New Features

The following features have been added in this release of TIBCO GridServer®:

HashiCorp Vault Support for Database Credentials

TIBCO GridServer® now integrates with HashiCorp Vault to securely store and retrieve database credentials for the reporting database. This allows you to centralize credential management, enhance security, and maintain compliance with enterprise standards. You can use Token-based and AppRole-based Vault authentication methods.

For more information, see "Configuring HashiCorp Vault for Reporting Database Credentials" section in *TIBCO GridServer® Installation guide*.

Active Directory Authentication for the Microsoft SQL Server Reporting Database

TIBCO GridServer® now supports on-premises Active Directory (AD) authentication for the Microsoft SQL Server reporting database as an alternative to standard SQL Server authentication. This feature is supported on both Windows and Linux operating systems running the Manager. This enhancement allows you to configure Windows Integrated Authentication for your reporting database, meeting stringent security requirements and ensuring seamless integration with your existing AD infrastructure.

For more information, see "Configuring Active Directory (AD) Authentication for the SQL Server Reporting Database (On-Premise)" section in the TIBCO GridServer® Installation guide.

Apply License Using Script

TIBCO GridServer® supports applying a license file through a script. This eliminates the need to log in to the Director UI for license installation. During a silent installation, set the new `licenseFile` property in `install.silent`. Provide the full path to your license file. The system applies the license automatically as part of the install. For more information, refer to "Silent Installation" section in the TIBCO GridServer® Installation guide.

Apache Tomcat® 10.1.55 Upgrade

The embedded Apache Tomcat server has been upgraded to version 10.1.55. As Tomcat 10.1 implements Jakarta EE 9 or later, the GridServer Manager web application has migrated from the `javax.*` namespace to the `jakarta.*` namespace.

As a result, the REST and SOAP API connectors and authenticators have also been updated to support the new namespace.

Changes in Functionality

The following changes in functionality have been made in this release of TIBCO GridServer®:

GridServer Manager Interface Updated to Bootstrap 5

TIBCO GridServer® web interface now uses Bootstrap 5.3.8, replacing the previously included Bootstrap 3.3.7 version.

With upgrade to this current, supported version of the Bootstrap library addresses vulnerabilities identified in the older version and addresses the security concerns of the Manager interface. For details on changes in functionality since the last major release of this product, see the section "Upgrading GridServer" section in the TIBCO GridServer® Installation guide.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO GridServer®:

Deprecated Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Engine	Support for 32-bit Windows and Linux engines will be discontinued in a future release. To ensure compatibility with future	7.1.1

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
	updates. migrate to 64-bit operating systems.	

Removed Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Server / JRE	Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.	7.1.1
Manager	RHEL 7 is not supported for the Manager. However, the Engine/Driver should still run on RHEL 7 for applications compiled with GCC 3.4 and GCC 4.9.	7.1.1

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO GridServer®:

Java 11 is the Minimum Required JVM Version

Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.

Apache Tomcat 10.1 and Jakarta Namespace Migration

Migrate any deployed web components, Broker or Manager hooks, or bundled libraries that reference the `javax.*` servlet API to the `jakarta.*` namespace.

It is recommended that before you start the upgrade, back up the `server.xml` file from the `DS_DATA/conf` directory to a separate directory to preserve your custom configurations. After the upgrade, replace the `server.xml` file in `DS_DATA/conf` with the updated file from the release. Then, reapply any required customizations.

Microsoft SQL Server 2022 Support for the Reporting Database

TIBCO GridServer® now supports Microsoft SQL Server 2022 as a reporting database. You can select this version when configuring the reporting database for the GridServer Manager. GridServer 7.1.1 includes all cumulative fixes from GridServer 7.1.0 HF-01 through HF-08, the additional fixes listed in the Closed Issues section, and the enhancements described in the New Features section.

For details on how to migrate from a previous release to the current release, see the section Upgrading GridServer in the TIBCO GridServer® Installation guide.

Closed Issues

The following issues have been fixed in this release of TIBCO GridServer®:

Documentation

KEY	SUMMARY
GS-18270	The Developer's Guide included an outdated section regarding C++ compiler configuration. This section referenced `invokeGCC`, a component that is no longer available in GS 7.x. The documentation now provides updated and correct instructions for configuring the `GCC` `Version` property when you run Linux C++ Services.

Manager

KEY	SUMMARY
GS-17648	You cannot assign a role to an LDAP user if no email is entered.
GS-17645	When changing a non-SSL server to an SSL server, the Manager (Broker) ID changes when re-configuring the server. To fix this issue, you can perform one of the following two options: - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed)

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually input the old server ID during configuration.

Engine, Engine Daemon

KEY	SUMMARY
GS-17647	On Windows Engines, the logs `engine-stderrxxx.log` and `engine-stdoutxxx.log` are not generated as expected.

Known Issues

This section lists known issues in this release of TIBCO GridServer®:

Engine, Engine Daemon

KEY	SUMMARY/WORKAROUND
GS-17640	Summary When Engines are moved from GridServer version 6.3.1_hotfix05 to GridServer version 7.1.0, sometimes the win32 and win64 Engines do not move to the GridServer 7.1.0 server. The server running is the SSL server using a self-signed certificate. 1. After the Engines are online on GridServer version 6.3.1, change the Primary Director URL from 631 to 710 in the Engine Configuration. 2. Check after some time (for example, 15 secs), the GridServer version 7.1.0 Primary Director URL reflects in the `engined.log` file and that the Engine is trying to connect to the GridServer version 7.1.0 server. 3. Then copy the GridServer version 7.1.0 certificates to the Engine directory.

Manager

KEY	SUMMARY/WORKAROUND
GS-20099	Summary: When connecting to LDAP through a non-SSL enabled grid, results in a FileNotFoundException if the server.keystore file is not present. The system incorrectly attempts to validate or load server.keystore, even when it was not required for the connection. The SSL configuration is updated to prevent this unnecessary check., ensuring successful LDAP connectivity.
GS-17691	Summary: Task collection generates an excessive amount of logs at the FINE level.
GS-17646	Summary: If you use `DSConfigureOnStartup=true` in the `installation.properties` file to re-

KEY	SUMMARY/WORKAROUND
	configure the server, it causes a Grid Cache problem. Grid Cache is not properly initialized after the server is up. For SSL server - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed). For the non-SSL server (for converting a Broker to a Director or vice versa). - Ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration. For an already running server 1. Purge the offline Broker from Grid Components > Broker Admin. 2. Stop the server. 3. Go to `DS_DATA/cache` and delete the `old_offline_broker_id.broker` file. 4. Start the server.

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration.

Services

KEY	SUMMARY
GS-17423	Summary Service Priority Changed Event is not captured through Kafka Event Streaming.

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

Documentation for TIBCO GridServer® is available on the TIBCO GridServer® Product Documentation page.

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.
- To submit ideas, suggestions, or feedback for TIBCO products, visit our product Support 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. For a free registration, go to TIBCO Community.

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TIBCO GridServer® now integrates with HashiCorp Vault to securely store and retrieve database credentials for the reporting database. This allows you to centralize credential management, enhance security, and maintain compliance with enterprise standards. You can use Token-based and AppRole-based Vault authentication methods.

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Apply License Using Script

TIBCO GridServer® supports applying a license file through a script. This eliminates the need to log in to the Director UI for license installation. During a silent installation, set the new `licenseFile` property in `install.silent`. Provide the full path to your license file. The system applies the license automatically as part of the install. For more information, refer to "Silent Installation" section in the TIBCO GridServer® Installation guide.

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As a result, the REST and SOAP API connectors and authenticators have also been updated to support the new namespace.

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The following changes in functionality have been made in this release of TIBCO GridServer®:

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With upgrade to this current, supported version of the Bootstrap library addresses vulnerabilities identified in the older version and addresses the security concerns of the Manager interface. For details on changes in functionality since the last major release of this product, see the section "Upgrading GridServer" section in the TIBCO GridServer® Installation guide.

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The following features have been deprecated or removed as of this release of TIBCO GridServer®:

Deprecated Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Engine	Support for 32-bit Windows and Linux engines will be discontinued in a future release. To ensure compatibility with future	7.1.1

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
	updates. migrate to 64-bit operating systems.	

Removed Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
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Manager	RHEL 7 is not supported for the Manager. However, the Engine/Driver should still run on RHEL 7 for applications compiled with GCC 3.4 and GCC 4.9.	7.1.1

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO GridServer®:

Java 11 is the Minimum Required JVM Version

Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.

Apache Tomcat 10.1 and Jakarta Namespace Migration

Migrate any deployed web components, Broker or Manager hooks, or bundled libraries that reference the `javax.*` servlet API to the `jakarta.*` namespace.

It is recommended that before you start the upgrade, back up the `server.xml` file from the `DS_DATA/conf` directory to a separate directory to preserve your custom configurations. After the upgrade, replace the `server.xml` file in `DS_DATA/conf` with the updated file from the release. Then, reapply any required customizations.

Microsoft SQL Server 2022 Support for the Reporting Database

TIBCO GridServer® now supports Microsoft SQL Server 2022 as a reporting database. You can select this version when configuring the reporting database for the GridServer Manager. GridServer 7.1.1 includes all cumulative fixes from GridServer 7.1.0 HF-01 through HF-08, the additional fixes listed in the Closed Issues section, and the enhancements described in the New Features section.

For details on how to migrate from a previous release to the current release, see the section Upgrading GridServer in the TIBCO GridServer® Installation guide.

Closed Issues

The following issues have been fixed in this release of TIBCO GridServer®:

Documentation

KEY	SUMMARY
GS-18270	The Developer's Guide included an outdated section regarding C++ compiler configuration. This section referenced `invokeGCC`, a component that is no longer available in GS 7.x. The documentation now provides updated and correct instructions for configuring the `GCC` `Version` property when you run Linux C++ Services.

Manager

KEY	SUMMARY
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GS-17645	When changing a non-SSL server to an SSL server, the Manager (Broker) ID changes when re-configuring the server. To fix this issue, you can perform one of the following two options: - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed)

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually input the old server ID during configuration.

Engine, Engine Daemon

KEY	SUMMARY
GS-17647	On Windows Engines, the logs `engine-stderrxxx.log` and `engine-stdoutxxx.log` are not generated as expected.

Known Issues

This section lists known issues in this release of TIBCO GridServer®:

Engine, Engine Daemon

KEY	SUMMARY/WORKAROUND
GS-17640	Summary When Engines are moved from GridServer version 6.3.1_hotfix05 to GridServer version 7.1.0, sometimes the win32 and win64 Engines do not move to the GridServer 7.1.0 server. The server running is the SSL server using a self-signed certificate. 1. After the Engines are online on GridServer version 6.3.1, change the Primary Director URL from 631 to 710 in the Engine Configuration. 2. Check after some time (for example, 15 secs), the GridServer version 7.1.0 Primary Director URL reflects in the `engined.log` file and that the Engine is trying to connect to the GridServer version 7.1.0 server. 3. Then copy the GridServer version 7.1.0 certificates to the Engine directory.

Manager

KEY	SUMMARY/WORKAROUND
GS-20099	Summary: When connecting to LDAP through a non-SSL enabled grid, results in a FileNotFoundException if the server.keystore file is not present. The system incorrectly attempts to validate or load server.keystore, even when it was not required for the connection. The SSL configuration is updated to prevent this unnecessary check., ensuring successful LDAP connectivity.
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KEY	SUMMARY/WORKAROUND
	configure the server, it causes a Grid Cache problem. Grid Cache is not properly initialized after the server is up. For SSL server - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed). For the non-SSL server (for converting a Broker to a Director or vice versa). - Ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration. For an already running server 1. Purge the offline Broker from Grid Components > Broker Admin. 2. Stop the server. 3. Go to `DS_DATA/cache` and delete the `old_offline_broker_id.broker` file. 4. Start the server.

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration.

Services

KEY	SUMMARY
GS-17423	Summary Service Priority Changed Event is not captured through Kafka Event Streaming.

TIBCO Documentation and Support Services

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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.
- To submit ideas, suggestions, or feedback for TIBCO products, visit our product Support 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. For a free registration, go to TIBCO Community.

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Documentation

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KEY	SUMMARY
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Note:

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New Features

The following features have been added in this release of TIBCO GridServer®:

HashiCorp Vault Support for Database Credentials

TIBCO GridServer® now integrates with HashiCorp Vault to securely store and retrieve database credentials for the reporting database. This allows you to centralize credential management, enhance security, and maintain compliance with enterprise standards. You can use Token-based and AppRole-based Vault authentication methods.

For more information, see "Configuring HashiCorp Vault for Reporting Database Credentials" section in *TIBCO GridServer® Installation guide*.

Active Directory Authentication for the Microsoft SQL Server Reporting Database

TIBCO GridServer® now supports on-premises Active Directory (AD) authentication for the Microsoft SQL Server reporting database as an alternative to standard SQL Server authentication. This feature is supported on both Windows and Linux operating systems running the Manager. This enhancement allows you to configure Windows Integrated Authentication for your reporting database, meeting stringent security requirements and ensuring seamless integration with your existing AD infrastructure.

For more information, see "Configuring Active Directory (AD) Authentication for the SQL Server Reporting Database (On-Premise)" section in the TIBCO GridServer® Installation guide.

Apply License Using Script

TIBCO GridServer® supports applying a license file through a script. This eliminates the need to log in to the Director UI for license installation. During a silent installation, set the new `licenseFile` property in `install.silent`. Provide the full path to your license file. The system applies the license automatically as part of the install. For more information, refer to "Silent Installation" section in the TIBCO GridServer® Installation guide.

Apache Tomcat® 10.1.55 Upgrade

The embedded Apache Tomcat server has been upgraded to version 10.1.55. As Tomcat 10.1 implements Jakarta EE 9 or later, the GridServer Manager web application has migrated from the `javax.*` namespace to the `jakarta.*` namespace.

As a result, the REST and SOAP API connectors and authenticators have also been updated to support the new namespace.

Changes in Functionality

The following changes in functionality have been made in this release of TIBCO GridServer®:

GridServer Manager Interface Updated to Bootstrap 5

TIBCO GridServer® web interface now uses Bootstrap 5.3.8, replacing the previously included Bootstrap 3.3.7 version.

With upgrade to this current, supported version of the Bootstrap library addresses vulnerabilities identified in the older version and addresses the security concerns of the Manager interface. For details on changes in functionality since the last major release of this product, see the section "Upgrading GridServer" section in the TIBCO GridServer® Installation guide.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO GridServer®:

Deprecated Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Engine	Support for 32-bit Windows and Linux engines will be discontinued in a future release. To ensure compatibility with future	7.1.1

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
	updates. migrate to 64-bit operating systems.	

Removed Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Server / JRE	Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.	7.1.1
Manager	RHEL 7 is not supported for the Manager. However, the Engine/Driver should still run on RHEL 7 for applications compiled with GCC 3.4 and GCC 4.9.	7.1.1

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO GridServer®:

Java 11 is the Minimum Required JVM Version

Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.

Apache Tomcat 10.1 and Jakarta Namespace Migration

Migrate any deployed web components, Broker or Manager hooks, or bundled libraries that reference the `javax.*` servlet API to the `jakarta.*` namespace.

It is recommended that before you start the upgrade, back up the `server.xml` file from the `DS_DATA/conf` directory to a separate directory to preserve your custom configurations. After the upgrade, replace the `server.xml` file in `DS_DATA/conf` with the updated file from the release. Then, reapply any required customizations.

Microsoft SQL Server 2022 Support for the Reporting Database

TIBCO GridServer® now supports Microsoft SQL Server 2022 as a reporting database. You can select this version when configuring the reporting database for the GridServer Manager. GridServer 7.1.1 includes all cumulative fixes from GridServer 7.1.0 HF-01 through HF-08, the additional fixes listed in the Closed Issues section, and the enhancements described in the New Features section.

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The following issues have been fixed in this release of TIBCO GridServer®:

Documentation

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New Features

The following features have been added in this release of TIBCO GridServer®:

HashiCorp Vault Support for Database Credentials

TIBCO GridServer® now integrates with HashiCorp Vault to securely store and retrieve database credentials for the reporting database. This allows you to centralize credential management, enhance security, and maintain compliance with enterprise standards. You can use Token-based and AppRole-based Vault authentication methods.

For more information, see "Configuring HashiCorp Vault for Reporting Database Credentials" section in *TIBCO GridServer® Installation guide*.

Active Directory Authentication for the Microsoft SQL Server Reporting Database

TIBCO GridServer® now supports on-premises Active Directory (AD) authentication for the Microsoft SQL Server reporting database as an alternative to standard SQL Server authentication. This feature is supported on both Windows and Linux operating systems running the Manager. This enhancement allows you to configure Windows Integrated Authentication for your reporting database, meeting stringent security requirements and ensuring seamless integration with your existing AD infrastructure.

For more information, see "Configuring Active Directory (AD) Authentication for the SQL Server Reporting Database (On-Premise)" section in the TIBCO GridServer® Installation guide.

Apply License Using Script

TIBCO GridServer® supports applying a license file through a script. This eliminates the need to log in to the Director UI for license installation. During a silent installation, set the new `licenseFile` property in `install.silent`. Provide the full path to your license file. The system applies the license automatically as part of the install. For more information, refer to "Silent Installation" section in the TIBCO GridServer® Installation guide.

Apache Tomcat® 10.1.55 Upgrade

The embedded Apache Tomcat server has been upgraded to version 10.1.55. As Tomcat 10.1 implements Jakarta EE 9 or later, the GridServer Manager web application has migrated from the `javax.*` namespace to the `jakarta.*` namespace.

As a result, the REST and SOAP API connectors and authenticators have also been updated to support the new namespace.

Changes in Functionality

The following changes in functionality have been made in this release of TIBCO GridServer®:

GridServer Manager Interface Updated to Bootstrap 5

TIBCO GridServer® web interface now uses Bootstrap 5.3.8, replacing the previously included Bootstrap 3.3.7 version.

With upgrade to this current, supported version of the Bootstrap library addresses vulnerabilities identified in the older version and addresses the security concerns of the Manager interface. For details on changes in functionality since the last major release of this product, see the section "Upgrading GridServer" section in the TIBCO GridServer® Installation guide.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO GridServer®:

Deprecated Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Engine	Support for 32-bit Windows and Linux engines will be discontinued in a future release. To ensure compatibility with future	7.1.1

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
	updates. migrate to 64-bit operating systems.	

Removed Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Server / JRE	Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.	7.1.1
Manager	RHEL 7 is not supported for the Manager. However, the Engine/Driver should still run on RHEL 7 for applications compiled with GCC 3.4 and GCC 4.9.	7.1.1

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO GridServer®:

Java 11 is the Minimum Required JVM Version

Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.

Apache Tomcat 10.1 and Jakarta Namespace Migration

Migrate any deployed web components, Broker or Manager hooks, or bundled libraries that reference the `javax.*` servlet API to the `jakarta.*` namespace.

It is recommended that before you start the upgrade, back up the `server.xml` file from the `DS_DATA/conf` directory to a separate directory to preserve your custom configurations. After the upgrade, replace the `server.xml` file in `DS_DATA/conf` with the updated file from the release. Then, reapply any required customizations.

Microsoft SQL Server 2022 Support for the Reporting Database

TIBCO GridServer® now supports Microsoft SQL Server 2022 as a reporting database. You can select this version when configuring the reporting database for the GridServer Manager. GridServer 7.1.1 includes all cumulative fixes from GridServer 7.1.0 HF-01 through HF-08, the additional fixes listed in the Closed Issues section, and the enhancements described in the New Features section.

For details on how to migrate from a previous release to the current release, see the section Upgrading GridServer in the TIBCO GridServer® Installation guide.

Closed Issues

The following issues have been fixed in this release of TIBCO GridServer®:

Documentation

KEY	SUMMARY
GS-18270	The Developer's Guide included an outdated section regarding C++ compiler configuration. This section referenced `invokeGCC`, a component that is no longer available in GS 7.x. The documentation now provides updated and correct instructions for configuring the `GCC` `Version` property when you run Linux C++ Services.

Manager

KEY	SUMMARY
GS-17648	You cannot assign a role to an LDAP user if no email is entered.
GS-17645	When changing a non-SSL server to an SSL server, the Manager (Broker) ID changes when re-configuring the server. To fix this issue, you can perform one of the following two options: - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed)

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually input the old server ID during configuration.

Engine, Engine Daemon

KEY	SUMMARY
GS-17647	On Windows Engines, the logs `engine-stderrxxx.log` and `engine-stdoutxxx.log` are not generated as expected.

Known Issues

This section lists known issues in this release of TIBCO GridServer®:

Engine, Engine Daemon

KEY	SUMMARY/WORKAROUND
GS-17640	Summary When Engines are moved from GridServer version 6.3.1_hotfix05 to GridServer version 7.1.0, sometimes the win32 and win64 Engines do not move to the GridServer 7.1.0 server. The server running is the SSL server using a self-signed certificate. 1. After the Engines are online on GridServer version 6.3.1, change the Primary Director URL from 631 to 710 in the Engine Configuration. 2. Check after some time (for example, 15 secs), the GridServer version 7.1.0 Primary Director URL reflects in the `engined.log` file and that the Engine is trying to connect to the GridServer version 7.1.0 server. 3. Then copy the GridServer version 7.1.0 certificates to the Engine directory.

Manager

KEY	SUMMARY/WORKAROUND
GS-20099	Summary: When connecting to LDAP through a non-SSL enabled grid, results in a FileNotFoundException if the server.keystore file is not present. The system incorrectly attempts to validate or load server.keystore, even when it was not required for the connection. The SSL configuration is updated to prevent this unnecessary check., ensuring successful LDAP connectivity.
GS-17691	Summary: Task collection generates an excessive amount of logs at the FINE level.
GS-17646	Summary: If you use `DSConfigureOnStartup=true` in the `installation.properties` file to re-

KEY	SUMMARY/WORKAROUND
	configure the server, it causes a Grid Cache problem. Grid Cache is not properly initialized after the server is up. For SSL server - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed). For the non-SSL server (for converting a Broker to a Director or vice versa). - Ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration. For an already running server 1. Purge the offline Broker from Grid Components > Broker Admin. 2. Stop the server. 3. Go to `DS_DATA/cache` and delete the `old_offline_broker_id.broker` file. 4. Start the server.

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration.

Services

KEY	SUMMARY
GS-17423	Summary Service Priority Changed Event is not captured through Kafka Event Streaming.

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

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- 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.
- To submit ideas, suggestions, or feedback for TIBCO products, visit our product Support website.

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The following features have been added in this release of TIBCO GridServer®:

HashiCorp Vault Support for Database Credentials

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Active Directory Authentication for the Microsoft SQL Server Reporting Database

TIBCO GridServer® now supports on-premises Active Directory (AD) authentication for the Microsoft SQL Server reporting database as an alternative to standard SQL Server authentication. This feature is supported on both Windows and Linux operating systems running the Manager. This enhancement allows you to configure Windows Integrated Authentication for your reporting database, meeting stringent security requirements and ensuring seamless integration with your existing AD infrastructure.

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Apply License Using Script

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Apache Tomcat® 10.1.55 Upgrade

The embedded Apache Tomcat server has been upgraded to version 10.1.55. As Tomcat 10.1 implements Jakarta EE 9 or later, the GridServer Manager web application has migrated from the `javax.*` namespace to the `jakarta.*` namespace.

As a result, the REST and SOAP API connectors and authenticators have also been updated to support the new namespace.

Changes in Functionality

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With upgrade to this current, supported version of the Bootstrap library addresses vulnerabilities identified in the older version and addresses the security concerns of the Manager interface. For details on changes in functionality since the last major release of this product, see the section "Upgrading GridServer" section in the TIBCO GridServer® Installation guide.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO GridServer®:

Deprecated Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Engine	Support for 32-bit Windows and Linux engines will be discontinued in a future release. To ensure compatibility with future	7.1.1

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
	updates. migrate to 64-bit operating systems.	

Removed Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Server / JRE	Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.	7.1.1
Manager	RHEL 7 is not supported for the Manager. However, the Engine/Driver should still run on RHEL 7 for applications compiled with GCC 3.4 and GCC 4.9.	7.1.1

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO GridServer®:

Java 11 is the Minimum Required JVM Version

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Apache Tomcat 10.1 and Jakarta Namespace Migration

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It is recommended that before you start the upgrade, back up the `server.xml` file from the `DS_DATA/conf` directory to a separate directory to preserve your custom configurations. After the upgrade, replace the `server.xml` file in `DS_DATA/conf` with the updated file from the release. Then, reapply any required customizations.

Microsoft SQL Server 2022 Support for the Reporting Database

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Closed Issues

The following issues have been fixed in this release of TIBCO GridServer®:

Documentation

KEY	SUMMARY
GS-18270	The Developer's Guide included an outdated section regarding C++ compiler configuration. This section referenced `invokeGCC`, a component that is no longer available in GS 7.x. The documentation now provides updated and correct instructions for configuring the `GCC` `Version` property when you run Linux C++ Services.

Manager

KEY	SUMMARY
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Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually input the old server ID during configuration.

Engine, Engine Daemon

KEY	SUMMARY
GS-17647	On Windows Engines, the logs `engine-stderrxxx.log` and `engine-stdoutxxx.log` are not generated as expected.

Known Issues

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Engine, Engine Daemon

KEY	SUMMARY/WORKAROUND
GS-17640	Summary When Engines are moved from GridServer version 6.3.1_hotfix05 to GridServer version 7.1.0, sometimes the win32 and win64 Engines do not move to the GridServer 7.1.0 server. The server running is the SSL server using a self-signed certificate. 1. After the Engines are online on GridServer version 6.3.1, change the Primary Director URL from 631 to 710 in the Engine Configuration. 2. Check after some time (for example, 15 secs), the GridServer version 7.1.0 Primary Director URL reflects in the `engined.log` file and that the Engine is trying to connect to the GridServer version 7.1.0 server. 3. Then copy the GridServer version 7.1.0 certificates to the Engine directory.

Manager

KEY	SUMMARY/WORKAROUND
GS-20099	Summary: When connecting to LDAP through a non-SSL enabled grid, results in a FileNotFoundException if the server.keystore file is not present. The system incorrectly attempts to validate or load server.keystore, even when it was not required for the connection. The SSL configuration is updated to prevent this unnecessary check., ensuring successful LDAP connectivity.
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GS-17646	Summary: If you use `DSConfigureOnStartup=true` in the `installation.properties` file to re-

KEY	SUMMARY/WORKAROUND
	configure the server, it causes a Grid Cache problem. Grid Cache is not properly initialized after the server is up. For SSL server - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed). For the non-SSL server (for converting a Broker to a Director or vice versa). - Ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration. For an already running server 1. Purge the offline Broker from Grid Components > Broker Admin. 2. Stop the server. 3. Go to `DS_DATA/cache` and delete the `old_offline_broker_id.broker` file. 4. Start the server.

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration.

Services

KEY	SUMMARY
GS-17423	Summary Service Priority Changed Event is not captured through Kafka Event Streaming.

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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.
- To submit ideas, suggestions, or feedback for TIBCO products, visit our product Support website.

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HashiCorp Vault Support for Database Credentials

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Active Directory Authentication for the Microsoft SQL Server Reporting Database

TIBCO GridServer® now supports on-premises Active Directory (AD) authentication for the Microsoft SQL Server reporting database as an alternative to standard SQL Server authentication. This feature is supported on both Windows and Linux operating systems running the Manager. This enhancement allows you to configure Windows Integrated Authentication for your reporting database, meeting stringent security requirements and ensuring seamless integration with your existing AD infrastructure.

For more information, see "Configuring Active Directory (AD) Authentication for the SQL Server Reporting Database (On-Premise)" section in the TIBCO GridServer® Installation guide.

Apply License Using Script

TIBCO GridServer® supports applying a license file through a script. This eliminates the need to log in to the Director UI for license installation. During a silent installation, set the new `licenseFile` property in `install.silent`. Provide the full path to your license file. The system applies the license automatically as part of the install. For more information, refer to "Silent Installation" section in the TIBCO GridServer® Installation guide.

Apache Tomcat® 10.1.55 Upgrade

The embedded Apache Tomcat server has been upgraded to version 10.1.55. As Tomcat 10.1 implements Jakarta EE 9 or later, the GridServer Manager web application has migrated from the `javax.*` namespace to the `jakarta.*` namespace.

As a result, the REST and SOAP API connectors and authenticators have also been updated to support the new namespace.

Changes in Functionality

The following changes in functionality have been made in this release of TIBCO GridServer®:

GridServer Manager Interface Updated to Bootstrap 5

TIBCO GridServer® web interface now uses Bootstrap 5.3.8, replacing the previously included Bootstrap 3.3.7 version.

With upgrade to this current, supported version of the Bootstrap library addresses vulnerabilities identified in the older version and addresses the security concerns of the Manager interface. For details on changes in functionality since the last major release of this product, see the section "Upgrading GridServer" section in the TIBCO GridServer® Installation guide.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO GridServer®:

Deprecated Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Engine	Support for 32-bit Windows and Linux engines will be discontinued in a future release. To ensure compatibility with future	7.1.1

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
	updates. migrate to 64-bit operating systems.	

Removed Features

AFFECTED COMPONENT	DESCRIPTION	DEPRECATED RELEASE
Server / JRE	Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.	7.1.1
Manager	RHEL 7 is not supported for the Manager. However, the Engine/Driver should still run on RHEL 7 for applications compiled with GCC 3.4 and GCC 4.9.	7.1.1

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO GridServer®:

Java 11 is the Minimum Required JVM Version

Due to the upgrade to Apache Tomcat 10.1, Java 8 is no longer supported as a compatible Java Virtual Machine (JVM) version. The minimum required JVM version is now Java 11.

Apache Tomcat 10.1 and Jakarta Namespace Migration

Migrate any deployed web components, Broker or Manager hooks, or bundled libraries that reference the `javax.*` servlet API to the `jakarta.*` namespace.

It is recommended that before you start the upgrade, back up the `server.xml` file from the `DS_DATA/conf` directory to a separate directory to preserve your custom configurations. After the upgrade, replace the `server.xml` file in `DS_DATA/conf` with the updated file from the release. Then, reapply any required customizations.

Microsoft SQL Server 2022 Support for the Reporting Database

TIBCO GridServer® now supports Microsoft SQL Server 2022 as a reporting database. You can select this version when configuring the reporting database for the GridServer Manager. GridServer 7.1.1 includes all cumulative fixes from GridServer 7.1.0 HF-01 through HF-08, the additional fixes listed in the Closed Issues section, and the enhancements described in the New Features section.

For details on how to migrate from a previous release to the current release, see the section Upgrading GridServer in the TIBCO GridServer® Installation guide.

Closed Issues

The following issues have been fixed in this release of TIBCO GridServer®:

Documentation

KEY	SUMMARY
GS-18270	The Developer's Guide included an outdated section regarding C++ compiler configuration. This section referenced `invokeGCC`, a component that is no longer available in GS 7.x. The documentation now provides updated and correct instructions for configuring the `GCC` `Version` property when you run Linux C++ Services.

Manager

KEY	SUMMARY
GS-17648	You cannot assign a role to an LDAP user if no email is entered.
GS-17645	When changing a non-SSL server to an SSL server, the Manager (Broker) ID changes when re-configuring the server. To fix this issue, you can perform one of the following two options: - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed)

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually input the old server ID during configuration.

Engine, Engine Daemon

KEY	SUMMARY
GS-17647	On Windows Engines, the logs `engine-stderrxxx.log` and `engine-stdoutxxx.log` are not generated as expected.

Known Issues

This section lists known issues in this release of TIBCO GridServer®:

Engine, Engine Daemon

KEY	SUMMARY/WORKAROUND
GS-17640	Summary When Engines are moved from GridServer version 6.3.1_hotfix05 to GridServer version 7.1.0, sometimes the win32 and win64 Engines do not move to the GridServer 7.1.0 server. The server running is the SSL server using a self-signed certificate. 1. After the Engines are online on GridServer version 6.3.1, change the Primary Director URL from 631 to 710 in the Engine Configuration. 2. Check after some time (for example, 15 secs), the GridServer version 7.1.0 Primary Director URL reflects in the `engined.log` file and that the Engine is trying to connect to the GridServer version 7.1.0 server. 3. Then copy the GridServer version 7.1.0 certificates to the Engine directory.

Manager

KEY	SUMMARY/WORKAROUND
GS-20099	Summary: When connecting to LDAP through a non-SSL enabled grid, results in a FileNotFoundException if the server.keystore file is not present. The system incorrectly attempts to validate or load server.keystore, even when it was not required for the connection. The SSL configuration is updated to prevent this unnecessary check., ensuring successful LDAP connectivity.
GS-17691	Summary: Task collection generates an excessive amount of logs at the FINE level.
GS-17646	Summary: If you use `DSConfigureOnStartup=true` in the `installation.properties` file to re-

KEY	SUMMARY/WORKAROUND
	configure the server, it causes a Grid Cache problem. Grid Cache is not properly initialized after the server is up. For SSL server - Install SSL server using Silent installation mode - Install SSL server using UI installation mode (before installing an SSL server, a non-SSL server must not be installed). For the non-SSL server (for converting a Broker to a Director or vice versa). - Ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration. For an already running server 1. Purge the offline Broker from Grid Components > Broker Admin. 2. Stop the server. 3. Go to `DS_DATA/cache` and delete the `old_offline_broker_id.broker` file. 4. Start the server.

Note:

For changing the non-SSL server to an SSL server, ensure that the Manager ID before and after reconfiguration is the same. You must manually enter the old server ID during configuration.

Services

KEY	SUMMARY
GS-17423	Summary Service Priority Changed Event is not captured through Kafka Event Streaming.

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

Documentation for TIBCO GridServer® is available on the TIBCO GridServer® Product Documentation page.

How to Contact Support for TIBCO Products

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- 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.
- To submit ideas, suggestions, or feedback for TIBCO products, visit our product Support website.

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