



TIBCO Foresight® Instream®

Release Notes

Version 9.3.0 | March 2024



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Important Information

This section lists important information about the newest release of TIBCO Foresight® Instream®.

Inclusion of Healthcare Guidelines

Healthcare-related guidelines are shipped with both TIBCO Foresight® Instream® Standard Edition and TIBCO Foresight® Instream® Healthcare Edition; however, the following usage restrictions apply:

- For customers who have licensed TIBCO Foresight® Instream® Healthcare Edition, you may use the healthcare guidelines included in TIBCO Foresight® Instream® Healthcare Edition.
- For customers who have licensed TIBCO Foresight® Instream® Standard Edition, you may not use any of the healthcare guidelines included in TIBCO Foresight® Instream® Healthcare Edition.

API users

API users do not have to recompile their API code for TIBCO Foresight® Instream® 9.3.0.

License File Information

A license file is no longer required to use TIBCO Foresight® Instream®.

Code Tables

HIPAA code tables, which only apply to TIBCO Foresight® Instream® Healthcare Edition only, are updated with each release and as needed (For details, see [Separate Code Table](#))

Updates).

New and Changed Features

This section lists features that have been added since the last major release of TIBCO Foresight® Instream®.

Change	Details
API	<p>Removed TIBCO Foresight® REST API section from API manual.</p> <p>.NET6, .NET7 and .NET8 support is added to the C# API in this release.</p> <p>For details, see <i>TIBCO Foresight® Instream® API</i>.</p>
Installation Guide	<p>The silent mode of installation is added in this release.</p> <p>Added JAVA 17 support for Foresight Instream.</p> <p>Support for RHEL 8.x is added in this release.</p> <p>For details, see <i>TIBCO Foresight® Instream® Installation Guide</i>.</p>
Response Generator	<p>A new Response Generator option, that requests loop and segment ID to be added as a substitution variable for all error messages, is added in this release.</p> <p>The guide is updated for gTA1 option.</p> <p>For details, see <i>TIBCO Foresight® Instream® Response Generator</i>.</p>
Validation Technical Manual	<p>In this release, handling of new dir.ini [Options] parameter MaxPassByMemoryMB is added.</p> <p>For details, see <i>TIBCO Foresight® Instream® Validation Technical Manual</i>.</p>

Deprecated Features

No features have been deprecated as of this release of TIBCO Foresight® Instream®.

Changes in System Requirements

There were no changes in platform support and other system requirements for the current release of TIBCO Foresight® Instream®. For a complete list of currently supported platforms and system requirements, refer to the Readme file.

Demo Changes

No changes and additions to the demos have been made in this release of TIBCO Foresight® Instream®. For more information, see *TIBCO Foresight® Instream® Demo Index*.

Code Table Changes

The tables in this section are current as of the release date for TIBCO Foresight® Instream® Release 9.3.0. However, after installation, it is recommended that you check for Code Table Updates. For details, refer [Separate Code Table Updates](#).

CCI Table Updates

i Note: CCI Tables apply to Foresight Instream Healthcare Edition only.

Foresight Instream Release 9.3.0 includes the following updates to CCI Tables. Some of these changes were originally released in the following interim CCI Table Updates: 9.2.0.1 through 9.2.0.8.

Table	Updated to this Version/Date
CMS CCI	Version 30.0, effective January 1, 2024

Core3 Code Combination Table Updates

i Note: Core3 Code Combination Tables apply to Foresight Instream Healthcare Edition only.

Foresight Instream Release 9.3.0 includes the following updates to Core3 Code Combination Tables. Some of these changes were originally released in the following interim Core3 Code Combination Table updates: 9.2.0.1 through 9.2.0.5.

Table	Updated to this Version/Date
Core3Code Combination	Version 3.8.1, released February 2024

Code Table Updates

Note: Code Tables apply to Foresight Instream Healthcare Edition only.

Foresight Instream Release 9.3.0 includes the following updates to Code Tables. Some of these changes were originally released in the following interim Code Table updates: 9.2.0.1 through 9.2.0.40.

Code Type	Updated to this Version/Date
APC	January 2024
CDT (Dental)	Annual 2024
CPT	January 2024
CPT Category I	January 2024
CPT Category II	January 2020
CPT Category III	January 2024
CPT MAAA	October 2023
CPT PLA II	January 2024
DRG	Annual 2024
HCPCS	January 2024

Code Type	Updated to this Version/Date
HCPCSModifier	January 2024
Health Insurance Exchange Related	August 1, 2019
HIPPS	Update V9, Oct 2019
ICD10Diagnostics	January 2024
ICD10Procedures	January 2024
NAIC	December 2023
POSCodes	September 2023
RemarkCodes	November 2023
UB-04	July 2023
X12	July 2023
Zip	July 2023

Guideline Changes

This section describes changes and additions to the HIPAA and Non-HIPAA guidelines provided with TIBCO Foresight® Instream®. For more information, see *TIBCO Foresight® Instream® Standards and Guidelines Reference Manual*.

New and Changed HIPAA Guidelines

Guideline	Change
HIPAA Guidelines 5010, Types 1-2, Errata	None at this time
HIPAA Guidelines 5010, Types 1-7, Errata	None at this time
HIPAA Guidelines PLUS 5010 Errata	The changes to the HIPAA guidelines listed in HIPAA Guidelines 5010, Types 1-7 Errata, are also included in the corresponding HIPAA "Guideline Plus" listed in this section.
X12-5010 before June 2010 Errata	Although still supported, these guidelines are no longer shipped with TIBCO Foresight products.

New and Changed Healthcare Guidelines (Non-HIPAA Mandated)

Guideline	Change
None	None

No Future Guideline Changes

See Appendix B for a listing of guidelines for which changes are no longer being incorporated.

Guideline Updates

A comprehensive listing of all guideline updates contained in this release of TIBCO Foresight® Instream® can be found in the document *TIBCO Foresight® Instream® Release Notes Addendum - Guideline Updates*.

Error Message File Changes

i **Note:** If you are using your own profiles, ensure that you run HVUpdate.exe. This ensures that your profiles are updated with all the latest error numbers and latest parameters. For more details, see *TIBCO Foresight® Instream® Validation Profile Files (APF)*. Some of these errors may apply to TIBCO Foresight® Instream® Healthcare Edition only.

Error message additions and/or changes resulting from guideline updates are now noted in the document *TIBCO Foresight® Instream® Release Notes Addendum - Guideline Updates*.

Other Installations and Miscellaneous

Separate Code Table Updates

After installation, it is recommended that you check for Code Table Updates. This ensures you have access to the most up-to-date Code Tables.

The code table database is available for download separately from the product installation. This allows TIBCO Foresight to provide code table updates between major releases of the product.

Updates are distributed through the TIBCO Support system. In order to receive automated emails when an update is available, you must subscribe to the products you are interested in.

To receive emails

1. Sign in to [TIBCO Support](#) using your credentials.
2. From the drop-down menu beside your user name, select Product Interests and Knowledge Base Subscriptions.
3. Click as desired to subscribe to products of interest.
4. Configure your subscriptions for those products.
5. Click Save Interests.

To download code table updates

1. Sign in to [TIBCO Support](#) using your credentials.
2. Go **Downloads > Hotfixes > Available Downloads**.
3. Click Foresight and select HIPAA_Code_Tables.



Note: Code tables with version 7.3.0 and later require the actual TIBCO Foresight® Instream® 7.3.0 or later version. You can check the TIBCO Foresight® Instream® version and the code table version by running the Version.bat file in the TIBCO Foresight® Instream®'s Scripts directory.

TIBCO Foresight® Studio

Foresight® Studio is a separate installation program with a separate Release Notes document. For more information, contact TIBCO Foresight Support.

TIBCO Foresight® Transaction Insight® Customers

TIBCO Foresight® Transaction Insight® customers who update TIBCO Foresight® Instream® must run one of the following scripts, to get new error definitions into TIBCO Foresight® Transaction Insight®:

- TI_ErrorUpdate_For_Instream_9.1.0.0_MSSQL.sql
- TI_ErrorUpdate_For_Instream_9.1.0.0_ORACLE.sql

These scripts are available in the TIBCO Foresight® Instream®'s Scripts directory (\Scripts\TI).

Closed Issues

This section lists the Closed Issues since the last major release of TIBCO Foresight® Instream®.

Release 9.3.0

The following issues were closed in release 9.3.0 of TIBCO Foresight® Instream®.

Change Request ID	Summary
FINS-2952	Added JAVA 17 support for Foresight Instream.
FINS-2893	5010-837X299 - Add ICD10Diagnositcs BusinessRule Logic that is in the 5010837I.
FINS-2790	Added a DocSplitter parameter, AddCRLFToDocumentEnd=0, to the Setup file.
FINS-2772	8020 RAS repeating element is not validated. The 8020 version introduced repeating element/composite for adjustment codes.
FINS-2726	Missing records in XML validation results when the value of STRUS=2 in APF file.
FINS-2721	The get278Info routine in msgControl.cpp to catch cases where the segment data is longer than the char buffer used for parsing.
FINS-2697	The ListContig function that handles the date ranges is not working properly. A new code is added to 'YYYYMMDD-YYYYMMDD' date format.

Change Request ID	Summary
FINS-2676	Response Generator created 824 loops out of order using the -fdo824x186 parameter.
FINS-2674	Response Generator 824 produces invalid file with invalid state code error. Fixed bug where missing EDAT caused an empty element to be added to the end of a TED segment.
FINS-2666	The custom report is not updating %ErrData% variable. The issue is fixed with the update in the guidelines.
FINS-2656	API DocSplitter is not writing out files when DS_EdiOutputOpt is set to OUTPUTBYFILE.
FINS-2572	When you split a file with no errors and changed XML split point, a different good file is produced. To resolve this, when you set up split points, ensure that all split points comes under parent split points.
FINS-2473	While configuring Log=ON, ISIServer creates ISIServer_log.txt. However, if you configure Log=log4j, ISIServer does not create ISIServer_log.txt.
FINS-2256	An error message is generated when starting value in range is greater than or equal to the ending value. Set the starting value to less than the ending value.
FINS-2255	HVInStream reports an error, but as a GEN record, not a DTL record.
FINS-2232	Sample FSRest.ini include characters which are not loaded by TOMCAT server.
FINS-2142	Inconsistency with profile setting AllowLeadingZerosInDRG and user table.
FINS-2022	Foresight Instream fails when using guidelines with lower-

Change Request ID	Summary
FINS-1962	<p>case letters on LINUX. Foresight Instream runs properly , if the guideline is modified with all the upper-case letters.</p> <hr/> <p>When the user process flat file, Foresight Instream fails to recognize end-of-file condition. This is because Foresight Instream is built using the Visual Studio 2012 (v110) platform toolset. The problem does not occur when Foresight Instream is built using the Visual Studio 2010 (v100) platform toolset.</p> <hr/>

Appendix A - Closed Issues for Previous Releases

Closed Issues for Previous Releases are retained in this document for one year. These tables are for reference only and contain no new or updated information.

Release 9.2.0 (March 2022)

Change Request ID	Summary
FINS-2177	Custom report .OVERRIDE is overriding a number not specified.
FINS-2238	278 document does not output data in the custom report from .DETAIL section.
FINS-2311	Extended character set used as acknowledgement segment terminator fails to be added to Response Generator 997.
FINS-2320	Not able to validate the XML file with STD.
FINS-2333	Client would like a custom report of Warnings only.
FINS-2362	Rework Instream CSEG records for XML validations.
FINS-2363	TPAutomation file fails to assign correct guideline when data includes TA1.
FINS-2377	Encrypt DSN information in dir.ini
FINS-2389	No ISIServer log messages when ISIServer stops handling

Change Request ID	Summary
	requests/responses to external endpoint.
FINS-2392	Request use of trailing slash with TPARouter with -p path.
FINS-2398	Customer report doesn't have data when HL segment is missing.
FINS-2428	Remove FSRest directory from Instream Installation.
FINS-2441	5010837P guideline producing blank custom report.
FINS-2443	CLONE - Merge with guidelines > meg or so hang, smaller file work fine.
FINS-2453	CLONE - segment ID shows "-0" sometimes.
FINS-2455	GLOBAL_FILENAME and GLOBAL_PATHNAME Variable not set in XML file.
FINS-2467	%MbrCustomRecord0% not populating in 864 report when there is a 2700 loop in the 834 data.
FINS-2510	Rules to run at end of element XML Business Rules reporting after STRUE.
FINS-2511	Request EDIwrap terminator (-t) set dynamically.

Appendix B - No Future Guideline Changes Listing

Changes are no longer being incorporated into these guidelines:

Guideline type	Guideline
HIPAA Guideline 4010	4010270.std
Non-Addenda	4010271.std
Types 1-7	4010276.std
	4010277.std
	41-278RP.std
	41-278RQ.std
	4010-820.std
	4010834.std
	4010-835.std
	4010837D.std
	4010837I.std
	4010837P.std
	PDSA820.std (removed from Document Splitter)
	PDSX820.std (removed from Document Splitter)
	PDSA835.std (removed from Document Splitter)
	PDSX835.std (removed from Document Splitter)
	PDSA837D.std (removed from Document Splitter)
	PDSX837D.std (removed from Document Splitter)
	PDSA837I.std (removed from Document Splitter)
	PDSX837I.std (removed from Document Splitter)

Guideline type	Guideline
	PDSX837P.std (removed from Document Splitter) PDSX837P.std (removed from Document Splitter)
HIPAA Guideline 4010 Addenda Types 1-7	B41A270 B41A271 B41A276 B41A277 41A278RQ 41A278RP B41A820 B41A834 B41A835 B41A837P (*CCI) B41A837D B41A837I
HIPAA GuidelinePlus 4010 Types 1-7 (PDSA)/ Types 1-2 (PDSX)	PDSA270/PDSX270 PDSA271/PDSX271 PDSA276/PDSX276 PDSA277/PDSX277 PDSX277U PDA278RQ/PDX278RQ PDA278RP/PDX278RP PDSA820/PDSX820 PDSA834/PDSX834 PDSA835/PDSX835 PDSA837P (*CCI)/PDSX837P PDSA837D/PDSX837D PDSA837I/PDSX837I PDSA997 4010-997
HIPAA 4050 Addenda	4050-275 4050-277

Guideline type	Guideline
Types 1-7	
HIPAA Guidelines 5010	5010-835-A0.std
Pre- Errata (pre-June 2010)	5010837DA1.std
	5010837IA1.STD
Types 1-7	5010837PA0.STD
Note: Until April 1, 2011, fixes required in the base guideline, and NOT due to a June 2010 Errata change, are updated. After April 1, 2011, no further maintenance of these guidelines are done.	5010-MEDICAREA-A1.STD
	5010-MEDICAREB-A0.STD
	PDSA5010835-A0.STD
	PDSA5010837D-A1.STD
	PDSA5010837I-A1.STD
	PDSA5010837P-A0.STD
	PDSA5010MEDICAREA-A1.STD
	PDSA5010MEDICAREB-A0.STD

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact 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 Foresight® Instream® 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.

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requests from within the [TIBCO Ideas Portal](#). For a free registration, go to [TIBCO Community](#).

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