



TIBCO® Managed File Transfer Command Center

Release Notes

Version 8.5.1 | December 2023

Contents

Contents	2
New Features	3
Changes in Functionality	4
Changes in Platform Support	5
Deprecated Features	6
Version 8.5.0	6
Removed Features	7
Version 8.5.0	7
Migration and Compatibility	8
Closed Issues	12
Known Issues	14
TIBCO Documentation and Support Services	19
Legal and Third-Party Notices	21

New Features

The following new features have been added in this release of TIBCO® Managed File Transfer Command Center.

- The following two new web.xml parameters are added for additional validation of PPA tokens:
 - `EscapePPATokenCharacters`:

This parameter defines the PPA characters that escaped when run by an SSH PPA request.
The default value is: `>;|&`
 - `ProtectPPATokens`:

This parameter defines the way SSH PPA tokens are processed. The following three options are available for the parameter:

 - **Escape**: MFT escapes SSH PPA token characters defined by the `EscapePPATokenCharacters` web.xml parameter. This is the default value.
 - **Reject**: MFT rejects SSH PPA requests when a PPA token includes characters defined by the `EscapePPATokenCharacters` web.xml parameter.
 - **Ignore**: MFT processes SSH PPA without checking whether a PPA includes characters defined by the `EscapePPATokenCharacters` web.xml parameter
- Tomcat is upgraded to version 9.0.80.

Changes in Functionality

No functionality changes have been made in this release of TIBCO® Managed File Transfer Command Center.

Changes in Platform Support

Supported platforms are not affected in this release. For a complete list of supported platforms, see the Readme file.

Deprecated Features

The following features have been deprecated as of this release of TIBCO® Managed File Transfer Command Center.

Version 8.5.0

Key	Summary
Java 8 to Java 16 Support	TIBCO® Managed File Transfer Command Center 8.6.0 and later versions are compiled on Java 17 and no longer run on Java 8 to Java 16 versions.
Platform Server Implicit SSL Mode for Transfers and Command Center Requests	Use TLS Tunnel when communicating to Platform servers.
JTDS SQL Server JDBC Driver	TIBCO® Managed File Transfer Command Center 8.6.0 and later versions will only support the Microsoft JDBC Driver.

Removed Features

The following features have been removed since the last major release of TIBCO® Managed File Transfer Command Center

Version 8.5.0

Key	Summary
DB2 Support	IBM DB2 databases are no longer supported.
TIBCO Accelerator	TIBCO® Accelerator is removed since there are better ways to improve transfer speed.
Radius Support	Radius Authentication is removed. Migrate to SAML or OIDC authentication.
IBM FIPS Support	IBM FIPS is no longer supported. Use the BouncyCastle FIPS support instead.

Migration and Compatibility

When upgrading from a previous release to this release of TIBCO® Managed File Transfer Command Center, follow these guidelines:

- The database should always be backed up prior to an upgrade.
- When migrating from prior releases, you must install TIBCO® Managed File Transfer Internet Server 8.5.1 first. Only after all TIBCO MFT Internet Servers are migrated to 8.5.1, you should install TIBCO® Managed File Transfer Command Center 8.5.1.
- TIBCO® Managed File Transfer Command Center 8.5.1 cannot run concurrently on the same machine with versions prior to 7.3.0 of TIBCO® Managed File Transfer Command Center or TIBCO® Managed File Transfer Internet Server sharing the same Java JDK because of improvements in the software. If you are installing TIBCO® Managed File Transfer Command Center 8.5.1 on a machine that is running a version prior to 7.3.0 of TIBCO® Managed File Transfer Command Center, it should only be installed if you are upgrading to the new version. You can install TIBCO® Managed File Transfer Command Center 8.5.1 on the same server only if you use a different Java JDK.
- Alerts added in prior releases (before version 7.3.0) become transfer alerts in this release.
- Versions of the desktop client at release 8.3 and below do not work with version 8.5.1. You must upgrade to version 8.5.1 to use the desktop client. Desktop Client version 4 does not work with MFT Internet Server version 8.3.0 and below.
- The Promotion Utility only supports REST. The Promotion Utility can work with MFT Internet Server and Command Center version 8.3.0 and version 8.2.0 by using REST calls.
- The Command Line Utilities (Admin, Platform Transfer, and File Transfer) only support REST. They can work with MFT Internet Server and Command Center version 8.3.0 and version 8.2.0 by using REST calls.
- TIBCO Managed File Transfer Command Center and Internet Server version 8.5.0 and above use a different algorithm to encrypt and decrypt passwords. This new encryption only takes place when a password is changed and all Internet Server and Command Center instances have been upgraded to version 8.5.0 or later. When all

instances have been upgraded to version 8.5.1 or later and passwords have been changed, you must not revert any servers back to versions 8.4.3 or previous versions. Passwords encrypted by the new encryption algorithms cannot be decrypted by versions 8.4.3 or previous versions.

i Note: When you run TIBCO® Managed File Transfer Command Center in BouncyCastle FIPS mode, only Elliptic Curve Diffie-Hellman ciphers are supported. In FIPS mode, RSA keys are not allowed to be used for encrypting/decrypting and then used again for signing/verifying. SSL/TLS is particularly prone to this problem, especially if keys are shared by client and servers. Therefore, only Elliptic Curve Diffie-Hellman ciphers are allowed for FTPS, Platform Server SSL, Platform Server Tunnel, and HTTPS client and server requests. While Elliptic Curve ciphers are supported in recent client and server software, some old software does not support Elliptic Curve ciphers. You must ensure that all client and server software supports Elliptic Curve ciphers. When you use TIBCO MFT Platform Server for Windows or TIBCO MFT Platform Server for UNIX, the following software must be installed to support Elliptic Curve ciphers:

- MFT TIBCO Platform Server for Windows V8.0.0 with hotfix 8.0.0_HF-002 or later
- MFT TIBCO Platform Server for UNIX V8.0.0 with hotfix 8.0.0_HF-001 or later

Enabling the CTEXT Data Type

When you install TIBCO® Managed File Transfer Command Center with a PostgreSQL database, support for the CTEXT data type is required. To enable the CTEXT data type

1. Install the PostgreSQL citext extension.
2. Execute the following SQL command as a superadmin for the PostgreSQL MFT database.

```
CREATE EXTENSION IF NOT EXISTS CTEXT;
```

Migration from a Previous Release

You can migrate to version 8.5.1 of TIBCO® Managed File Transfer Command Center in one of two ways:

1. As a new installation with a new database.
2. As an upgrade from an existing installation.

i Note: If you have an existing installation running TIBCO® Managed File Transfer Command Center 8.5.0 performing this service pack (or hotfix) installation is recommended.

- a. Copy the following files to the install directory of the TIBCO® Managed File Transfer Command Center 8.5.0:
 - fips.sh
 - fips.bat
 - install.sh
 - install.bat
 - installer.jar
 - SPMFT851.jar
- b. Install the service pack as if it was a hotfix. Enter one of the following commands based on your operating system:
 - For UNIX: `./install.sh SPMFT851` or `./install.sh SPMFT851 silent`
 - For Windows: `.\install.bat SPMFT851` or `.\install.bat SPMFT851 silent`
- c. If TIBCO® Managed File Transfer Command Center 8.5.0 was installed as an express install, based on your operating system, enter one of the following commands:
 - For UNIX: `./install.sh SPMFT851 express`
 - For Windows: `.\install.bat SPMFT851 express`

You can migrate to version 8.5.1 of the Admin client and the Platform Transfer client utilities in the following way:

1. Copy the AdminClient.tar and the AdminClient.zip files from *MFT install/SPMFT851/cfccroot/obfuscate/AdminClient* to *MFT Install/distribution/AdminClient/* and re-install the client utility.
2. Copy the PlatformTransferClient.tar and the PlatformTransferClient.zip files

from *MFT install/SPMFT851/cfccroot/obfuscate/PlatformTransfer* to *MFT Install/distribution/PlatformTransfer/* and re-install the client utility.

Closed Issues

The following issues have been fixed in this release of TIBCO® Managed File Transfer Command Center.

Key	Summary
MFCC-7855	Weak RSA TLS cipher suites are removed.
MFCC-7853	Fields on the Browser Change Password page are now encoded.
MFCC-7836	The Collection Service Status and Configure Collection Service pages are not encoded.
MFCC-7834	The Add/Update OIDC provider page displays a stack trace on a retrieve request, when a bad URL is entered for the OIDC Well-Known Configuration URL parameter.
MFCC-7812	Recaptcha Site Key is now configured to prevent invalid characters from being entered.
MFCC-7808	When many transfers are initiated to a server, thread count increases and the connection to the server times out.
MFCC-7804	Directories are incorrectly created when the transfer definition Write Mode is set to CreateReplace and the transfer definition Server File Name contains a directory that does not exist. A new Write Mode value, Create-Replace-Only is added, which does not create directories.
MFCC-7793	When importing a System Key and the global Apply Rules to Private Key creation option is set to Yes , password rules are incorrectly used to validate the keystore password.

Key	Summary
MFCC-7783	The fips.sh test command fails with the following error: <pre>No such file or directory</pre>
MFCC-7781	When no server is selected on an alert definition, a pop-up window is added to continue or cancel the request.
MFCC-7751	When the COM_TIBCO_MFT_TRACEDIR environment variable is defined, some trace files still incorrectly go to Tomcat's log directory.

Known Issues

The following issues exist in this release of TIBCO® Managed File Transfer Command Center.

Key	Summary and Workaround
MFCC-7418	Summary: When using Java 17, File Transfer Command Line uploads and downloads fail with the following error message: <pre>nosuchmethoderror</pre> Workaround: Use Java 11 when using the Command Line Client.
MFCC-6920	Summary: Newer versions of the FileZilla FTPS server are not supported as FileZilla needs TLS Session Resumption. Workaround: None.
MFCC-6508	Summary: When a user logs in with OIDC, the first login fails with the following error message: <pre>OIDC authentication failed. Please contact your administrator. To resolve this issue edit file: <MFT-Install>/server/conf/cfcc.xml Set SameSiteCookies from "strict" to "lax" <CookieProcessor className="org.apache.tomcat.util.http.LegacyCookieProcessor" sameSiteCookies="lax" /></pre> Workaround: Open server/conf/context.xml in the MFT installation, and change sameSiteCookies from strict to lax, and restart MFT.
MFCC-6128	Summary: When using some clients for download from Virtual Alias, the virus files are downloaded if AV check is in 'Streaming mode'. Workaround: Change the Transfer or Server definition to Store and Forward mode. For more information on virus scanning, see <i>TIBCO Managed File Transfer User</i>

(Continued)

Key	Summary and Workaround
	<i>Guide.</i>
MFCC-5945	Summary: When a new trusted certificate is added, Internet Server or Command Center must be restarted before the trusted certificate is used. Workaround: Restart the Internet Server or Command Center.
MFCC-5942	Summary: When clientAuth is set to true, all multi-server communications fail, including server status. Workaround: Only set clientAuth to true when there is only one MFT instance. For multiple instances, set to want.
MFCC-5714	Summary: When the target server is a Platform Server, new Internet Transfer PPA tokens are added that are not supported. Workaround: Review the Transfer definition help pages for more information.
MFCC-5458	Summary: When you sort the Users, Servers, and Transfers definition pages by any column multiple times, a bad token error message is received. Workaround: None.
MFCC-5339	Summary: When connecting to a MySQL 8 database, TIBCO Managed File Transfer Command Center might get the following exception: <pre>Failed to establish a connection to the database: com.mysql.jdbc.exceptions.jdbc4.MySQLNonTransientConntionExceptio n: Public Key Retrieval is not allowed-error-in-java/</pre> Workaround: There are 3 possible workarounds for this issue (ranked most secure to least secure): • (Preferred) Use a TLS connection from MFT to MySQL. • Change the MySQL default_authentication_plugin section to mysql_native_password. • Add the following parameter to the database connection URL:

(Continued)

Key	Summary and Workaround
	<code>&allowPublicKeyRetrieval=true</code> Note: The <code>allowPublicKeyRetrieval=true</code> variable might allow a malicious proxy to perform a man-in-the-middle (MiTM) attack to get the plaintext password, that is why it is false by default.
MFCC-5103	Summary: You cannot delete or rename files from download definitions when '/' is the virtual alias. Workaround: None.
MFCC-5121	Summary: MFT Reports receive an exception when using Java 11 or above that runs in FIPS mode. Workaround: None.
MFCC-5144	Summary: Dashboards do not work in Internet Explorer. Workaround: None.
MFCC-4847	Summary: When the MFT browser client is used for file transfers, the following issues occur: • Folder drag and drop does not work in Internet Explorer. • With NODRIVE token, the folder structure of the files uploaded in Edge is different from that in Firefox or Chrome. Workaround: None.
MFCC-4588	Summary: When the server.xml HTTPS connector has been configured to accept only TLSv1.3, hotfix installations might fail because the installer supports TLSv1, TLSv1.1 or TLSv1.2. Workaround: You must add TLSv1.3 to this parameter in the install.bat or install.sh: <code>-Dhttps.protocols="TLSv1,TLSv1.1,TLSv1.2,TLSv1.3"</code>
MFCC-4564	Summary: When the Oracle database password length is less than 14 characters, you cannot enable or disable FIPS mode in TIBCO Managed File Transfer Command

(Continued)

Key	Summary and Workaround
	Center installed on Oracle database. Workaround: The Oracle database password length must be more than 14 characters.
MFCC-4403	Summary: In the database reports, the heading fields are not displayed after exporting to .docx format. Workaround: None.
MFCC-4386	Summary: [G11N] Filename with multilingual characters gets garbled after it is uploaded to the transfer client in the SSH server type. Workaround: In the web.xml file, add UTF-8 in the SSHFileNameEncoding parameter. Here is an example: <pre data-bbox="383 915 1203 1209"> <context-param> <param-name> SSHFileNameEncoding</param- name> <!-- use UTF-8 if default (ISO-8859-1) not working --> <param-value>UTF-8<param- value> </context-param> </pre>
MFCC-3872	Summary: A TIBCO® Managed File Transfer Platform Server upgrade is required to enable the StopOnFailure parameter in TIBCO MFT Platform Server transfer Data Properties section. Workaround: None.
MFCC-2934	Summary: TIBCO MFT Command Center uses Kerberos authentication to connect to the remote HDFS server even if simple authentication has been specified in the server definition. Workaround: Restart TIBCO MFT Command Center.
MFCC-	Summary: When selecting a user folder from the Server File Name list in a File

(Continued)

Key	Summary and Workaround
2750	Share transfer definition, if the name of the folder shared by another user is the same as the folder that you created, only the shared folder is displayed. Workaround: None.

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the [Product Documentation website](#), mainly in HTML and PDF formats.

The [Product Documentation website](#) is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The documentation for this product is available on the [TIBCO® Managed File Transfer Command Center](#) Documentation page.

- TIBCO® Managed File Transfer Command Center *Managed File Transfer Overview*
- TIBCO® Managed File Transfer Command Center *Installation*
- TIBCO® Managed File Transfer Command Center *Quick Start Guide*
- TIBCO® Managed File Transfer Command Center *User Guide*
- TIBCO® Managed File Transfer Command Center *Utilities Guide*
- TIBCO® Managed File Transfer Command Center *API Guide*
- TIBCO® Managed File Transfer Command Center *Security Guide*
- TIBCO® Managed File Transfer Command Center *Container Deployment*
- TIBCO® Managed File Transfer Command Center *Release Notes*

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about

products you are interested in, visit our [product Support website](#).

- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the [product Support website](#). If you do not have a username, you can request one by clicking **Register** on the website.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](#). For a free registration, go to [TIBCO Community](#).

Legal and Third-Party Notices

SOME CLOUD SOFTWARE GROUP, INC. (“CLOUD SG”) SOFTWARE AND CLOUD SERVICES EMBED, BUNDLE, OR OTHERWISE INCLUDE OTHER SOFTWARE, INCLUDING OTHER CLOUD SG SOFTWARE (COLLECTIVELY, “INCLUDED SOFTWARE”). USE OF INCLUDED SOFTWARE IS SOLELY TO ENABLE THE FUNCTIONALITY (OR PROVIDE LIMITED ADD-ON FUNCTIONALITY) OF THE LICENSED CLOUD SG SOFTWARE AND/OR CLOUD SERVICES. THE INCLUDED SOFTWARE IS NOT LICENSED TO BE USED OR ACCESSED BY ANY OTHER CLOUD SG SOFTWARE AND/OR CLOUD SERVICES OR FOR ANY OTHER PURPOSE.

USE OF CLOUD SG SOFTWARE AND CLOUD SERVICES IS SUBJECT TO THE TERMS AND CONDITIONS OF AN AGREEMENT FOUND IN EITHER A SEPARATELY EXECUTED AGREEMENT, OR, IF THERE IS NO SUCH SEPARATE AGREEMENT, THE CLICKWRAP END USER AGREEMENT WHICH IS DISPLAYED WHEN ACCESSING, DOWNLOADING, OR INSTALLING THE SOFTWARE OR CLOUD SERVICES (AND WHICH IS DUPLICATED IN THE LICENSE FILE) OR IF THERE IS NO SUCH LICENSE AGREEMENT OR CLICKWRAP END USER AGREEMENT, THE LICENSE(S) LOCATED IN THE “LICENSE” FILE(S) OF THE SOFTWARE. USE OF THIS DOCUMENT IS SUBJECT TO THOSE SAME TERMS AND CONDITIONS, AND YOUR USE HEREOF SHALL CONSTITUTE ACCEPTANCE OF AND AN AGREEMENT TO BE BOUND BY THE SAME.

This document is subject to U.S. and international copyright laws and treaties. No part of this document may be reproduced in any form without the written authorization of Cloud Software Group, Inc.

TIBCO, the TIBCO logo, the TIBCO O logo, and Slingshot are either registered trademarks or trademarks of Cloud Software Group, Inc. in the United States and/or other countries.

Java and all Java based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

All other product and company names and marks mentioned in this document are the property of their respective owners and are mentioned for identification purposes only. You acknowledge that all rights to these third party marks are the exclusive property of their respective owners. Please refer to Cloud SG’s Third Party Trademark Notices (<https://www.cloud.com/legal>) for more information.

This document includes fonts that are licensed under the SIL Open Font License, Version 1.1, which is available at: <https://scripts.sil.org/OFL>

Copyright (c) Paul D. Hunt, with Reserved Font Name Source Sans Pro and Source Code Pro.

Cloud SG software may be available on multiple operating systems. However, not all operating system platforms for a specific software version are released at the same time. See the “readme” file for the availability of a specific version of Cloud SG software on a specific operating system platform.

THIS DOCUMENT IS PROVIDED “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

THIS DOCUMENT COULD INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. CHANGES ARE PERIODICALLY ADDED TO THE INFORMATION HEREIN; THESE CHANGES WILL BE INCORPORATED IN NEW EDITIONS OF THIS DOCUMENT. CLOUD SG MAY MAKE IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S), THE PROGRAM(S), AND/OR THE SERVICES DESCRIBED IN THIS DOCUMENT AT ANY TIME WITHOUT NOTICE.

THE CONTENTS OF THIS DOCUMENT MAY BE MODIFIED AND/OR QUALIFIED, DIRECTLY OR INDIRECTLY, BY OTHER DOCUMENTATION WHICH ACCOMPANIES THIS SOFTWARE, INCLUDING BUT NOT LIMITED TO ANY RELEASE NOTES AND "README" FILES.

This and other products of Cloud SG may be covered by registered patents. For details, please refer to the Virtual Patent Marking document located at <https://www.tibco.com/patents>.

Copyright © 2003-2023. Cloud Software Group, Inc. All Rights Reserved.