "Allocating DBSetup object".
MFCC-1335 Resolves a problem where node port numbers get prefixed with a zero on the mainframe.
MFCC-1333 Resolves a problem where expired Ids still work when Platform Server initiates a transfer to Internet Server.
MFCC-1129 Resolves a problem where a user assigned "ViewPGPKeyRight" has the ability to go into the Manage PGP Public Key screen and replace the key.

### Hot Fix Number

FX01975

Problem Descriptions resolved within Hot Fix

MFCC-1348 Resolves a problem where MFT PS client DIR command caused incorrect trace information to be written to catalina.out.
MFCC-1345 Resolves a problem when Spanish characters are included in source file name, the target file name gets corrupted from IS to PS.
MFCC-1340 Resolves a problem where Alert Audit was incorrectly written to catalina.out when only Internet server is installed.
MFCC-1338 Resolves a problem where non-LDAP users with a "-" character in the user name caused an exception in the catalina.out file because the user was being synchronized.
MFCC-1337 Resolves a null pointer exception when no email server is configured.
MFCC-1336 Resolves a problem where transfers using PGP decryption fail because the file is not PGP encrypted and the Audit record reports success.
MFCC-1321 Resolves a problem When using the JMS xml to launch a PS to PS transfer that includes a PPA to run in the background, all the data before the ampersand will be dropped.
MFCC-916 Resolves a problem where performing a GET on a directory containing 100 1MB files via SFTP causes the LINUX SFTP client to time out.
MFCC-906 Resolves a problem where a PS download to IS from a SSH server fails and a successful email is sent.

### Hot Fix Number

FX01970

### Problem Descriptions resolved within Hot Fix

MFCC-1172 Resolves a problem where SQL call may not close the cursor, resulting in "maximum open cursors exceeded" error.

MFCC-1268 Resolves a problem where the %TRN token was ignored on a PPA using Fusutil to rename a file to include the %TRN token.

MFCC-1258 Resolves Fin\_WAIT2 state on load balancer probe for MFT-IS Platform Server Responder.

MFCC-1257 Update SHTOOLS server to 1.4.48 to resolve hang condition.

MFCC-1255 Resolves a problem where MFT to zOS FTP server download does not work.

Note, the server file name in the transfer definition must be in the format HLQ.\* or HLQ1.HLQ2.\*

MFCC-1239 Update to allow //! in the server file name.

MFCC-1156 Resolves a problem where users with view rights were able to do administrative tasks, such as manage DNI transfers. The user now must have the AdministratorRight or UpdateServerRight to perform administrator functions.

## Hot Fix Number

FX01951

## Problem Descriptions resolved within Hot Fix

MFCC-1169 Resolves a problem where z/OS ftp client connecting to Internet Server using TLS. See Note above regarding Global FTP certificate settings.

MFCC-1166 Resolves a problem with Soap call backward compatibility on the user class.

MFCC-1159 Resolves a problem where MFT was not using LDAP referrals. There is a new web.xml parameter called LDAPReferral. Set the value to true to turn on LDAP referrals. The default value is false.

```
<context-param>
  <param-name>LDAPReferral</param-name>
  <param-value>true</param-value>
</context-param>
```

MFCC-1133 Resolves a problem with CF Server protocol that detects retryable protocol errors from Partner. Also fixed CF Server protocol to detect network errors from Partner. If Platform Error is retryable, notify Platform Server initiator that request is retryable.

MFCC-1132 Resolves a problem where the Resubmit Platform transfer from CC has invalid expiration date.

MFCC-1131 Resolves a problem where the Resubmit Platform transfer from CC does not retain the "Responder Host Type".

MFCC-1107 Resolves a problem with Unicode characters in audit records collected from Platform Server

MFCC-1094 Resolves a problem where Manage Users page selection criteria allowed a search for both the "Password Never Expires" and "Password Expired" at the same time.

MFCC-1069 Improves exception handling of manual LDAP "Sync All Users". When an error is encountered the sync will continue to the next user.

MFCC-1068 Added configurable TCP Sockets Send and Receive Buffer Size parameter to resolve performance issues. The buffer size will be configurable in the web.xml. If not specified, the default is 128k

```
<context-param>
  <param-name>TCPBufSize</param-name>
  <param-value>128000</param-value>
</context-param>
```

TCPBufSize: allows the user to override the TCP Send and Receive window buffer sizes. Generally larger buffer sizes perform better on high speed, high latency lines, but will consume more memory. The default, if not defined, is 131072.

MFCC-1056 Resolves a problem when transferring files with Unicode file names to Internet Server \*LOCAL or remote Windows Platform Server. There are 2 parameters in web.xml that can be updated to use UTF-8 conversion table. By default the parameters are empty; when empty, conversion table ISO-8859-1 will be used.

```
<context-param>
  <param-name>FTPFileNameEncoding</param-name>
  <!-- use UTF-8 if default (ISO-8859-1) not working -->
  <param-value/>
</context-param>
<context-param>
  <param-name>SSHFileNameEncoding</param-name>
  <!-- use UTF-8 if default (ISO-8859-1) not working -->
  <param-value/>
</context-param>
```

Note, when using UTF-8 you must force UTF-8 on the client that is connecting to Internet Server.

FTPFileNameEncoding: Defines the conversion table used to convert FTP files names. This parameter is used when FTP names have double byte characters. The default encoding table is ISO-8859-1. You can specify UTF-8 to translate data using the UTF-8 conversion table. This parameter has no effect on the data in the files.

SSHFileNameEncoding: Defines the conversion table used to convert SSH files names. This parameter is used when FTP names have double byte characters. The default encoding table is ISO-8859-1. You can specify UTF-8 to translate data using the UTF-8 conversion table. This parameter has no effect on the data in the files.
MFCC-1047 Resolves a problem where an SFTP client can hang when a PPA is defined in the transfer definition.
MFCC-1044 Resolves a problem where the %TIME token was resolving to 12-hour format instead of 24-hour format.
MFCC-1038 Resolves a problem where the #(LocalUserldWOAuth) token is not resolving correctly when user ID contains a hyphen.
MFCC-1003 Resolves a problem when using Selection Criteria in the Manage Server web page to find a server the delete button will be enabled.
MFCC-974 Resolves a problem where the transferStartTime and transferEndTime field table listing columns were not sorted correctly on the Search Audit screen
MFCC-951 Resolves a problem where a collected audit record from PS for z/OS does not display ALLOC_TYPE when ALLOC_TYPE=M. The following Internet Server Error was written to stderr: Helper.convertAuditFTValueForDB -- Unknown OS390AllocType value, set to null: MGB
MFCC-890 Resolves a problem where the Search Audit Filter when used from Search Audits webpage did not specify Audit Type.
MFCC-864 Resolves a problem where the Global SSH/FTP/HTTPS "Client Authentication Method" under "System Configuration" was not working correctly when using an MS SQL database.
MFCC-816 Resolves a problem MFTPS z/OS > MFTCC v7.2 > MFTPS z/OS transfer resubmit function from audit record error, "Post Processing Action" not been generated correctly. This fix will require a corresponding zOS fix that has not been released yet.

### Hot Fix Number

FX01935

Problem Descriptions resolved within Hot Fix

MFCC-1031 Resolves a problem searching on file names where searches did not return a match on the search string when using MSSQL, Oracle or DB2 databases and the search string includes a \ (backslash).

MFCC-1008 Resolves a problem where an LDAP "Sync All Users" can fail with Error: Synchronization failed. An exception has occurred.

### Hot Fix Number

FX01932

### Problem Descriptions resolved within Hot Fix

MFCC-1016 Added additional LDAP tracing and made LDAP Sync tracing work with User trace turned on.

MFCC-1015 Resolves a problem when a Server is added through Admin Command Line Interface. If the "Clear Command Channel" field was not provided on the AddServer action, the Clear Command Channel field was added with a null value which caused a null pointer exception when executing a transfer to the Internet Server with the transfer definition pointing to the FTP server added by the Command line.

MFCC-1012 Resolves a problem with the LDAP authentication when connecting to an Active Directory using SSL when TLS is required.

MFCC-994 Resolves a problem when collecting audit records from a UNIX Platform Server with a hotfix installed. The version number passed too many characters which caused an error to be written to the Catalina.out: "Internet Server Error: Helper.truncateString – String value is truncated."

MFCC-990 Resolves a problem with the Java client on Mac OS using Safari. If the user clicked on upload/download, only root folder was shown and the subfolders could not be accessed.

Note, the Safari browser must run in unsafe mode. Navigate to Safari->preferences->security and click on "Manage website settings". Change the setting to "Run in Unsafe mode".

### Hot Fix Number

FX01929

### Problem Descriptions resolved within Hot Fix

MFCC-959 Resolves a problem with #(Date) and #(Time) tokens in the server file name when using checkpoint restart if a transfer is interrupted and then restarted. After the transfer completed, the server file name was correct, but the audit and alerts were incorrectly displaying the server file name with the updated date and time of when the transfer was restarted.
MFCC-958 Resolves a problem where the file size was displayed as -1 when uploading large files with the HTML mode Internet Transfer Client.
MFCC-956 Resolves a problem with the HTML mode Internet Transfer Client where clicking the upload button again after the transfer started would restart the transfer.
MFCC-950 Updates the Internet Transfer Client Help to include the Thin, Java and HTML mode browser clients.
MFCC-949 Resolves missing permissions and Codebase manifest attributes warnings when using the Thin or Java Internet Transfer Clients and running JRE 1.7 update 45.
MFCC-948 Resolves a problem when using Chrome browser where the HTML Mode Internet Transfer Client incorrectly prompted that Java needs your permission to run.
MFCC-942 Resolves a problem with Java Mode Internet Transfer Client downloading files when the transfer definition is not a directory transfer and the server file name is the path including the file name.
MFCC-935 Resolves a problem where clicking the "Refresh" button in the HTML or Java mode Internet Transfer Clients did not pick up changes made to the transfer definition or global changes after logging into the clients.
MFCC-931 Fixes a spelling error in a Command Center message when no Internet Server is installed and you navigate to Administration > Transfer Servers > FTP Server > Configure FTP Server. The error now correctly reads "No Internet Server instances installed."
MFCC-871 Resolves a problem when using IE8 where the HTML mode Internet Transfer Client "Cancel" button was not working on uploads after a transfer was started.

### Hot Fix Number

FX01927

Problem Descriptions resolved within Hot Fix

MFCC-932 Resolves a problem when using the MFT Java client to upload files to an MFT Server configured with SSO. Clicking on the transfer upload or download buttons returned an error "Your session has expired. Please click refresh button to login again." If you clicked the refresh button then the same error was displayed.

MFCC-892 Resolves a problem where alerts were not being processed when multiple wildcards were defined in the alert trigger criteria. The problem was introduced in FX01902 which addressed an issue with special characters in the alert trigger criteria. To use multiple wildcards the user must enter the data in this format:

<.\*abc.\*>. When data is entered between brackets < and >, the data is treated as a JAVA regex (regular Expression). Note that the rules for JAVA regex are different from standard UNIX regex.

In this example an alert will be triggered if the string "abc" appears anywhere in the field.

We will perform a Java regex compare on the data inside <>. This applies to the following fields:

- : Platform server Node Name
- : Client File Name
- : Server File name
- : Transfer User Id
- : Process name
- : Transfer Description

If the data is not enclosed within <>, Java regex checking will not be performed; the standard checking will be performed.

MFCC-888 Resolves a problem when attempting to view the detailed audit record from the Platform Server Manual Poll. Clicking on the transaction ID resulted in the error: <Transaction ID> is an invalid Local Transaction Id.

MFCC-850 Resolves a problem with the Java client. Message "Error: Session ID has expired" was displayed when the session timed out due to inactivity. You are now brought to the logon page when the session times out.

MFCC-792 Resolves an SFTP issue when a key exchange is initiated. There was a small window where it may have been possible for the client to send a message that was not allowed during key exchange. The following exceptions may result:

Exception: com.maverick.ssh.SshException: Protocol error: expected packet type 30, got 94 [Unknown cause]

Exception: com.maverick.sftp.SftpStatusException: Invalid file handle.: The handle is not valid!

## Closed Issues

The table in this section lists issues that were closed in the named releases.

Closed in Release	Defect #	Summary
7.2.6	MFCC-3140	Limits the number of inactive PASV and PORT server connections per control connection
	MFCC-3139	Adds web.xml parameter: AllowedReferersAdminJSP
	MFCC-3138	Adds HttpParalInputFilter filter to the web.xml
	MFCC-3114	Adds PORT and PASV checking parameters to the FTP Server definition and to the FTP Service
	MFCC-3113	Adds the Server File Name to the Transfer Client "History" display
	MFCC-3112	Resolves the problem on the Audit Detail page, when an exception occurs while trying to read the detail record when there are non-displayable characters in the file name
	MFCC-3111	Signs Applets with new TIBCO Applet Certificate
	MFCC-3107	Adds directory list encoding to the Platform Server Responder code
	MFCC-3095	Resolves errors caused in communicating to other servers, when you update the System Configuration Cached Password,
	MFCC-3076	BW 5 FTP client only supports AUTH SSL which is not supported by MFT IS
7.2.5	MFCC-2220	Resolves a problem where during an LDAP sync, the user phone number gets overwritten with the company name.
7.2.5	MFCC-2217	Resolves a problem where if one destination SSH server is down, connections hang when connecting to other destination SSH servers.

Closed in Release	Defect #	Summary
7.2.5	MFCC-2216	<p>Adds web.xml SSHKeyExchange parameter to allow SSH key exchange to be configured:</p> <pre>&lt;context-param&gt; &lt;param-name&gt;SSHKeyExchange&lt;/param-name&gt; &lt;param-value&gt;&lt;/param-value&gt; &lt;/context-param&gt;</pre> <p>When the MFT SSH server is started, it displays all supported key exchange algorithms. By default, the "diffie-hellman-group1-sha1" is removed from key exchange due to LogJam vulnerability, which may result in some older clients not working. Add all SSH key exchange algorithms that you want supported; these algorithms must be delimited by commas.</p>
7.2.5	MFCC-2171	<p>Resolves a problem where success and failure e-mail notifications are not being sent. The following error is displayed in the catalina.log:</p> <pre>Exception sending email: java.lang.SecurityException: Access to default session denied</pre>
7.2.5	MFCC-2146	Resolves a memory leak where exceptions are received when deleting Audit records.
7.2.4	MFCC-1324	Resolved an intermittent issue when the MFT SSH client connections to a remote SSH server were not closed.
7.2.4	MFCC-1290	Resolved Database Connection Leaks.
7.2.4	MFCC-1296	Resolved the need to select a Key to be used when a remote server is configured as FTP Security type is Explicit or Implicit.
7.2.4	MFCC-1287	Setting the CompressType parameter would fail when enabled in the AddServer Command Line Interface or the AddServer.xml.
7.2.4	MFCC-1281	SOAP API failed checking for a Internet Server license key instead of a valid Command Center license key.
7.2.4	MFCC-1272	Resolved Exception: java.sql.SQLException: ORA-01000: maximum open cursors exceeded
7.2.4	MFCC-1268	Support for the %TRN token in a PPA was added for use with *LOCAL/SSH/FTP protocols.
7.2.4	MFCC-1266	Browser Client would loop when a backslash was used in the Virtual Alias. Note: A backslash in the Virtual Alias field is not supported.

Closed in Release	Defect #	Summary
7.2.4	MFCC-1255	Resolved a problem where files were not displayed when the remote server was a z/OS FTP server.
7.2.4	MFCC-1239	Resolved a problem when double forward slashes were used at the beginning of the path statement in the Server File Name field.
7.2.4	MFCC-1189	Added the InitiatorTransactionId to the JMS Notification message Message Header data.
7.2.4	MFCC-1156	Resolved an issue where a user was able to Manage DNI through MFT Command Center without the proper rights assigned.
7.2.4	MFCC-1013	Platform Server Audits that were collected were not being displayed on the Search Audits web page.
7.2.4	MFCC-926	Resolved a problem checking permissions on the parent directory of the server file name.
7.2.3	MFCC-1232	MFTIS going to MFTIS using CFI Protocol fails due to most recent encoding changes.
7.2.3	MFCC-1226	Added a Tomcat filter to the web.xml
7.2.3	MFCC-1219	Allow backward compatibility of APIs when new fields are added
7.2.3	MFCC-1211	Anonymous users login failing.
7.2.3	MFCC-1209	Delete of a file that contained spaces would fail when the server was *LOCAL.
7.2.3	MFCC-1192	MFT Notification messages contain invalid characters. Schema location.
7.2.3	MFCC-1175	PPA to rename a file on a remote FTP server fails when the file contains spaces.
7.2.3	MFCC-1143	FTP Connection cannot download multiple files using only one connection port from partner. (Added FTP Pooling to Server definition)
7.2.3	MFCC-1024	Lockout Duration for the value of 0 was not functioning as designed.
7.2.3	MFCC-1000	MFT does not allow users to have Private SSH keys to be used for SSH Server authentication. (Added to the Transfer definition the ability to set a SSH Private Key that will override the Server SSH Private Key set.)

Closed in Release	Defect #	Summary
7.2.3	MFCC-907	The department field was not set when a Delegated Administrator added a Platform Node.
7.2.1	MFCC-794	Resolved a problem where a search done on the Add/Execute Platform Transfer web page would bring a user to the Manage Platform Transfer page.
7.2.1	MFCC-793	<p>Added two new AS2 parameters that can be specified in the MFT web.xml:</p> <pre> &lt;!-- If specified, write AS2 data to this directory before processing the data. The directory must exist beforehand. --&gt; &lt;context-param&gt;   &lt;param-name&gt;AS2TempDirectory&lt;/param-name&gt;   &lt;param-value&gt;&lt;/param-value&gt; &lt;/context-param&gt; &lt;!-- Defines the Acknowledgement: If value is deferred, acknowledge only after processing all data; otherwise, acknowledge after receiving the data --&gt; &lt;context-param&gt;   &lt;param-name&gt;AS2Acknowledgement&lt;/param- name&gt;   &lt;param-value&gt;&lt;/param-value&gt; &lt;/context-param&gt; </pre> <p>AS2 has three modes of operation:</p> <ol style="list-style-type: none"> <li>1. Immediate Acknowledgement - default</li> <li>2. Deferred Acknowledgement (if Acknowledgement is set to "deferred") – acknowledge after all data is received</li> <li>3. Write data to temp directory (if AS2TempDirectory is defined) – Note, all files in the temp directory are removed at transfer termination.</li> </ol>
7.2.1	MFCC-766	Resolved an error when using filters on the Manage Transfers web page and clicking on the next 100 transfers link.
7.2.1	MFCC-765	UpdateServerRight and ViewServerRight will now allow an end user to view the Server Status web page.
7.2.1	MFCC-743	Extended Add Server Credentials Server Name field to allow up to 64 characters.

Closed in Release	Defect #	Summary
7.2.1	MFCC-730	Updated the error message to be more user friendly when an HTTPS session times out and logs the user out.
7.2.1	MFCC-669	Removed extraneous characters in the <install>\server\webapps\cfcc\WEB-INF\tlds\sift.tld file.
7.2.1	MFCC-581	Updated Desktop Client Install to check if .Net version 4.0 or higher is installed. If it is not then the correct message is displayed with a link to .Net 4.0.
7.2.0	MFCC-773	Resolves a problem where user rights may be incorrectly removed when doing an LDAP sync.
7.2.0	MFCC-755	Resolves a duplicate virtual alias exception when specifying the virtual alias for an UpdateTransfer action using the admin command line or the MFT API.
7.2.0	MFCC-747	Changes the following pages to resolve inconsistencies in the "Data Type" and Delimiter" fields : Update/Execute Platform Transfer : Add/Execute Platform Transfer
7.2.0	MFCC-739	Resolves error 'Failed to create ssh server' when restarting the SSH Server after shutting it down.
7.2.0	MFCC-738	Resolves a problem where updating the JMS configuration on the "Configure JMS Service" page corrupts the existing JMS password and causes a JMS connection error.
7.2.0	MFCC-732	Resolves a problem where the Collection Service or remote polling to an MFT PS for z/OS can fail with invalid user or password error.
7.2.0	MFCC-731	Resolves a problem when communicating to a Platform Server and an error is detected by the Platform Server. The error was incorrectly reported as "Proxy returned: Network Error[protocol violation - received gds command 0x0]". The error is now reported as a remote error and the error message was changed to better describe the cause of a problem.
7.2.0	MFCC-692	Changed LDAP Sync "fatal error" message to make it more accurate. Added additional messages when an error occurs during an LDAP Sync.
7.2.0	MFCC-691	Resolves a problem where fields in System Configuration: Transfer settings (Restrict Upload Regex...) were cleared out when updating other boxes.

Closed in Release	Defect #	Summary
7.2.0	MFCC-690	Resolves issues on the Audit Details page with "Data Type" and "Delimiter" properties. Cleaned up the terminology and ensured that the proper values were set.
7.2.0	MFCC-689	Resolves an "org.xml.sax.SAXParseException" when displaying a Platform Server audit record that contains a null (0x00) in a string. This error was caused by an invalid ASCII character returned from the Platform Server when Audit records were collected.
7.2.0	MFCC-688	Resolved a loop in the Platform Server Responder that can cause CPU to spike.
7.2.0	MFCC-686	Resolves a problem where the JMS Test button did not work when using a JMS password.
7.2.0	MFCC-673	Disabled SSH port forwarding.
7.2.0	MFCC-672	Resolves a problem where Platform Transfers could not be assigned to a department when the department name ends with a space.
7.2.0	MFCC-667	Resolves a problem with the Admin CLI (Command Line Interface) where post processing action fields were removed when using the UpdateTransferFromBank action.
7.2.0	MFCC-662	Resolves a problem where uploads to PGP encrypted servers were not updating "Recent Activity" statistics when using SHA-512 hashing algorithm.
7.2.0	MFCC-659	Resolves a problem when clicking on the "Get Alias Name" button from the "Request Internet Server Transfer" activity configuration tab in the Business Works Designer. The Virtual Aliases were not returned for users when the transfer was authorized for a group and the user was defined in a group.
7.2.0	MFCC-652	Resolves the error "You are not licensed to view this page" when attempting to view Database Reports.
7.2.0	MFCC-603	Resolves a problem with the FTP Server when the "Bind Adapter IP Address" is defined but the "External IP Address" is not defined. Code was changed to return the "Bind Adapter IP Address" for Passive mode FTP/FTPS when "External IP Address" is not defined.
7.2.0	MFCC-650	Resolves a "java.lang.NullPointerException" when trying to add Responder Profile to MFT Platform Server when the "Effective Password" is not defined.

Closed in Release	Defect #	Summary
7.2.0	MFCC-649	Tuned PGP Upload and Download transfers to use less CPU.
7.2.0	MFCC-648	Resolves a problem when receiving small files from an FTP or SSH server. If the transfer fails, the success Post Processing Actions were incorrectly executed.
7.2.0	MFCC-620	Resolves a problem where the JMS "End Notification Message Type" was the same as the "Start Notification Message Type".
7.2.0	MFCC-629	Resolves a TLS handshake error opening the data connection when using the PORT (Active) option on FTPS.
7.2.0	MFCC-627	Increased the size of the UserSearchFilter column in the Authenticators table to 1024. Note: The UserSearchFilter column is not increased for DB2.
7.2.0	MFCC-626	Resolves a problem where alert processing was not triggered if a "\$" character was used in the Alert trigger criteria.
7.2.0	MFCC-613	Resolves a problem where the AS2 Asynchronous MDN receipt is not saved when sending a file to an AS2 server.
7.2.0	MFCC-612	Improves performance when deleting a directory with a large number of files.
7.2.0	MFCC-611	Resolves error "Invalid SQL statement or JDBC escape" when trying to add a public PGP key for a new FTP server when the server name contains special characters.
7.2.0	MFCC-594	Resolves a problem where file list could not be updated at the root level when the Virtual Alias is '/.
7.2.0	MFCC-585	Resolves a problem where alert processing was not checking the Process Name associated with an Internet Transfer.
7.2.0	MFCC-584	Resolves a problem when clicking on ProcessName and UserData file tokens from the Transfer definition File Token List link. The tokens were incorrectly added to the Server File Name field as #(F##).
7.2.0	MFCC-576	Resolves some intermittent authentication errors when the user is part of an LDAP authenticator.
7.2.0	MFCC-589	Resolves a problem logging on to the Admin Console or File Transfer Client when the locale or browser language settings are non-English.
7.2.0	MFCC-590	Resolves a problem where the "Logging in. Please wait..." message always displays in English.

Closed in Release	Defect #	Summary
7.2.0	MFCC-509	The JAVA Transfer API was updated to allow the client to pass UserData and ProcessName to the Server. Set the value *CHANGE in the transfer definition Process Name and User Data fields to pass the ProcessName and/or UserData to a transfer definition using the API. Note: The value is case sensitive and must be in all uppercase. If *CHANGE is specified and the API does not override the Process Name or User Data, or if the transfer is initiated by a client other than the JAVA Transfer API, the Process Name and User Data will be a null string.
7.2.0	MFCC-511	Added tokens for UserData and ProcessName. Known Issue: When clicking on the ProcessName or UserData token from the File Token List to add it to the Server File Name field, it will incorrectly return #(FR##) to the field. To use these new tokens manually type the tokens in the field as #(ProcessName) and #(UserData).
7.2.0	MFCC-516	Resolved an issue where some user rights were not being displayed when Command Center and Internet Server were sharing a database.
7.2.0	MFCC-522	Command Center Server Status shows partially available for FTP and SFTP servers.
7.2.0	MFCC-525	When a License Key was expired; the Add License Key "ServerType" drop down box did not show Command Center as an option.
7.2.0	MFCC-536	HTTPS Thin Client cuts off first character of filenames when the Server File Name Prefix is configured.
7.2.0	MFCC-549	Unable to create Transfer download definition via admin CLI (Command Line Interface).
7.2.0	MFCC-556	Updated the SSH Transfer engine to resolve a possible high CPU issue.
7.2.0	MFCC-557	Improved the transfer speed of HTTPS Thin Client Uploads.
7.2.0	MFCC-558	Resolved a Null Pointer Exception on the HTTP Thin Client when transfers failed with certain errors.
7.2.0	MFCC-559	Resolved an issue with high CPU when many files (1000+) are in a directory and the user uses an SSH client.

Closed in Release	Defect #	Summary
7.2.0	MFCC-560	Added a new SOAP call in the File Transfer SOAP service: getAllTransferDefinitionsForUser. This SOAP call is exactly the same as the getAllFilesForUser SOAP call except that it does not return directory listings or check if a file is restartable. The definition of the new call is as follows: FileInfo[] getAllTransferDefinitionsForUser(String sessionID) throws RemoteException
7.2.0	MFCC-563	Resolved a problem with the Desktop Client where OnDemand transfers failed after applying hotfix FX01885.
7.2.0	MFCC-568	Resolved an error on some SSH Clients (including Putty) where GSSAPI authentication is allowed and the authentication fails.
7.2.0	MFCC-570	AS2 engine version upgrade.
7.2.0	MFCC-572	Resolved a problem on Command Center where some PGP and AS2 options are not displayed on the admin pages.
7.2.0	MFCC-577	Resolved a problem with the File Transfer API where the transferCompletion event was called before the file was closed.
7.2.0	MFCC-582	Updated Install script to correct a database case sensitivity issue.
7.2.0	MFCC-236	Resolved a problem where multiple audit records for the same failed Platform Transfer were being collected.
7.2.0	MFCC-443	Alert Details now displays Alert Action JMS information properly.
7.2.0	MFCC-451	Resolved a problem where a Transfer Audit Record sent to JMS did not report the correct Encryption being used.
7.2.0	MFCC-453	Replaced Alert output details sent to a JMS server to display Audit record details.
7.2.0	MFCC-455	Resolved a problem where Audit Search would yield the same results when setting AS2 MDN Status to Success\Fail\Pending.
7.2.0	MFCC-456	Resolved an issue where the last record of a file would not be written when sending to a JMS Queue when delimiters were set and the last record did not have a delimiter.
7.2.0	MFCC-462	Resolved an error when clicking on an Audit Id link in an Alert Detail.
7.2.0	MFCC-463	Resolved an issue where the Severity level was not reported when an Alert History search was executed.

Closed in Release	Defect #	Summary
7.2.0	MFCC-465	Resolved an issue where uploading large files using AS2 would fail.
7.2.0	MFCC-466	Resolved a problem uploading a zero byte file using some SSH clients. The transfer may fail; however the client reported the transfer was successful and no audit record was written.
7.2.0	MFCC-468	Resolved a problem when running install.bat to apply a hotfix. The install would fail if user admin did not exist.
7.2.0	MFCC-477	Resolved an exception when assigning a Virtual Alias in a Transfer definition that had a PGP Private Key set to use a specific key.
7.2.0	MFCC-481	Resolved a problem where no email notification would be sent out when an SSH transfer was cancelled by the client.
7.2.0	MFCC-482	Resolves a problem where an SSH client cannot create a directory at the root level when the transfer alias is '/'.
7.2.0	MFCC-483	Resolves a problem uploading a zero byte file using some SSH clients.
7.2.0	MFCC-484	Resolved a problem with FTP transfers failing when a file name contained extended ASCII characters.
7.2.0	MFCC-485	Improved the transfer speed for AS2 inbound and outbound file transfers.
7.2.0	MFCC-486	Resolved an issue where the drop down menu to choose User/Server when Adding a PGP/SSH/FTP key to the system would not be displayed when logged using Chrome or Safari browsers.
7.2.0	MFCC-487	Improved Platform Server responder error messages when performing Directory or DNI Receives integrated with MFT Command Center. Changed Internet Server's Platform Server Responder code when inquiring on files and directories and no files are available. Changed the return code to distinguish between "No Files Available" and errors attempting to get a file list.
7.2.0	MFCC-489	Resolved a problem that occurred when an SSH client requested a restart of a transfer when checkpoint restart was turned off. The restart request will now be rejected.

Closed in Release	Defect #	Summary
7.2.0	MFCC-501	Resolved a problem where Transfer definitions defined with Client Protocols Allowed="HTTPS" were not visible to the Desktop Client.

## Known Issues

This table in this section lists known issues in this release.

Issue #	Summary
MFCC-1104	<p><b>Summary</b> When using Microsoft SQL Server v2012 the database report fail to display correctly.</p> <p><b>Workaround</b> Replace jtcs driver with Microsoft SQL driver sqljdbc4.jar. See MFT Internet Server Installation Guide Appendix I for instruction on how to manually replace the driver.</p>
MFCC-1103	<p><b>Summary</b> The Java applet fails to upload when using the Java Client with Chrome 34.0.xx and Java JRE v7.51 and higher.</p> <p><b>Workaround</b> Use Internet Explorer or FireFox Browser Interface.</p>
MFCC-826	<p><b>Summary</b> When using FireFox Browser a Remote Exception is thrown when on the Add License Key and no license key is placed in the License Key field and the Add button is clicked.</p> <p><b>Workaround</b> We suggest not using the Firefox browser to Add a License Key.</p>
MFCC-825	<p><b>Summary</b> When using FireFox Browser if the license key was entered incorrectly an error message is displayed.</p> <p><b>Workaround</b> We suggest not using the Firefox browser to Add a License Key.</p>
MFCC-817	<p><b>Summary</b> The Java client is limited to 5000 download transfers. The download "File Selector" window doesn't open if user clicks on Download when there are more than 5000 download transfers.</p> <p><b>Workaround</b> None.</p>
MFCC-811	<p><b>Summary</b> When using FireFox browser for the Administrator a delete done for an OnDemand site will receive the following error "Failed to delete" however the delete will be performed.</p> <p><b>Workaround</b> None.</p>

Issue #	Summary
MFCC-801	<p><b>Summary</b> When a date or number of days fails to be defined on the Audit Delete web page and the Delete button is clicked the following error is displayed “-1 is invalid year. 0 thru 2999 are valid values.”</p> <p><b>Workaround</b> Fill in a valid date or number of days of Audit records to be deleted.</p>
MFCC-784	<p><b>Summary</b> When using the Firefox browser to configure MFT administrative functions, you may experience the following problem have been found:</p> <p style="padding-left: 40px;">On the manage pages, when you click on a check box and press the delete button, a confirmation page is displayed. Even if you press “Cancel”, the entries are still deleted.</p> <p>This occurs on any administrative page where entries can be deleted.</p> <p><b>Workaround</b> We suggest not using the Firefox browser to configure MFT Internet Server or MFT Command Center.</p>
MFCC-783	<p><b>Summary</b> When using the Firefox browser on the Audit Delete web page and a date or number of days is not defined on the Audit Delete web page and the Delete button is clicked the following error is displayed “-1 is invalid year. 0 thru 2999 are valid values.”</p> <p><b>Workaround</b> Fill in a valid date or number of days of Audit records to be deleted.</p>
MFCC-761	<p><b>Summary</b> IBM Java v7 is not supported for use as an Internet Server JDK. An installation done using IBM Java 1.7 in FIPS mode results in the following error:</p> <p style="padding-left: 40px;">Exception in thread "main" java.lang.RuntimeException: Could not create IBMSecureRandom</p> <p><b>Workaround</b> Install using IBM Java 1.6.</p>
MFCC-495	<p><b>Summary</b> When uploading a zero byte file from some SSH clients, the client may report success but the file is not written and no audit record is created.</p> <p><b>Workaround</b> Disable checkpoint restart in the transfer definition. Expand the “Additional Transfer Properties” section and under “Checkpoint Properties” click “No” for the “Checkpoint Restart” field. Click on “Update” to save the changes.</p>

Issue #	Summary
	<p><b>Summary</b> When the IBM FIPS provider is added to the “java.security” file, only secure internet connections will be accepted.</p> <p><b>Workaround</b> In order for Internet Explorer 8 to connect to the MFT Server, the user must ensure that SSL 3.0 is turned off. Please ensure that the SSL 3.0 check box is turned off in Internet Options: Advanced: Security: Use SSL 3.0 when using Internet Explorer 8.</p>
	<p><b>Summary</b> Section 508 is supported when using Freedom Scientific JAWS screen reader with the MFT Desktop Client and Windows 7. Occasionally, when using the MFT Desktop Client with Windows XP, the user will experience a double read on file names.</p> <p><b>Workaround</b> None.</p>
	<p><b>Summary</b> MFT Platform Server cannot be configured as a remote server when file names include double byte characters.</p> <p><b>Workaround</b> None.</p>
	<p><b>Summary</b> The graphs generated by the Database Reports will not display correctly when using Firefox. The tabular data presented in the reports will display correctly.</p> <p><b>Workaround</b> None.</p>
	<p><b>Summary</b> MFT Internet Server may experience problems when running on Microsoft Internet Explorer using a hyphen in the hostname. This issue does not happen with Mozilla Firefox. This is a browser compatibility issue and not a defect in the product.</p> <p><b>Workaround</b> None.</p>

Issue #	Summary
	<p><b>Summary</b> Users may experience an error message when using Microsoft Internet Explorer 8 while downloading the command line utilities in FIPS mode. The command line utilities can be downloaded by navigating to &lt;MFTIS_Install&gt;\server\webapps\cfcc\download directory and copying the following files:</p> <ul style="list-style-type: none"> <li>a. Platform Server Command Line Client: ClientCommon.jar and PlatformTransferClient.zip (use PlatformTransferClient.tar for UNIX platforms)</li> <li>b. Administrator Command Line Client: ClientCommon.jar and AdminClient.zip (use AdminClient.tar for UNIX platforms)</li> </ul> <p><b>Workaround</b> None.</p>
	<p><b>Summary</b> Users will not be able to download the Command Line Client or the diagnostics file while using Microsoft Internet Explorer 8 with SSL enabled.</p> <p><b>Workaround</b> None.</p>

## Issue #

## Summary

**Summary** FTP style resume is a mechanism used by many FTP and SSH clients to achieve failure recovery using file length property. FTP style resume is very complex, especially when using SSH. There are different third party vendor implementations that handle certain scenarios in different ways, especially when also supporting zero byte files. We have tried to support resume across all protocols and third party vendor implementations as broadly as possible. The following table summarizes when FTP style resume can be used.

Client/Proxy	*Local	Platform Server	FTP	SSH	AS2	RocketStream Tunnel
FTP	Y*1	Y *1 * 2	Y*1	N	N	N
SSH	Y*1	Y *1 * 2	Y*1	N	N	N
AS2	N	N	N	N	N	N

\*1 FTP style restart/resume supported on Binary transfers only.

\*2 only for upload to Windows and UNIX platforms.

The following FTP/SSH servers and clients have been tested to support resume. Resume is not supported for SSH servers because some third party vendor implementations will report success but actually corrupt the transferred file.

FTP Servers	
Windows	FileZilla 0.9.8
Windows	freeFTPd 1.0.11
Windows	Goden FTP 4.20
Windows	WinFTP 2.4.0
Windows	Cerberus FTP 2.5
Windows	Sysax Multi Server 4.6
Windows	Apache FTP Server 1.0.1
Windows	Titan FTP Server 7.11
Windows	Gene6 FTP Server 3.10.0
Unix/Linux	AIX FTP Server 4.2

FTP Clients	
Windows	FileZilla 3.2.3.1
Windows	WinSCP FTP Client 4.2.1 (Bld 428)
SSH Clients	
Windows	FileZilla 3.2.3.1
Windows	WinSCP SSH Client 4.2.1 (Bld 428)
Windows	Reflection R1 (15.3.436.0)

**Workaround** None.