iSTREAM 4.2.0 PTF set P420260932

Special Instructions

This is the PTF set for iSTREAM V4R2M0 baseline editions. It can be used to correct program defects and upgrade iSTREAM functionality to the level of V4R2M0 Function Pack 1.

PTFs 7S54153, 7S54067 and 7S54039 implement changes to the iSTREAM PTF installation process and should not be loaded or applied as part of a group.

PTF 7S54083 can only be applied individually, as it requires additional actions to be performed after the installation (see cover letter for details).

PTF 7S54056 is superseded by 7S54058 and should only be used, if no PTFs implementing LOB functionality are planned to be applied.

IBM i OS has to be at least at the V7R3M0 level.

Documentation for Finastra Equation iStream RWA PTF should be obtained from iBoost Systems directly.

PTF ID	Option	Group	Description
7S54164	*BASE		"CPD0085 Range of parameter TGTRLS does not include V0R0M0. CPD680B Error detected in prompt override program command string." messages generated when prompting CHGISTDFT command.
7S54163	*BASE		iSTREAM installation may fail with CPF1015 message in ISTVVAL program due to CRCVTGREL data area missing in ISTSSYS library.
7S54162	5		SYSMON job does not always clear SYSMONJOB data area in ISTVBWRK library on exit, and ENDISTSBS command takes longer than expected time to complete.
7S54161	1	*HYPER	Flash backup fails to process commands to an error in CRCVCM5 program that calls CRCVWA1 program with an incorrect parameter list.
7S54160	4		CMPSPTDFN processor fails when requested to process *ALL definitions.
7S54159	7		Replication program release signature check added to the replication compilation process.
7S54158	7		Compilation process fails if CRCECF1 index is not found in the replication control library.
7S54157	7		Compiled replication programs are signed using iSTREAM release identifier.
7S54156	*BASE		CRCVOPL "search for object in *LIBL" program has been rewritten to use a QSYS2 table function.
7S54155	3		ROLLBACK menu has been updated to include rollback-related options earlier callable from ISERV menu.

7S54154	*BASE		ISERV menu has been updated to remove rollback-related options.
7S54153	*BASE		When PTFs from a group are already loaded APYISTPTF command processor fails to apply them when processing this group with the APPLYSPS parameter value set to *YES.
7S54152	7		FILRPL menu has been renamed to ISYNC; an option for WAITRPLRQS command has been added.
7S54151	*BASE		ISTREAM main menu has been updated to use the new name ISYNC for the file data replication menu.
7S54150	7		Sync processes with the error status to be shown in pink on the DSPFILSYN screen, if the error is being monitored and the self-correcting monitor server job is active.
7S54149	7		Attempts to prune requests from DSPFILSYN screen end in CPF4101 error when the flash function has not been initialised for the unit.
7S54148	1		Attempts to prune requests from DSPFLSRQS screen end in CPF4101 error when the flash function has not been initialised for the unit.
7S54147	*BASE		After the application of 7S54139 PTF an attempt to execute STRFILSYN command ends with the message RCV9899 Checkpoints with names from the replication checkpoint namespace cannot be created by unauthorised programs.
7S54146	7		Restart of a group ends in error. The message in the joblog is SQL0502 Diagnostic message: cursor C1 already open or allocated.
7S54145	1		Prune function on DSPFILSYN screen not working properly.
7S54144	7		RESET operation for file or group may end with an error due to CPF3773 message indicating warnings during the RESTORE operation.
7S54143	7		This PTF includes a new self-correcting replication monitor function (2 of 2).
7S54142	7		This PTF includes new self-correcting replication monitor function (1 of 2).
7S54141	7		This PTF delivers foundation objects for the self-correction monitor feature (2 of 2).
7S54140	7		This PTF delivers foundation objects for the self-correction monitor feature (1 of 2).
7S54139	7		STRFILSYN command cannot be used to start a file sync process with the previously configured INCRRN value.
7S54138	4		Internal split object cache is incorrectly used by CMPSPTDFN processor. As a result, repeated compilations may yield incorrect results and lead to runtime errors including recursive program calls.
7S54137	7	*HYPER	RGZPFM operations are now processed by the sync server jobs. When a RGZPFM operation is

			detected, an error condition is raised that requires sync reset.
7S54136	5		PI command PKGCOLDTA has been modified to optionally save data to the release of the OS specified by TGTRLS system value.
7S54135	7		CMPRPLUNT command can now be used to compile objects to the release of the OS specified by TGTRLS iSTREAM system value.
7S54134	4		CMPSPTDFN command can now be used to compile objects to the release of the OS specified by TGTRLS iSTREAM system value.
7S54133	2		CMPCMDTFM command can now be used to compile objects to the release of the OS specified by TGTRLS iSTREAM system value.
7S54132	*BASE		iSTREAM commands SAVUNTCFG and RQSUNTDMP have been modified to optionally save data to the release of the OS specified by TGTRLS system value.
7S54131	*BASE		This PTF adds iSTREAM system value TGTRLS for use by release-sensitive commands.
7S54130	*BASE	*EQDFT	Finastra Equation handshaking functions. Work management configuration.
7S54129	*BASE		CRCVMA4 program for unit configuration values retrieval added.
7S54128	*BASE		CPYUNTCFG command and processor have been created in order to allow copying of the entire unit configuration and creating a new unit based on a template.
7S54127	3	*HYPER	A client is encountering the following error frequently during CRCVRGZ RGZPFM) processing: Message . . . . : CPF3770 received by CRCVRGZ at 33300. (C D I R)
7S54126	4		Description for DFNMSFSPC parameter UNKEYS to be updated for clarity.
7S54125	*BASE		It has been observed that when a synchronisation service job for a group is starting significant amount of time is spent in CRCVLRT program checking tables for LOB columns.
7S54124	7		It has been observed that when a synchronisation service job for a group is starting significant amount of time is spent in CRCERFL program checking file field properties.
7S54123	7		RESET operation for file or group may end with an error due to CPF3773 message indicating warnings during the RESTORE operation.
7S54122	7		It is required to be able to include more than 255 files into a single replication processing stream. Part 3.
7S54121	7		It is required to be able to include more than 255 files into a single replication processing stream. Part 2.
7S54120	7		It is required to be able to include more than 255 files into a single replication processing stream. Part 1.
7S54119	*BASE		RCV1394 message text contains incorrect

			maximum number of files per replication stream.
7S54118	*BASE		Licence for PDM is no longer left requested before the invocation of WRKMBRPDM command. PDM, therefore, does not generate CPF9E79 message on exit.
7S54117	4	*HYPER	If ALIAS is used for AUTO breakdown logical file, LABEL statements generated for DDL object are incorrect and creation of a service view in QTEMP fails at runtime.
7S54116	4		New special value *FILE added to UNKEYS parameter of DFNMSFSPC command. Master file may be deleted by DFNMSFSPC command processor when it is executed to add a non-existent DDL object. DFNMSFSPC processor corrupts ALIAS parameter for master file defined earlier.
7S54115	1		Parameter TYPE added to WAITFLSRQS command allowing to wait for all non-replication processes active in the flash subsystem. This parameter can be specified with SCOPE(*UNIT) and SCOPE(*JOB) only.
7S54114	2		Command transformation prefix "++" can now be used to remove command parameters, if parm() function is coded in the target command area.
7S54113	4		Code for multistreaming objects will be generated at compilation time. Necessary service objects, e.g. VFMS files and additional permanent indexes, will also be created at compilation time. DFNSPTPRM and DFNMSFSPC commands will only check conditions and store parameter vales entered.
7S54112	*BASE		Failure to delete ISTVCMD2 file in ISTVQS library at installation.
7S54111	*BASE		End of file detected for file ISTVCMD in ISTVQS. Operation not successful for ISTVCMD in ISTVQS type *FILE. Cannot delete file or member of file ISTVCMD in ISTVQS. Function check. CPF3219 unmonitored by CRCVRUC at statement 0000015200, instruction X'0000'.
7S54110	1		Prune function ends in error when no flash server jobs are running.
7S54109	7		Invocations of the replication monitor removes request messages, so F9 functionality can no longer be used from the command line.
7S54108	2		Command transformation compilation process does not generate printer output.
7S54107	*BASE		Command transformation errors related to specifying a non-existent target command may cause errors with unclear symptoms in command transformation processor.
7S54106	*BASE	*HYPER	Command transformation may fail due to uninitialised internal variables.
7S54105	4		After the compilation of a split the multistreaming services objects are rechecked and updated, as they would be during the first

			invocation of a split.
7S54104	4		Stream control program generation error. Streams may appear to be hanging in LCKW state.
7S54103	2		Command transformation prefix "++" can now be used not only to add but also to replace parameters of the command being transformed.
7S54102	*BASE		Message description of RCV9899 message is missing in the ISTSSYS system message file.
7S54101	4		Additional diagnostics. Generic breakdown cannot be used on the first level of a hierarchical split definition.
7S54100	4		Multistreaming initialisation fails in program CRCSSPC due to CRCS activation group having been reclaimed by one of the SPLIT menu option processors.
7S54099	4		File CRCSPARM remains open after LSTSPTRNG and CPYSPTRNG command execution.
7S54098	4		File CRCSPARM remains open after DFNSPTRNG and INZSPTRNG command execution.
7S54097	4		File CRCSPARM remains open after DFNMSFSPC and LSTSPTDFN command execution.
7S54096	4		File CRCSPARM remains open after DFNSPTPRM and CMPSPTPRM command execution.
7S54095	4	*HYPER	When 2-level multistreaming breakdown is defined with *AUTO balancing requested for the second level, streams fail with SQL0203 error ("Name xxxxxxxxxx is ambiguous.").
7S54094	4		DFNMSFSPC processor generates incorrect RCV1175 diagnostic when *LIBL qualifier is used for a master file defined using a specific library name. DDL object cannot be created in a library different from that of the underlying physical file/table.
7S54093	4		INZSPTVAL processor has been enhanced with *12MULT breakdown initialisation method.
7S54092	4		INZSPTVAL-generated breakdown for *ALL streams on the *SECOND level is stored under a wrong name in the breakdown file and not visible.
7S54091	4	*HYPER	"Command SYSVAL in library *LIBL not found. Error found on SYSVAL command. Errors occurred in command. Function check. CPF0006 unmonitored by CRCSPUI at statement 0000016100,instruction X'0000'. CPF0006 received by procedure CRCSPUI. (C D I R)" messages received by stream control jobs.
7S54090		*HYPER	Compilation for stream control program fails due to incorrect member name specified on ALCOBJ command for *TABLE or *VIEW definition.
7S54089	7		The PTF delivers multiple improvements to the DSPFILSYN monitor interface.
7S54088	1		ENDFLSSBS command allowing to end the flash subsystem for a unit introduced.
7S54087	7		Errors while attempting to add an extent to file will now be processed consistently with other types of WRITE errors (PTF 2 of 2).

7S54086	7		Errors while attempting to add an extent to file will now be processed consistently with other types of WRITE errors (PTF 1 of 2).
7S54085	*BASE		Advised indexes created for ISTVCMD file in ISTVQS library.
7S54084	7		When INCRRN value for the file being replicated is set to 0, OVRDBF command is still used to define output operations to this file as sequential. This may cause replication failures with reason codes 3 and 4 in replication server jobs.
7S54083	1		Flash subsystem descriptions created by iSTREAM components are updated with additional configuration for iSYNC jobs.
7S54082	5		OSMDF parameter added to PKGCOLDTA command allowing to save collection data for restore by earlier releases of the operation system.
7S54081	*BASE		The behaviour or CRTCKP command processor is modified to use FCOMMIT parameter value irrespective of the commitment control level, job or activation group.
7S54080	7		File replication of j-type timeouts when ending *CNTRLD on systems with journal caching switched on.
7S54079	*BASE		Licence text acceptance during the installation of the LP added.
7S54078	7		If the status code of a failed sync process is "N", it may not restart correctly.
7S54077	4		Errors may occur during multistreaming with override processing due to spurious data in DSPOVR printout.
7S54076	7		If replication for a file or a stream is restarted with reset while the files are being updated, intermediate updates may be lost. The same may happen at journal receiver swap.
7S54075	7	*HYPER	Receiver value too small to hold result. MCH1210 unmonitored by CRCESE1 at statement 0000000394, instruction X'0000' when compiling replication while keeping the number of streams unchanged.
7S54074	*BASE		*BASE "VLOxxxxxx" files, as well as "Spool data" files are not removed during the cleanup process.
7S54073	7		Help text for PRSRPLUNT command updated to correct a typo.
7S54072	5	*HYPER	IBM Performance Collector is not stopped at the end of profiling.
7S54071	2		Debug message queue (CRCVOP2) overflow (CPF2460-CPF2469) errors cause CCT operation to fail.
7S54070	*BASE		If a command is specified as target for CCT user-defined transformation and also as a command subject to flash-transformation, the latter may not be performed.
7S54069	*BASE		Enhanced diagnostics for CCT programs.
7S54068	6	*HYPER	"SQL0440 Routine ISTVFIX_41 in ISTSSYS not found with specified parameters."

			message generated when attempting to install a new PTF set using the Windows front end of iSTREAM.
7S54067	*BASE	*HIDDEN	Extended diagnostics for the APYISTPTF processor.
7S54066	7	*HYPER	Rollback journal codes are incorrectly processed by replication servers (3 of 3).
7S54065	7	*HYPER	Rollback journal codes are incorrectly processed by replication servers (2 of 3).
7S54064	7	*HYPER	Rollback journal codes are incorrectly processed by replication servers (1 of 3).
7S54063	*BASE		Too many licence expiration warnings sent to QSYSOPR message queue.
7S54062	5		COLLECTION parameter of STRQCOL command is not mandatory. This may cause errors submitting the collect for.
7S54061	5		PI SYSMON fails with "SELHOT" dump generated, if multiple jobs with the same number are active in the system.
7S54060	*BASE	*HYPER	Licence expiration warning messages contain incorrect data.
7S54059	7	*HYPER	Sync server processes fail with error code 1 when encountering journal entries of type UR. The PTF also introduces explicit control over the choice of journal-based replication option: buffered or unbuffered.
7S54058	7	*HYPER	On systems with active parallel input into the files being replicated the j-type sync algorithm causes the records added during the replication to sometimes have RRNs different from those in the source files. As a result, subsequent DELETE and UPDATE operations for those records fail with the "RNQ0012 No record found" message.
7S54057	7		"Value ' ' for parameter FILE not a valid name. Error found on INZPFM command. Function check. CPF0001 unmonitored by CRCEINE at statement 0000009212,instruction X'0000'." Message in the sync processor job.
7S54056	7	*HIDDEN	On systems with active parallel input into the files being replicated the j-type sync algorithm causes the records added during the replication to sometimes have RRNs different from those in the source files. As a result, subsequent DELETE and UPDATE operations for those records fail with the "RNQ0012 No record found" message. (Temporary)
7S54055	*BASE		Locks are not removed from ISTVCMD file in ISTVQS library at the end of CCT enabling and disabling functions.
7S54054	5		DBFULLOPN query generates incorrect results.
7S54053	7		WAITRPLRQS command ends normally when there are active replication jobs on the queue. This may cause premature ending of ENDRPLUNT command.
7S54052	*BASE		CRTCKP command processor is not aligned to the documented FCOMMIT parameter control of

			CRTCKPRLB command.
7S54051	*BASE		STRISTMOD command prompting may result in multiple CPF9801 messages for CRCVOPx data area objects appearing in the job log.
7S54050	*BASE		CPF4326 escape message at statement 157 of CRCVUCK program when attempting to create a checkpoint for rollback.
7S54049	7		User exit CRCEUSR2 enablement.
7S54048	7		STRQMQRY command failed. Function check. QWM2701 unmonitored by CRCEADS at statement 0000002437, instruction X'0000'. Message received when processing ADDSYNDFN command.
7S54047	7		Command title of RESGRPSYN command is incorrect.
7S54046	7		File CRCECFG remains open on exit from DSPFILSYN monitor.
7S54045	7		File CRCECFG remains open after the completion of an iSYNC function.
7S54044	7		The PTF includes the command interface for CRCECKP program used to create iSYNC checkpoints.
7S54042	7		The message list in panel CRCE00G (DFNRPLUNT) is incomplete.
7S54041	*BASE		iSTREAM CLRPFM processor (CRCVCM8 module) may fail due to locks being held for the target file member.
7S54040	*BASE		An extra parameter added to CRCVCL1 program used by CLRPFM processor.
7S54039	*BASE	*HIDDEN	APYISTPTF command processor ignores the value of POPT parameter.
7S54038	7		This PTF includes replication runtime components providing support for LOB table repl. of j-type.
7S54037	7		This PTF includes replication runtime components providing support for LOB table repl. of j-type.
7S54036	7		This PTF includes replication runtime components providing support for LOB table repl. of j-type.
7S54035	7		This PTF includes replication runtime components providing support for LOB table repl. of j-type.
7S54034	7		This PTF includes replication runtime components providing support for LOB table repl. of k-type.
7S54033	7		This PTF includes replication runtime components providing support for LOB table repl. of k-type.
7S54032	7		This PTF includes replication runtime components providing support for LOB table repl. of k-type.
7S54031	*BASE		This PTF includes new internal LOB-column related APIs.
7S54030	7		"Application error. CPF1015 unmonitored by CRCEFER at statement 0000000357, instruction X'0000'. The call to *LIBL/CRCERST ended in

			error (C G D F)." message received by replication server job.
7S54029	7		"Value 'CRCVCFG* ' for parameter OBJ not a valid name. Error found on CHKOBJ command. Function check. CPF0001 unmonitored by CRCVRTN at statement 000001100 instruction X'0000'." when attempting to reset a replication agent from DSPFILSYN screen.
7S54028	*BASE		Program CRCVRT8 does not check for the value of UNIT variable. Therefore, processing errors may not be properly diagnosed.
7S54027	7		Application error. CPF7073 unmonitored by CRCESYQ at statement 0000000363, instruction X'0000'.
7S54026	5		PI SYSMON submits a profiler for QFILESYS1 job and never ends it.
7S54025	*BASE		Job date, rather than system date, is used for licence expiration warning messaging and calculation of the grace period - now fixed.
7S54024	5		This PTF introduces STRQCOL queue depth collector. It works similarly to STRDTAQCOL collector, but can collect information for both data queues and user queues.
7S54023	7		File name and library name parameters in CRCESTI and CRCESTS APIs can be specified using SQL-style wildcards: underscore (_) character for a single wildcard character and percent sign (%) for multiple wildcard characters. Multiple rows of CRCECFG table therefore can be updated with a single API call.
7S54022	7		When replication is started with PRESET(*NO) parameter all checkpoint types to be used by the replication process (DUM, CYC, END and STR) are created to prevent IBM APIs from failing to deliver journal updates to replication agents jobs.
7S54021	*BASE		CRTCKP command, contrary to the design, adds @LAST checkpoint every time a replication checkpoint for the current set is created.
7S54020	5		If an agent fails to start the requested performance collector, it attempts to self-terminate and fails trying to end DBMON.
7S54019	5		LPAR licensing information is now saved in LPARINF data area in collection library.
7S54018	4		DFNSPTPRM processor unnecessarily requires master file library to have PROD attribute.
7S54017	7		RCV134C escape message generated when attempting to start a replication process.
7S54016	7		This PTF implements record buffering control for data replication of j-type.
7S54015	7		This PTF delivers co-requisite functionality for the new j-type replication control of the buffering used to add records to target files.
7S54014	7		After installation of iSTREAM 4.2.0 over release 4.1.2 source file members for files CRCESR* are not replaced causing iSTREAM

			system corruption. (See PTF cover letter for detail).
7S54013	7		Compilation message text has been updated for consistency.
7S54012	7	*HYPER	Re-distribution of replication source templates for installations where iSTREAM 4.2.0 has been slip-installed over 4.1.1 or 4.1.2.
7S54011	7		This PTF includes LSTRPLSET command and processor for displaying or printing the list of replication sets defined for the given unit.(OS V7R4M0 is a pre-requisite for the function delivered).
7S54010	*BASE		An option to invoke LSTRPLSET command (delivered as part of PTF 7S54011) has been added to ADMIN menu.
7S54009	7		An option to invoke LSTRPLSET command (delivered as part of PTF 7S54011) has been added to ADMIN menu.
7S54008	7		Help text for DFNRPLUNT command updated to correct a typo.
7S54007	7		FILRPL menu has been updated for consistency.
7S54006	7		The text in CRCEDRD and CRCEDRH display files has been updated for clarity.
7S54005	2	*HYPER	An attempt to execute command ENACMDTFM ends with RCV1212 message due to ISTVQS/ISTVCMD file currently allocated for *SHRUPD by another job.
7S54004	*BASE	*EQDFT	iBoost RWA for Finastra Equation.
7S54003	2	*HIDDEN	ROBOT/SAVE support for Finastra Equation.
7S54002	2	*HIDDEN	BRMS support for Finastra Equation.
7S54001	*BASE	*EQDFT	Finastra Equation handshaking.