

BIS 3.10 (update 17.01.2017)

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3.10 Features

All	windows 10 and 8.1 - certified New Installer certified for x32 and x64 windows platforms Informix – 12.10 and client-sdk/ODBC driver – certified Oracle – 12c Server and Clients/ODBC - certified Print Preview improved the charts/pictures/text resize/move New serial numbers required to run the v3.10 version. Upgrade of serial numbers during BISinit or BisAdministrator execution New help implementation
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3.9 Features

BIS Navigator BIS Executive	Added the capability to export data and charts to OpenOffice Calc or Writer
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3.8 Features

BIS Package	From 3.8.16 added Support for Windows 8
BIS for Excel	Support for Excel 2010 (VBA7) 32 bits added Note: Installation done from Bis4Excel2010 folder included in the installation package
BIS Navigator BIS Executive BIS for Excel	New System Dimension Filter Parameters available for Data Access restriction UserName: Returns the Name of the user UserLogin: Returns the user Login Note: See Navigator or Executive manuals for additional information.
BIS Navigator BIS Executive	Added the possibility to search for a specific Cell Value in the Results Grid. Note: See Navigator or Executive manuals for additional information.
BIS Navigator	It is possible to undo the data set filtering operation on lines without the re-execution of the query

BIS Executive	against the database. Note: See Navigator or Executive manuals for additional information.
BIS Navigator BIS Executive	The bottom status bar now indicates the selected row/column.

3.7 Features

BIS Navigator BIS Executive BIS for Excel	- Limits of Result Set Grid were fully removed. - Performance for some data manipulation functions was tuned. - Error in BIS for Excel after using Options form was fixed. Known limitations: The New Grid object limits depends only on the workstation available memory. The maximum virtual memory (VM) a process can address in Windows 32 bits is 2 GB. Tests done with 500.000 lines by 3 columns and 1 fact used a maximum of 360 MB memory. The full process time, including 1 crossing column with 12 distinct values, took less than 3 min to get data from DB, populate, format and present data in the result set grid. Some Microsoft Office versions have limits for same operations Export to Word 2003: Message: The Number must be between 1 and 32767 Pivoting in Excel 2003: Excel 2003 is not able to do pivoting with more than 32k rows Excel 2003 sheet has a limit of 65k rows.
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3.6 Features

BIS Navigator BIS Executive BIS for Excel	Internal Hard Coded Limit of 32000 rows on queries and reports were removed. However some BIS-Navigator objects still have memory limits and Microsoft Office 2003 operations are limited to 32767 rows limit. Known limitations: BIS Navigator error when number of cells in grid are more than 300.000: Run-time error '30006': Unable to Allocate Memory For Flex-grid Export to Word 2003: Message: The Number must be between 1 and 32767 Pivoting in Excel 2003: Excel 2003 is not able to do pivoting with more than 32k rows
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3.5 Features

BIS Web Services	The first version of BIS Web Services is available as a pre-deployment in a Glassfish J2EE Server for Windows and Linux/Unix environments. See BIS Web Services documentation for installation and use.
BIS Architecture	Version 3.5 allows the BIS Administrator to define Executive Reports that are also accessible through WEB SERVICES. Navigators are allowed to run Ad-Hoc Web Service Queries. See Web Services section of BIS Administrator manual.
BIS Architecture	BIS Tools are certified for Windows 7.

3.0 Features

BIS Architecture	Since 3.3.0.8 it is possible to change the user BIS password. See the "How to Change BIS Password" document in the Manuals folder of the BIS SW media.
BIS Architecture	The BIS tools can now work with one of the following supported Databases: IBM DB2 v8; IBM Informix IDS v9.2 or above; Oracle 9.2.0.6 or above; SqlServer 2000 and 2005. See the Installation and Upgrade manuals, specific for your Database type.
BIS Init	The initial creation and upgrade of the BIS Database Schema is now done only with the BISinit.exe tool. NOTE: Starting from BIS v3.0 the BIS database tables' schema MUST NOT be changed directly in the database. The BIS SQL Schema templates provided in the Schema folder MUST NOT be changed manually.
BIS Navigator BIS Executive	A Result Set can now include more than one UDF.
BIS Navigator	A new Scripting engine and Script editor, that allows complex scripting in the User Defined Functions (UDF), is now

	available. The pre version 3.0 one line basic function syntax is still supported. The Scripting engine provides a Visual Basic subset syntax. It can be used for complex calculation and as a warning mechanism using the msgbox command. The passed and returned values can be strings or numeric. After creating or modifying a script is possible to validate it. The validation verifies the syntax and tests the script against the first data row of the result set. See the BIS Navigator manual for detailed information about the usage of the UDF scripting.
BIS Init Administrator Schema Merger	It is possible to upgrade the reports to version 3.0 definition.
All Tools	A new s4it.cfg file, created with the BISinit.exe tool, containing information specific for the database, must be copied to every workstation where BIS tools are used.
Designer	In the Attributes it is possible to visualize the contents of 100 rows of the dimension table, in order to view the user interface type of data.

Fixed in 3.10 releases

F310.f005 - 170117	Navigator .24 Executive .23 Admin .16	In screens with more than 32768 TWIPS the application crashes with a runtime overflow at startup
F310.f001	Init	The creation of the table cs_exec_folders was failing on informix, due to invalid length of the WebService column
F310.f002	Navigator Executive	Export to Excel failed due to lack of permissions in the program files folder during the creation of the macro load file
F310.f003	Bis for Excel	Bis for Excel add-in updated to have user independent settings. Reads initial settings from Program Files installation folder and modifications are saved in user local folder
F310.f004	Navigator Executive	Print Preview - when charts/pictures/text are resized/moved for the first the the zoom is not applied to these objects

Fixed in 3.1-3.9 releases

F393X002	Navigator, Executive,	Sort on Numeric Strings were done as Generic Sort instead of String Sort
F393X001	Navigator, Executive,	cells' format was lost when changing page in a multi page report
F392X003	Navigator	The sample area was not visible during ad-hoc query creation, due to hidden error.
F392X002	Navigator, Executive,	UDF operation not correctly calculated for locale settings distinct from US
F392X001	Navigator, Executive,	Column Alignment not applied as per column format.
F391X001	Navigator	Runtime error '30010' Invalid column value When trying to access the format of a column in the Ad-Hoc query panel before the first execution of the query.
F3817X002	Navigator, Executive,	Query with outer join on fact generates a wrong SQL query
F3817X001	Navigator	Run-Time Error 3 When minimizing the application
F3816X001	Navigator, Executive,	Run-Time Error 13 on Windows 8 on getting and setting report margins preferences
F3815X004	Navigator, Executive,	Query with invisible metrics hang issue
F3815X003	Navigator, Executive,	Bad Form Sizing, Resizing

F3815X002	Navigator, Executive,	PrintPreview - Enhancements and zoom error fix
F3815X001	BisExecutive	CopyPageToGrid Crash
F3812X001	Navigator, Executive,	3.8.X – The grouping of cols was not occurring since 3.8
F387X00B	Navigator, Executive,	3.8.X – UDF with string param was raising an execution error
F387X00A	Navigator, Executive,	3.8.X – Print Preview lower then 1 char width raised error
F383X009	Navigator, Executive,	3.8.X – Pivoting Eliminates Hidden Columns and Pages
F387X008	Navigator, Executive,	3.8.X – Export to Excel 2007 was generating an OLE automation error after finishing the export.
F387X007	Navigator, Executive,	3.8.X – Maximum Line function returned wrong value if maximum value was the top line
F383X006	Navigator, Executive,	3.8.X – Random problem with Grid Sort “Error 380: Invalid Porperty Type” when sorting descending on numeric values with fractions
F383X005	Navigator, Executive,	3.8.3 – Non numeric sort on numeric data column
F383X004	Navigator, Executive,	3.8.3 – After a data pivoting the Sort Form was not displaying the names of the list columns for sorting in the correct order..
F383X003	Navigator, Executive,	3.8.3 – Non Unique Rows in a Multi-column report generated error 381 Subscript Out of Range
F383X002	Navigator, Executive, Bis4Excel	3.8.3 – Query Progress Bar not stopping in several error conditions
F383X001	Navigator, Executive,	3.8.3 – GetCrossColumns Error: 381 raised when number of column in the reports exceeds 32768 columns
F379X001	Navigator, Executive, Bis4Excel	3.7.9 – User Filter Data justification was not following defined data formatting.
F339X024	Navigator, Executive, Bis4Excel	3.3.9 – Error in the syntax generation of outer joins with Informix
F338X023	Navigator, Executive, Bis4Excel	3.3.8 – Math operations in a script using empty cells raised a Script Error
F337X022	Navigator, Executive, Bis4Excel	3.3.7 – Informix Error due to non support of SQL-92 RIGHT OUTER JOIN. The SQL now generates LEFT OUTER JOIN syntax only
F336X021	Navigator, Executive, Bis4Excel	3.3.6 – Malfunction BIS Session Control and Status in Oracle, due to incorrect data format.
F335X020	Navigator, Executive, Bis4Excel	3.3.5 - Invalid SQL-92 generated syntax for more than one outer join with snow-flake. Generation of Informix Outer Joins changed to SQL-92 syntax
F334X019	Navigator, Executive, Bis4Excel	3.3.4 - Invalid SQL generated syntax for non Informix Databases in a outer join with snow-flake.
F33X018	Navigator, Executive	Filter selection with Oracle databases was returning unpredictable values, that were dependent on the physical and cached data. The SQL generated for Oracle to extract and limit the amount of data to 500 rows was redone.
F30X017	SchemaMerger	Comparison failed for relations and filter objects with empty/null values in the fields
F30X016	Designer	Error 94 (invalid use of null) is raised when a new fact or dimension is created for a table with zero rows

F30X015	SchemaMerger	Impossible to log-in to Oracle Database, due to database name get error
F30X014	Navigator, Executive, Bis4Excel	Errors parsing attributes with dots in the designation.
F30X013	Designer, Navigator, Executive	Introduced a validation to guaranty that the tool is aligned with the repository version.
F30X012	BISinit	The n=6 parameter of s4_gl_params table is deleted after the upgrade phase
F30X011	Designer 3.2.0.3	The Informix SmallInt Data Type was not recognized
F30X004	Navigator	Removing a filter from a query through the pop up menu doesn't clear the OLAP condition
F30X005	Navigator Executive	Removing calculated lines/columns was not cleaning all rows in a specific condition
F30X006	Navigator Executive	Absolute Filters with a select statement in the conditions generates a syntax error.
F30X007	Init SchemaMerger	Filters were not converted to version 3 and errors was raised when the attribute name doesn't matches the physical column name
F30X008	Navigator Executive	UDF is raising a Type mismatch: 'cdbl' error if the data contained a comma in the format.
F30X009	Navigator Executive	A refresh was necessary, in order to clean the grid colors after a clear operation of all buckets.
F30X010	Designer	The modification of the Fact Name or Dimension Attribute Name was not reflected in the related Filter

Fixed in 3.0.1 release

F30x001	Navigator Executive	Drag and Drop an empty element in the Pivot or Composition panel causes the critical error followed by program abort: Run-time error '381': Invalid property array index
F30x002	Schema Merger	In Change Schema Owner option, sometimes an error was generated: UpdateSchemaOwner: Dimensions Table: Schema Owner Update failed Object variable or With block variable not set
F30x003	Navigator Executive Designer	A Relative Filter with a non date format parameter causes an internal error and aborts the program. The Designer at designing time now validates if the Star Current Date is a valid date time.

Fixed in previous releases

2.60 beta	Navigator Executive	A form can't be moved or sized while minimized or maximized. Error occurred when reading from the Local Repository after a login and logout without closing the application
2.60 beta	Navigator Executive	When launching a Scheduled Task, if you abort the filter query condition, the application aborts with a run-time error.
2.60 beta	Navigator Executive	When the Number of allowed tasks for a particular user type was exceeded an information message box was displayed, but the next task was possible to launch.
2.60 beta	Executive	The application aborted with a run-time error when the user attempted to see the information details of a report.
2.60 beta	Administrator	The newly created top-level executive folders were not visible.

2.60 beta	Administrator	It was possible to access the Local Repository Read and Save menus.
2.60 beta	Administrator	Now the Administrator can unlock the repository after receiving the following message: Navigator Reports Locked, please Contact the Administrator.
2.60 beta	Administrator	Error #217 when pressing the refresh button in the button bar.
2.60 beta	BIS-for-Excel	The displayed tasks' status were not correct.
2.60 beta	BIS-for-Excel	The task type field was empty in the Schedule Form.
2.60 beta	Schema Merger	In some XP workstations with a fresh image the run-time error 339 occurred while attempting to see the log file. This was caused by the absence of the system file RICHTX32.OCX
2.50.04- SUP06130024	Navigator Executive	Clear Column Error, when removing local functions.
2.50.04- SUP06130023	Navigator Executive	Wrong calculation where produced, when the functions were applied on top of Percentage calculated column.
2.50.04- SUP06130022	Executive	Function F6 (Results Refresh) was not enabled in Executive
2.50.04- SUP06070020	Navigator Executive	Impossible to calculate percentage in more than one metric column.
2.50.04- SUP06070021	Navigator Executive	FuncPercentCols Error 13 Type Mismatch in "Top N" and "Bottom N" functions.
2.50.03- SUP05050009	Navigator	Run-time Error 381: Invalid property Array Index The Filter Parameter form definition raises a 381 error if the newly written name of a new parameter was defined without pressing the new flag.
2.50.03- SUP05050010	Navigator	The favorite Report definition was not stored in the database if the user closed the application without doing a previous database logoff.
2.50.06- SUP05050011	Administrator	Error: This Would Introduce a Cycle. In some cases the error had the behavior, that the folder or report was saved with incorrect references in the database table. After a refresh or restart the folder or report was not visible anymore.
2.50.06- SUP05050012	Schema Merger	Error: 380 in GetAllStar. Reproduction: Execute <Server Repository/Check-Out> when only one Star exists in the model.
2.50.03- SUP05030013	Navigator Executive	The footer position in Print Preview didn't correspond to defined options.
2.50.03- SUP05030014	Navigator Executive	Refreshing a multi-page report result, moves the displayed results to first page and shows incorrect data
2.50.03- SUP05030015	Navigator Executive	Error: -217: S0022 – Column (XXXX) not found in any table in the query Reproduction: Run a 1st report from one star, then run 2nd report from another star and finally re-running the same 1st report return the error:
2.50.03-SUP05030016	Navigator Executive	Selecting the Percentage function on a multi-page report only affects the current page. The selection of the Percentage function was lost after moving to another page, running the print preview and with a report refresh. The Percentage function definition was not saved with the report.
2.50.03-SUP05030017	Navigator Executive	A change in the report/ad-hoc query column size must be reflected in the Print Preview. A change in the column size of one of the pages in a multi-page report must be kept in all other pages. When a fact column is repeated multiple times in the same page, changing the first (most left) column affects the next column occurrences, after a page refresh or moving to another page.
20041116	Setup package	Was impossible to use Bis tools due to the nonexistence of DAO350.dll
2.50.5-0003-20041207	Merger	Clear Repository

		The repository was not cleared completely if there were orphan objects.
2.50.5-0002-20041207	Merger	Comparison in Empty Folders The comparison made in empty folders was always considered different
2.50.4-0001-20041129	Merger	Update in repository detail objects was not applied in Server DB.
2.50.02-0001-20041104	Navigator Executive	Build was corrupted (Error 91).
2.50.2-0001-20041102	Merger	WriteToLog: LatLogFileName: Path/File Access Error The error was reported when the log file was not opened and there was an attempt to write to the log
2.50.01-0001-20041007	Administrator	An incomplete drag and drop operation in the Executive tree generated a circular reference operation error.
2.50.01-0002-20041007	Navigator	The outer and distinct Report update was not saved.
2.50.01-0003-20041007	Navigator	Format Object error message: Run-time error 30010. Invalid Column. This error was generated when using the format pop up window in the query composition area.
2.50.01-0004-20041007	Administrator	Changing the description field of a report in Navigator Public Report Tree was changing the name of the report.
2.50.01-0005-20041007	Administrator	An Administrator different from the internal “bis” Administrator was not able to create a link of a new Navigator report in the Executive Tree .
2.50.01-0006-20041007	Administrator	The Protected field in the Navigator Tree was not always refreshed correctly.
2.41.15-0033-20040713 PR#NA13070401	Navigator Executive	UDF syntax error and WriteUDFDataToGrid Error 1002. Occurred when was used a number with format #,##0.0# or #.##0,0#
2.41.14-0028-20040513 PR#NA01050401	Navigator	It was impossible to remove an empty folder if internal document_id = fact_id.
2.41.14-0029-20040520 PR#NA20050401	Navigator	If execute a query or generate SQL is repeated for a query with parameters and answer no in the question “Redefine conditions”, than application crashes with run-time error 5.
2.41.14-0030-20040527 PR#NA27050401	Navigator	When the limits for a filter returns one row, the data and header in the filter form were misplaced.
2.41.14-0031-20040527 PR#NA27050402	Navigator	Choosing a value in a filter and then discarding it, when this was the last selected value, followed by a OK, passed an empty string to the where clause of the query.
2.41.14-0032-20040527 PR#NA27050403	Navigator	Clicking the remove-one or remove-all buttons, when the selection was empty, raised a runtime error ‘30016’ and abort program.
2.41.14-0033-20040621 PR#NA21060401	Navigator Executive	Several Printing errors when printing directly from the table, not using Print Preview. Modifying data is not reflected in the charts Unable to Print data after a chart for that data was created If print preview defined for Portrait and outside of Print Preview the printer orientation was set to Landscape generated a report with too many pages. Font characteristics were not used in the data printing
2.41.14-0035-20040705 PR#NA05070401	Navigator Executive	After calling print preview for a chart, return to data view, modify the print setup properties and trying to print preview the chart, raises the error 35601: Element not found.
2.41.10-0022-20040320 PR#PO19030401	Navigator Executive	Report: Modified report title in the options form is replaced by report name after printing. The original name is recovered after leaving preview mode.

2.41.10-0023-20040320 PR#FA19030403	Navigator Executive	WriteUDFDataToGrid Error 6 User Defined Function division by zero error. The result now returned is #DIV/0, like in Excel, and no error is returned
2.41.10-0024-20040320 CR#NA19030402	Navigator Executive	PushResultsToGrid Error 30010 Not verified in 2.41.10 tests
2.41.10-0025-20040320 PR#EW19030404	Navigator Executive	Incorrect format of "dd-mm-yyyy" dates, when exported to Excel. Corrected. Field was not passed as a date.
2.41.10-0026-20040320 PR#XL20030402	Bis-for-Excel	Incorrect format of dd-mm-yyyy dates, when imported in Excel. Corrected. Field was not passed as a date.
2.41.10-0027-20040320 PR#XL20030401	Bis-for-Excel	Run-time error '94' – Invalid use of Null Corrected. Cell gets an empty value and no error raised.
2.41-0001-20030431	Navigator Executive	Filters: A between filter allowed, in some situations, more than two values
2.41-0002-20030431	Navigator Executive	Filters: Sort of available for choosing data in a filter was not done based on data type
2.41-0003-20030431	Navigator	Runtime error: New query creation in some specific conditions raised a runtime error, due to an incomplete internal free of resources
2.41-0004-20030431	Navigator	Off-line load error: The display of the first grid was not expanded, during the off-line load of a multi-cube file.
2.41-0005-20030431	Navigator Executive	Report formatting: The columns justification in the reports where not following the defined in the grid.
2.41-0006-20030431	Navigator Executive	Print Preview error: when running off-line an attempt to use templates generates a runtime error. Templates should not be available in off-line mode
2.41-0007-20030431	Excel Add-In	Excel Add-In install error: Excell add-in could not be automatically installed in non English Excel
2.41-0008-20030431	Navigator Executive	Filters: Pressing magnifying glass in a filter with data already selected, raised an error for numeric data types. Now is used the operator >= (bigger or equal than) for numeric fields. For string fields is still appended internally the % meta character and used the LIKE operator.
2.41-0009-20030431	Navigator	Filters:. Bottom part of the TreeView was not accessible
2.41-0010-20030915	Navigator Executive	Export to Excel:. Error in the Module1 identification in non-English versions of Excel
2.41-0011-20030915	Navigator Executive	Page Scroll: Skip one page, if mouse remains in the object, during object change
2.41-0012-20030915	Navigator	Format Attributes: Error in attributes' formatting in the composition area, before query run.
2.41-0013-20030915	Navigator Executive	Filter Find List: Where solved sort and alignment problems.
2.41.6-0014-20031015	Navigator Executive	Filter Find List: solved problems whit string fields format and quote settings.
2.41.7-0015-20031016	Navigator Executive	Subset operation: was generating wrong formatting when field type is string but contains left padded with zeros numeric values. Ex: 00023 was represented as 23
2.41.7-0016-20031016	Navigator	Subset form: manually entering data for the interval limits, returned unpredictable results

	Executive	
2.41.7-0017-20031016	Navigator Executive	Data Grid refreshes and page change: were resetting line dimension elements to left format.
2.41.7-0018-20031016	Navigator Executive	Export to Excel: was generating wrong formatting when field type is string but contains left padded with zeros numeric values. Ex: 00023 was represented as 23
2.41.7-0019-20031016	Navigator Executive	Export to Excel: The data alignment was not used in Excel
2.41.8-0020-20031023	Navigator Executive	Filter Find List: Like type filters were generating incorrect SQL statements
2.41.8-0021-20031023	Navigator Executive	Filter Find List: Numeric format like ###0,00, in specific locales, was producing numbers not supported by SQL DB format