

# D'PROS

## ENHANCE

### Insight SAP 5.1 Release Highlights

## What's New?

The following table is a summary of new features and bugs fixed added in version 5.1.

*Table 1: Cross-Application - New capabilities -*

#	Feature	Description
1	/DCM/FILE_VIEW - Max Number of Records Parameter	Parameter "Max. No. of Records" was added to the selection screen of /DCM/FILE_VIEW to allow restriction of number of records to be read.

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Table 2: Insight Publisher - New capabilities -

#	Feature	Description
1	Support Values Longer Than 255 Characters	When being called in "Read in local memory only" mode, cell values aren't being truncated to 255 characters anymore. This includes comment columns.
2	/DCM/ADA\$REC_COUNT - Number of Data Records W/O Totals	The placeholder /DCM/ADA\$REC_COUNT (can be used in email subject, text, etc.) now counts only the number of data records, w/o total/subtotals lines. New placeholder /DCM/ADA\$REC_COUNT_A, which counts also total lines, was introduced.

Table 3: Insight Publisher - Bug Fixes -

#	Bug
1	While trying to open in Power query (Query function in Excel) an XLSX file generated by Publisher, the data sheet was being truncated: Only first 3 rows and 4 columns are set, due to incorrect metadata in the generated file.
2	In case of split by ALV layout field, when total is set with totals above entries, the generated files were disrupted (Records were spread incorrectly, The first record was omitted).
3	In HTML format, Key columns were colored in Key color (Blue) even when a row/cell color is set.
4	For distribution method e-mail, when SAP user is set as sender, in case of split by an ALV layout field, only for the first split the sender was set with user (name + address), while the following emails were set with e-mail only.
5	During execution of Publisher, In some special cases in which the logical group of the ALV layout is determined according to the transaction, number range /DPS/RET_L is being used internally. In case the number range reached the max interval, runtime error occurred due to uncaught exception /DCM/CX_CA_NUMBER_RANGE_WARN.
6	During generation of XLSX file, Long timestamp (e.g. data element TIMESTAMPL) column led to runtime error CALL_METHOD_CONFLICT_TYPE (Exception CX_SY_DYN_CALL_ILLEGAL_TYPE) in method /DCM/CL_CA_DD_ELEM_TYPE=>STRING_EXT_GET.

Table 4: Insight Creator (Formerly Rainbow) - New capabilities

#	Feature	Description
1	Variant Info	New function "Info" was introduced, which displays a complete documentation of the Insight variant, includes all its' sub objects. The documentation can also be printed and exported to PDF (via print to PDF).
2	Objects Documentation (Free Text)	It's now possible to add a free text documentation for any Insight object (Variant, column, paint rule, etc.). This documetnation would also be included in the variant info.
3	Aggregation Column: Rank, Cumulative Sum	Aggregation columns were added with new aggregation functions: Rank, Cumulative Sum. In contrary to the existing functions, these are cumulative calculations, relative to the other records in the same group.
4	Content Installation	It's now possible to install pre-delivered content (processes) via transaction /DPS/RAINBOW_PROC.
5	Columns: Reference Currency Key/Unit Column	During creation of new quantity/currency columns, it's now possible to assign the corresponding reference unit of measure/currency key column.
6	Navigation - Open New Session	A new option to navigate to objects in a new session (instead of the same session) was added. This option was added under the context-menu of Navigation (right-click on row), not on double-click.
7	Formula Functions: DATE_GET_FIRST_WORKINGDAY, DATE_GET_LAST_WORKINGDAY	New formula functions were added: DATE_GET_FIRST_WORKINGDAY, DATE_GET_LAST_WORKINGDAY – Returns the input/next working day (If input date isn't a working day)
8	Aggregation Column/KPI: Include Initial Values	New attribute "Include initial values" was added to Aggregation column and KPI to include also initial values in the calculation (In default initial values aren't being taken into account).
9	Groups Table Display: Numeric KPI Values	In the ALV table of groups, new numeric columns for KPI value1, KPI value2 were added in addition to the existing textual columns. These fields support sort/filter.
10	Groups - Support Display Only Mode	In case groups are opened for edit in a parallel session, they would be displayed in read-only mode (Instead of error message MC 601 - "Object requested is currently locked by user").
11	Import Multiple Variants: Dialog Mode	Import variant of multiple variants (files) supports now also dialog mode. Imported objects can be selected manually by the user, instead of automatic import only of the default objects.

12	Toolbar Functions: Delete BAdI Implementation On Deletion	In customizing /DPS/RAINBOW_IMG → Toolbar Functions → Define Toolbar Functions, deletion of toolbar functions supports now automatic deletion of the corresponding BAdI implementation.
13	Aggregation Mode: Enable ALV Aggregations For Aggregated Column	In case of aggregation mode, ALV aggregation functions are now supported for aggregation columns with grouping by the report's key. Functions are still not supported for other custom aggregation columns.
14	Support Hierarchical ALV W/O Item Data	For hierarchical ALVs, in the special case in which header level records exist, but w/o corresponding item level records, data is now displayed (only with header data).
15	Columns Overview: Navigation Mapping	Column navigation mapping was added the columns overview ALV.
16	Authorizations/Functions Overview: Mapping Column	Column mapping was added the functions overview ALV and authorizations overview ALV.
17	KPIs Overview: Aggregation Columns	Columns Aggregation function, Include initial values were added to the KPIs overview ALV.
18	Toolbar Functions: Copy Function	Function Copy was added to the toolbar of Functions overview.
19	Authorization Role Navigation Objects	Two new navigation objects were introduced: /DCM/ROLE - Authorization Role /DCM/ROLEA - Role Authorization Data /DCM/ROLEU – Users by Authorization Role

Table 5: Insight Creator (Formerly Rainbow) - Bug Fixes -

#	Bug
1	When setting an invalid transaction code in the Insight variant attributes (Create/Change variant), runtime error occurred due to uncaught exception /DCM/CX_TCODE.
2	When the assigned report doesn't exist and User-specific flag is set, runtime error OBJECTS_OBJREF_NOT_ASSIGNED occurred in method /DPS/CL_RET_REP_VARIANT->USER_VARIANT_SELECT.
3	In case of a report whose one of its' parameters is defined with elementary type P (w/o a data element. e.g. PARAMETERS p_amt TYPE p LENGTH 9 DECIMALS 2), runtime error may occur in method /DCM/CL_CA_DD_ELEM_TYPE->ELEMDESCR_GET due to uncaught exception /DCM/CX_CA_DDIC_FIELD_INVALID.
4	In case of text column of an invalid table lookup (e.g. When the snapshot doesn't exist and/or the field doesn't exist in the snapshot anymore), runtime error OBJECTS_OBJREF_NOT_ASSIGNED (exception CX_SY_REF_IS_INITIAL) may occur in method /DPS/CL_RET_COLUMN_TEXT->IS_COLUMN_WITH_VAL_TEXT.
5	On execution of the original report ("Execute original report"), in case the report variant doesn't exist, runtime error occurred due to uncaught exception /DCM/CX_REPORT_VARIANT in method /DCM/CL_CA_REPORT_VARIANT=>VAR_CONTENTS_READ.

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6	In the SAPUI5 app, in case of comment columns whose content has multi-line text (with break line), the app may terminate with request error due to JSON parsing error.
7	In the ALV output, cell values with leading spaces were displayed without leading spaces. The correction is relevant only for NW release 7.02 and above (where note 1834924 - 'ALV Grid: Leading blanks' was introduced).
8	During variant import, all the values with leading spaces the leading spaces were being omitted (e.g. column heading " with spaces" was converted into "with spaces").
9	When formula function TIME_FORMAT is used, in case an invalid value is set for the format parameter, runtime error UNCAUGHT_EXCEPTION occurred due to uncaught exception /DCM/CX_DATE_FORMAT_INVALID.
10	In the grouping tree, the user is able to change the layout and save it. In case he set column No.records (REC_COUNT) as hidden, any refresh/execution of the report could lead to runtime error due to uncaught exception START_COLUMN_NOT_FOUND in method CL_ALV_TREE_BASE=>COLUMN_OPTIMIZE.
11	While trying to assign a toolbar function w/o fields, error message /DPS/RET 115 - "No selection conditions defined" was raised while pressing OK and the function couldn't be set. In addition, Table lookup column w/o criteria (fields) couldn't be set.
12	In field mapping (Table lookup, Toolbar function, etc.), entering a value of field/variable in lowercase leads to error message /DCM/CA 031 - "Field does not exist", instead of converting the value to uppercase.
13	In Table Lookup, in the very rare case in which the column name matches the mapping field (e.g. /DPS/DYNF001), setting (any) variable, led to error message /DCM/CA 031 - "Field does not exist".
14	In case of a variable with an empty formula, pressing Reset (of an external value) didn't clear the value (although a warning was written to the log).
15	In case the parameter "Max. number of hits to be displayed" is defined as unrestricted (0) in system settings, the search help of Insight variant (available for parameter Variant ID in /DPS/RAINBOWALV) returned no results.
16	In formula column, when data element PERNR_D is used, error message 000 02 - "Enter a valid value" was raised and no value was set, even when the value is a valid personnel number.
17	In the monitor (/DPS/RAINBOWALV), execution of variant from the Favorites/Recently Used list ignores the "Variant for sel." (Even when the flag is set, variant selection popup isn't being displayed).
18	In the column attributes screen, the attribute Condition was visible also for standard columns although it's irrelevant for them.
19	For KPIs, the creation user and date/time weren't being set.
20	In the Paint rules ALV, there was no authorization check for Display (like in any other object). Hence, users w/o display authorizations were able to view the list of rules.
21	In the ALV table of groups, there is an option to add also the KPI columns (/DPS/KPI001, /DPS/KPI002, etc.). However, the headings of the KPI columns are incorrect: The heading was set with the data element instead of the KPI text.

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#	Bug
22	In the ALV table of groups, there is an option to add also the KPI columns for each KPI (/DPS/KPI001, /DPS/KPI002, etc.), in addition to the generic value 1, value 2 columns. In case of a KPI based on a decimal column (only decimal, not quantity/currency. e.g. /DCM/DECV_10) and aggregation function SUM, the datatype of the KPI was string instead of decimal. As a result, sorting/filter by this field leads to incorrect results (textual sort instead of numeric one).
23	During copy of a column which includes a variable for the heading, the variable wasn't being copied.
24	As part of load of ALV layout, the variables values are being updated. However, in case of a dynamic column heading with variable, the column heading wasn't being updated on load of ALV (although that the corresponding variable value was updated).
25	In the maintenance of logical transactions (/DPS/RAINBOW_TCODEL), when at least one of the existing logical transactions is set with an invalid report, error message SF 458 - "Report ADASD does not exist" was raised and it was impossible to delete it (or make any other update).
26	In case of a group based on an invalid table lookup (e.g. When the snapshot doesn't exist and/or the field doesn't exist in the snapshot anymore), runtime error OBJECTS_OBJREF_NOT_ASSIGNED (exception CX_SY_REF_IS_INITIAL) may occur in method /DPS/CL_RET_GROUP_DATA->FIELD_VAL_TEXT.
27	During insert/deletion of insight objects (column, paint rule, etc.), change document (for object /DPS/RET) was created with incorrect change Indicator (CDHDR-CHANGE_IND): I (Insert) or D (Delete), instead of U (Update).
28	When setting a color, in the color legend (search help), the descriptions of colors was incorrect: 410 - Blue, 110 – Background, instead of the opposite.

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Table 6: Change Log Viewer - New capabilities -

#	Feature	Description
1	CDPOS_STR (String Values)	The report supports now also changes of string values, which are being stored in a separate DB table: CDPOS_STR.