

What's New

ELENA

List of modifications

01.400.03.00 - 28/01/2022

Module: AP-Autodesk P3D

Notes: 1

Note: ELE-386

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates and ValveOperators

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

Module: AU-Authentication Server

Notes: 2

Note: ELE-328

The support for Unicode characters has been added to login passwords.

Login passwords can now contain any type of character.

Note: ELE-394

Fixed the bug of login management in case the username is entered with capital letters (only in case of local authentication).

If the username was entered with capital letters instead of lowercase when logging in, the user was not recognized.

The problem occurred only in the case of local authentication, while it did not happen in the case of authentication via LDAP (Active Directory).

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Module: BO-Bentley OpenPlant

Notes: 1

Note: ELE-384

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates, DesignStandards, EndConditions, Trims, ValveOperators
- file rule_options.xml sheet OptionCodes
- file rule_project.xml sheet CataCloner

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

Module: CX-Intergraph CadWorx

Notes: 1

Note: ELE-381

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates, ValveOperators
- file rule_options.xml sheet OptionCodes
- file rule_project.xml sheet SpecCloner, CataCloner

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

Module: DC-Dimensional Catalogue

Notes: 1

Note: ELE-374

The CAR_2_CODE and CAR_3_CODE columns are new attributes inserted in the new SharpPlantWeb. The purpose of the two new attributes is generic and they could be discriminating for dimensional data, therefore they have been added to the key of the dimensional tables.

By adding the two new columns (CAR_2_CODE and CAR_3_CODE) to the dimensional key, compatibility with the previous catalogues is lost, therefore the conversion of the existing catalogues is done automatically the first time Elena uses a specific dimensional catalogue. If the dimensional tables of the latter do not include the two new attributes, before proceeding with the processing Elena will automatically convert the dimensional catalogue before using it.

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Module: General

Notes: 6

Note: ELE-332

The support for ZIP files containing files with names or paths with special characters has been added.

Some ZIP files contain file names or paths with special characters, but without using *Unicode UTF-8* encoding: *extended ASCII* characters (128-255) with **CP437** encoding are used instead. Character example: ° (*degrees*).

Now even this type of ZIP files is supported, allowing the management of project codes or keys with these particular characters.

Therefore, Elena now supports these two standard formats for names and paths in ZIP files:

- *Unicode: UTF-8* encoding
- *ANSI: ASCII* or **CP437** for the first 128 characters, **CP437** for the following 128 characters

Note: ELE-370

For input from CSV files, the management of special characters "separator", "quotation marks" and "end of line" has been added in the text fields.

In previous versions, some special characters caused a wrong interpretation of the data contained in the *CSV* files:

- the fields containing the "*separator*" character were broken into 2 parts, as if they were 2 distinct fields, causing the field itself to be partially loaded and all subsequent fields loaded incorrectly (they were offset by one position)
- fields containing two characters of "*quotation marks*" in sequence ("", as *escape* of the quotation marks), were read as they are, with the double character, instead of interpreting the *escaping*
- fields containing an "*end of line*" made the line load as 2 different lines (one incomplete and one nonsense)

The *CSV* standard (**RFC 4180**) provides these rules to solve the problem:

- if the value of a field contains the separator or quotation marks (") or a end of line, the field must be delimited by quotation marks (")
- if the value of a field contains quotation marks ("), the original quotation marks must be doubled ("")
- if the value of a field contains neither the separator, nor the quotation marks, nor an end of line, the field may or may not be delimited by the quotation marks (")

RFC 4180 (CSV standard)

<https://tools.ietf.org/html/rfc4180>

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Note: ELE-379

A new parameter "use_sharp_plant_input_files" has been added to the Config.xml configuration file to support compatibility with the new SharpPlantWeb software platform. Set the value "1" if the input files feeding Elena are exported from SharpPlantWeb. The parameter is optional; therefore, if the files that feed Elena are supplied by Puma5 it is possible not to define the parameter or set it with the value "0".

NOTE: if you set the "use_sharp_plant_input_files" parameter with the value "1", Elena will automatically convert the historical data of the project and once the processing for the generation of specifications and catalogue has been carried out, compatibility with the files exported by Puma5 will be permanently lost.

Note: ELE-389

A new check has been added to verify that the input files have the correct unicode encoding. If the unicode encoding is not correct the warning "LIB_Error_UnicodeCodingNotCompatible" will be reported in the log file. The unicode encoding of the input files must match with the one indicated in the ini.csv.input_csv_encoding and ini.rule_expr.expr_data_files_encoding parameters of the Config.xml configuration file.

Note: ELE-393

Bug fixing relating to the parameters (boolean and optional) of the Config.xml configuration file.

Regardless of the parameter value set in the configuration it was not possible to disable the related functions and therefore even setting the parameter value to "0" the functions stayed enabled as if they were set to "1".

The parameters affected by the above condition are the following:

- ini.csv.enable_formula_output,
- ini.csv.enable_formula_input,
- ini.csv.expand_reduction_size_thk,
- ini.csv.expand_bolts,
- ini.csv.expand_gaskets,
- ini.csv.expand_branches

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Note: ELE-395

Further to the [ELE-372](#) issue fixing, the FirstSizeUnits column of the PipingComodityFilter section is also set to Null for the same case indicated in [ELE-372](#).

Module: NX-Unigraphics NX

Notes: 1

Note: ELE-382

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates, Standards, Ends, Ratings, Finishes, Constructions, Materials, Characteristics, Tags, Equipments, DataBolted, DataFemale, ValveOperators
- file rule_options.xml sheet OptionCodes
- file rule_project.xml sheet CataCloner

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

Module: PD-Intergraph PDS

Notes: 1

Note: ELE-385

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates, CommodityNames, ModelsCodes, GeoStandards, EndPreparations, Modifiers
- file rule_options.xml sheet OptionCodes
- file rule_project.xml sheet ImpliedMaterial, MaximumTemperature, SpecCloner, CataCloner, ShortDescriptionLibraryCloner, LongDescriptionLibraryCloner

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

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Module: PM-Aveva PDMS

Notes: 1

Note: ELE-383

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates, ValveOperators
- file rule_project.xml sheet SpecCloner, SdteCloner, StypeBranch

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

Module: PU-CLA Puma

Notes: 1

Note: ELE-387

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates
- file rule_options.xml sheet OptionCodes

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

Module: SP-Intergraph SP3D

Notes: 6

Note: ELE-371

Starting from the 2011 version of SP3D the commodity code for the pipe to pipe must be set to None.

Note: ELE-372

Because of an update of S3D, the compilation of RWELD components (in the "PipingComodityFilter" section) with a single diameter (manifold and branch have the same diameter) the "reduction size" and its unit of measurement must be set to None.

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Note: ELE-380

The CAR_2_CODE and CAR_3_CODE columns have been added in the following mapping files/sheets to support the new SharpPlantWeb attributes:

- file rule_codelist.xml sheet Templates, Ends, Bolts, ValveOperators
- file rule_options.xml sheet OptionCodes, BoltOptionCodes, GasketOptionCodes
- file rule_project.xml sheet MaximumTemperature, SpecCloner, CataCloner, DescCloner

If there is no need to add the new columns to the mapping sheets indicated above, set the "xls" parameter "disable_mandatory_fields_check" to "1" in the Config.xml configuration file.

Note: ELE-390

The "FIN_CODE" column has been added in the "OptionCodes" mapping sheet of the "rule_option.xml" file.

Note: ELE-391

After the new "CAR_2_CODE" and "CAR_3_CODE" columns were added to the "catalogue.csv" input file for compatibility with "SharpPlantWeb", the implicit component association no longer worked correctly for the following two cases:

- it did not load correctly the implicit components for variable attribute search in case the "CAR_2_CODE" and "CAR_3_CODE" columns were not in the input file "Catalog.csv",
- if the "ReportableCommodityCode" column was not defined in the "ImpliedComponents" sheet of the "rule_project.xml" file, the association process did not work.

The first bug case was solved by performing a check on the existence of the "CAR_2_CODE" and "CAR_3_CODE" columns in the "Catalogue.csv" file while loading the implicit components.

The second bug case has been solved by adding a new exception "COM_Error_MissingField" to report in the log file any missing mapping in the "ColumnAlias" sheet of the "rule_codelist.xml" configuration file, if the "ReportableCommodityCode" column is not defined in the "ImpliedComponents" mapping sheet of the "rule_project.xml" file.

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Note: ELE-392

The columns "CAR_CODE" and "TAG_CODE" have been added in the "Ends" mapping sheet of the "rule_codelist.xml" file.