TIBCO Foresight® Instream®

Release Notes

Version 9.2.0
February 2022

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Important Information about Instream Release 9.2.0

This section lists important information about the newest release of this product.

Inclusion of Healthcare Guidelines

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

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

API users

API users do not need to recompile their API code for Instream 9.2.0.

License File Information

A license file is no longer required to use Instream.

Code Tables

HIPAA code tables, which apply to Instream Healthcare Edition only, are updated with each release and as needed (For details, refer Separate Code Table Updates).

New and Changed Features

Change	Details
Business Rules - New feature	The option to encrypt DSN information in `dir.ini` file was added. For details, refer **TIB_fsp-instream_9.2.0_BusinessRules.pdf.**
Document Splitter	Added support for new option AddCRLFToDocumentEnd. AddCRLFToDocumentEnd=1 adds a line terminator after the X12/EDIFACT IEA/UNZ. For details, refer **TIB_fsp-instream_9.2.0_DocSplitter.pdf.**
EDIWrap - New mode " Dynamic Separator"	Dynamic Separator mode was added to the EDIWrap. For details, refer **TIB_fsp-instream_9.2.0_EDIWrap.pdf.**
Add ISError Refiner to Instream	ISError Refiner was added to Instream Standard and Healthcare editions. For details, refer **TIB_fsp-instream_9.2.0_UsersGuide.pdf.**
ISIserver	Additional logging was added to Instream to help debug ISIserver connection issues. For details, refer **TIB_fsp-instream_9.2.0_ISIserver.pdf.**
Response Generator - New Error Record Refinement Table	Error Record Refinement Table was added to the Response Generator. Support for Custom Reports of Warnings only (no errors) was added. For details, refer **TIB_fsp-instream_9.2.0_RespGen.pdf.**
TPA Router	Running TPARouter from the command line gives successful results with or without trailing slash in the file path. For details, refer **TIB_fsp-instream_9.2.0_TPARouter.pdf**.

Change	Details
XML at Foresight	The prefix ns: is added before the root element in INI file for splitting XML data. It is optional and is used only when it is set up in the schema. For details, refer **TIB_fsp-instream_9.2.0_XMLatForesight.pdf**.

Deprecated Features

This section describes deprecated features and lists equivalent features that accomplish the same result, if relevant. 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 equivalent feature.

None at this time.

Changes in System Requirements

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

Demo Changes

This section describes changes and additions to the demos provided with Instream. Refer to **TIB_fsp-instream_9.2.0_DemoIndex.pdf** for more information.

None at this time.

Code Table Changes

The tables in this section are current as of the release date for Instream Release 9.2.0. However, after installation, it is recommended that you check for Code Table Updates. For details, refer Separate Code Table Updates.

CCI Table Updates

Note: CCI Tables apply to Instream Healthcare Edition only.

Instream Release 9.2.0 includes the following updates to CCI Tables. Some of these changes were originally released in the following interim CCI Table Updates: 9.1.0.1 through 9.1.0.4.

Table	Updated to this Version/Date
CMS CCI	Version 27.3, effective from October 1, 2021 through December 31, 2021

Core3 Code Combination Table Updates

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

Instream Release 9.2.0 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: 9.1.0.1 through 9.1.0.5.

Table	Updated to this Version/Date
Core3Code Combination	Version 3.6.5, released October 2021

Code Table Updates

Note: Code Tables apply to Instream Healthcare Edition only.

Instream Release 9.2.0 includes the following updates to Code Tables. Some of these changes were originally released in the following interim Code Table updates: 9.1.0.1 through 9.1.0.31.

Important: TIBCO Foresight's license agreements with some code set vendors prevent us from listing specific updates.

Code Type	Updated to this Version/Date
APC	October 2021
CDT (Dental)	Annual 2022
CPT	October 2021
CPT Category I	January 2022
CPT Category II	October 2021
CPT Category III	January 2022
CPT MAAA	October 1, 2021
CPT PLA II	October 2021
DRG	Annual 2022
HCPCS	October 2021
HCPCSModifier	October 2020
Health Insurance Exchange Related	August 1, 2019

Code Type	Updated to this Version/Date
HIPPS	Update V9, Oct 2019
ICD10Diagnostics	October 2021
ICD10Procedures	October 2021
NAIC	June 2021
NUBC	Annual October 2021
POSCodes	October 2021
RemarkCodes	November 2021
UB-04	Annual 2022
ValueCode	January 2021
Zip	May 2021

Guideline Changes

This section describes changes and additions to the HIPAA and Non-HIPAA guidelines provided with Instream. Refer to the document **TIB_fsp-instream_9.2.0_ GuidelinesReference**.

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 Instream can be found in the document TIBCO Foresight® Instream® Release Notes Addendum - Guideline Updates (**TIB_fsp-instream_9.2.0_GlAddendumRelNotes.pdf**).

Error Message File Changes

Note: If you are using your own profiles, please make sure you run `HVUpdate.exe`. This will ensure that your profiles are updated with all the latest error numbers and latest parameters. See **TIB_fsp-instream_9.2.0_TIB_fsp-instream_n.n.n_APF.pdf** for details. Some of these errors may apply to 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 (**TIB_fsp-instream_9.2.0_GlAddendumRelNotes.pdf**).

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. Select Downloads > Hotfixes > Available Downloads.
3. Click on Foresight.
4. Select HIPAA_Code_Tables.

Note: Code tables with version 7.3 and later require the actual Instream 7.3 or later program. You can check the Instream version and the code table version by executing the Version.bat file in Instream's Scripts directory.

TIBCO Foresight® Studio

Foresight® Studio is a separate installation program with a separate Release Notes document. Please contact TIBCO Foresight Support for details.

TIBCO Foresight® Transaction Insight® Customers

Transaction Insight® customers who update Instream need to run one of the scripts below to get their new error definitions into TI:

- 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 Instream's Scripts directory (\Scripts\TI).

Closed Issues

Instream Release 9.2.0

Change Request ID	Summary
FINS-2177	Custom report .OVERRIDE is overriding a number not specified.
FINS-2238	278 document doesn't 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 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.

Change Request ID	Summary
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 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.

Instream Release 9.1.0 (August 2020)

Note: Instream Release 9.1.0 includes changes originally contained in Release 9.0.0 Hotfix 1

Change Request ID	Summary	Originally contained in a Release 9.0.0 Hotfix?
FINS-1407	(Response Generator) New 834 custom report variable ReferenceID for BGN02 field was added.	No
FINS-1524	(APF) Buffer and range were increased for APF parameter UserCharacterSet.	No
FINS-1534	(Validation Highlighter) Missing LibraryLinks folder 300 was restored.	No
FINS-1535	(Validation Highlighter) Missing LibraryLinks folder 299 was restored.	No
FINS-2059	(Business Rules) An issue that occurred when running DBQuery as part of a comparestring command has been corrected.	No
FINS-2078	The Instream validation engine now matches	Hotfix 1

Change Request ID	Summary	Originally contained in a Release 9.0.0 Hotfix?
	data with alternate segments when the first qualifier element of the segment is marked 'Not Used'.	
FINS-2093	An issue causing Instream to exit unexpectedly when validating XML File with nested loop and no trigger segment has been corrected.	No
FINS-2098	VS2015 DLLs were added to Instream.	No
FINS-2105	An issue causing a 999 Validation error when 2300-CLM01 is missing has been corrected.	No
FINS-2107	The DSR/SVALU operation is now working as expected for XML files.	No
FINS-2113	An issue causing Instream to create an erroneous GEN 17021 record for flat file document type has been corrected.	No
FINS-2114	(Document Splitter) Document Splitter was updated to better handle the UTF-8 BOM when parsing a flat-file.	No
FINS-2133	(Response Generator) Custom reports now reset .FILEHEADER after writing the .FILETRAILER.	No
FINS-2135	(Response Generator) User documentation was updated to clarify that custom report section .DETAIL is required.	No
FINS-2144	(Response Generator) The 270 custom report demo file, RGtemplate270.txt, was updated to	No

Change Request ID	Summary	Originally contained in a Release 9.0.0 Hotfix?
	remove unsupported report variables.	
FINS-2145	(Response Generator) Custom report .FILEHEADER/.FILETRAILER sections were not working as expected for all supported document types.	No
FINS-2154	(Response Generator) Custom report .OVERRIDE section was not working as expected for all supported document types.	No
FINS-2161	A buffer overrun issue caused by X12 GS08 values that start with over nine decimal characters has been corrected.	No
FINS-2163	(Response Generator) Parameter -fdostrict999 now works as expected with the 270-X279.std ISA06/08.	No
FINS-2165	Instream installation was updated to correct liblinks unpacking problem.	No
FINS-2169	(Response Generator) Parameter -fdo824x186 now works as expected with the 5010834X318.std.	No
FINS-2177	Custom report .OVERRIDE is overriding a number not specified.	
FINS-2182	User documentation was updated to provide additional information regarding the ending position of STRUE in the results file.	No

Change Request ID	Summary	Originally contained in a Release 9.0.0 Hotfix?
FINS-2186	(ISIServer) The ISIServer's startISIServer.bat and shutdownISIserver.bat files were modified to handle cases where the ROOT directory name/path contains embedded spaces.	No
FINS-2190	(ISIServer) ISIServer now uses Apache Log4J 2 version 2.11.	
FINS-2238	278 document doesn't output data in the custom report from .DETAIL section.	
FINS-2251	(API) An issue with the C# API was addressed.	No
FINS-2311	Extended character set used as an acknowledgment segment terminator fails to be added to Response Generator 997.	
FINS-2316	DocSplitter put each interchange on its own line in split file.	
FINS-2320	Unable 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	

Change Request ID	Summary	Originally contained in a Release 9.0.0 Hotfix?
FINS-2389	No ISIServer log messages when ISIServer stops handling 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	Remove FSRest directory from Instream Installation.	
FINS-2443	CLONE - Merge with guidelines > meg or so hang, smaller file work fine..	
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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 Non-Addenda Types 1-7	4010270.std 4010271.std 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) PDSX837P.std (removed from Document Splitter) PDSX837P.std (removed

Guideline type	Guideline
	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 Types 1-7	4050-275 4050-277

Guideline type	Guideline
HIPAA Guidelines 5010 Pre- Errata (pre-June 2010) Types 1-7 **Note:** Until April 1, 2011, fixes required in the base guideline, and NOT due to a June 2010 Errata change, were updated. After April 1, 2011, no further maintenance of these guidelines will be done.	5010-835-A0.std 5010837DA1.std 5010837IA1.STD 5010837PA0.STD 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

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Documentation for TIBCO products is available on the TIBCO Product Documentation website, mainly in HTML and PDF formats.

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

Documentation for TIBCO Foresight® Instream® is available on the TIBCO Foresight® Instream® Product Documentation page.

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- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support website.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to TIBCO Support website. If you do not have a user name, you can request one by clicking **Register** on the website.

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