

What's New?

ELENA

<i>List of modifications</i>	<i>From:</i>	01.400.01.00 / 29/08/2016
	<i>To:</i>	01.400.01.00 / 29/08/2016

Module: AU-Authentication
Server

Notes: 1

Note: ELE-146

The user can now use the login function without authenticating on the Active Directory. This feature is configurable.

The optional parameter the user has to include in the authentication service configuration file to use this new feature is:

"Xml_rpc_server", "login_without_pwd"

If the parameter above is set to 1 the control into active directory is skipped and the login will be allowed only to users who are enabled on permissions file.

Patch Situation 01.400.01.00

Module: CX-Intergraph
CadWorx

Notes: 1

Note: ELE-237

According to the new CADWORX version, it has been updated and made suitable with this new version ELENA CX plugin. See the attachment ELE-237.zip, to get the new configuration files, to be used for this new version.

Patch Situation 01.400.01.00

Module: DC-Dimensional
Catalogue

Notes: 1

Note: ELE-273

Template command gave the error messages shown below, and empty tables to be filled with dimensional values were not created:

- DC_Error_UnknownKeyColumn
- DC_Error_MissingKeyColumnInTheDimensionalTable

The anomalous behavior was caused by an incorrect reading of the sheet "KEY" of dimscata_tmpl.xml configuration file, which provides the structure to create the empty tables. It has been revised the function that reads the configuration file dimscata_tmpl.xml: the above messages are no longer provided and empty dimensional tables are properly created and are available for users download.

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Module: General

Notes: 2

Note: ELE-108

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The debug mode parameter is now configurable by the user, in order to avoid new exe creation, every time a quick debug is needed.

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Note: ELE-168

In case of incorrect ConfigDims.xml file completion (e.g. the paths of the files dimscata_rule.xml and dimscata_template.xml are reversed) for all plugins ELENA blocked the elaboration without providing feedback to the user. This occurred during the execution of the Builder, during Dimensional Catalogue data reading. ELENA now can handle the exception and provide a specific error message to the user, so that the user can correct the paths into ConfigDims.xml file.

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Note: ELE-183

In the previous versions, the history zip files were saved in a "History" folder subfolder, named as the project code. Due to this fact, if more than one project were linked with the same configuration set, the history was saved in more than one place. It has been removed the default creation of a subfolder named as the project code. If the user wants to maintain this behavior, he/she should map a path including project code into section 'history', parameter 'config_history_path' into Config.xml (Builder configuration file). In the section 'history' it has been added the optional parameter 'add_project_in_config_history_path':

- if this parameter is set to 0, the user will get the new behavior with no project code subfolder
- if this parameter is set to 1, the user will get the old behavior with the project code subfolder
- if the parameter is missing, ELENA will adopt the old behavior

Patch Situation 01.400.01.00

Note: ELE-206

If there were a blank row in one of the cata_headers.xml file sheets, instead of the row with the columns intestatives, ELENA blocked the process phase, without giving an error message to the user. Now the exception is managed and ELENA gives an error message to the user, so that he/she can correct properly the specific sheet of the cata_headers.xml file.

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Note: ELE-225

A new optional mapping sheet has been added, in order to give to the user the possibility to enable or disable some warnings: in this way he/she can ignore the unblocking warnings (in a different way ELENA would report these warnings). An example of these warnings are the ones related to the dimensional catalogue, that were introduced in ELENA 01.400.00.00 version. For more detail about the new mapping sheet, see ELE-225.zip attachment.

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Note: ELE-230

The error message COM_Error_MissingKeyColumnInTheRecord were composed in a confusing mode: the warning in fact reported the absence of one or more column in a set of columns. In this way the user didn't understand which was the specific column missing from the input record in relation to the input mapping sheets columns.

Now the warning reports explicitly the missing column or columns.

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Note: ELE-232

In case of debug_mode parameter set to 0, if the builder ended with no handled exception, the message written on the log file was generic. In order to make easier the bug fixing, only ofr the exception COM_Error_UnhandledException, ELENA now reports into the log the full traceback content even if the debug_mode is set to 0.

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Note: ELE-233

In case of projects with codes containing deprecated characters such as "_" or "-", Elena cannot make checks in difference mode from the previous processing database and places all the records in append mode.

The case is related to a discrepancy between project code entered in the database and project code written into the file name. The project code is in fact included in the name of the output file purged from deprecated characters; this is done in order to maintain the standards of the output file names that already use the characters "_" and "-" with a specific meaning. During the last database check, Elena fails because the search is made with the project code filter (which contains deprecated characters) on the database names in the output folder, which are structured with the project code unless the deprecated characters. The search mode was changed using project code without deprecated characters as a filter.

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Note: ELE-234

In case of 'delete_output_files_after_zip' set to 1 into builder configuration file, during the results download, ELENA didn't find the output files for the zip, because the zip were created at runtime and the output files were already deleted.

This behavior of runtime zip creation has been maintained to grant compatibility with previous versions, but it has been inserted a direct download of last zip output file in case of 'delete_output_files_after_zip' set to 0 into builder configuration file.

The elaboration mode without deletion will be removed from the next versions, where the 'delete_output_files_after_zip' parameter will be itself removed from the configuration file or set to 1 as a standard ELENA behavior.

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Note: ELE-238

The following optional parameters have been added into the Builder configuration file:

- "csv", "expand_branches", that enables branches expanded creation
- "csv", "expand_bolts", , that enables bolts expanded creation
- "csv", "expand_gaskets", that enables gaskets expanded creation
- "csv", "enable_formula_input", to enable input formulas defined for the formulas interpreter feature
- "csv", "enable_formula_output", to enable output formulas defined for the formulas interpreter feature
- "csv", "set_bolts_data_to_gaskets", to set bolts values also in gaskets sheets

The available values are 1 and 0, according to the user needs to use or not the feature expressed by the parameter.

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Note: ELE-239

A panel is now available for uploading and downloading external files, that are used by the GET_EXT function into rule_formulas.xml file.

In order to use this feature, the user has to insert an optional parameter in the Config.xml file, indicating the folder where ELENA will unzip the uploaded files and from which will read them.

There's no history for these files: every time the user will upload new files, existing files will be overwritten.

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Note: ELE-240

In case of sheet present on spec_heades.xml file, but missing from the related spec_template.xml sheet, ELENA didn't give any warning message and didn't compile the missing sheet in output. Now ELENA writes a specific warning message into output xml log file.

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Note: ELE-247

If the user fills in a wrong way the input csv file BranchObjects.csv, inserting not only the branch objects with one diameter (such as HalfCoupling e LongWeldNeckFlange), but also the ones with two diameters, ELENA gives a lot of the following error messages:

- COM_Error_GetDataNotMatch
- COM_Error_DuplicateDataRecord

Analyzing the log, it wasn't immediately clear if the error message was correctly given or if it was caused by a wrong csv file filling.

Now in the Builder is given a notify message, during the caching of the csv file content, that indicates the objects written in the file.

In this way, it'll be easier to understand the error matter.

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Note: ELE-248

It's now available into output GasketSelectionFilter sheet (SP plugin), the temperature value. In order to map this value there's the new TMax mapping sheet on rule_project_SP.xml file. As default value the user can leave blank cell. For more detail see ELE-248.zip attachment.

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Note: ELE-267

Into cata_headers and spec_headers \$Exclusions sheet it's now available the optional adding of columns DIAM, DIAM_R and DIAM_SERIE.

In some cases this feature is useful in order to exclude some components from the output according to the ELENA diameter range, if these components are wrongly inserted into the material management system.

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Note: ELE-268

The DIAM_SERIE columns has been inserted into key column set for alle the rule_codelist and rule_project files sheet, in which it wasn't considered yet as key column (e.g. rule_codelist file Templates sheet).

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Note: ELE-270

In the feature "formulas interpreter", it has been added the option "EXCLUDE", that enables the user to delete a record from the output at runtime.

In some specific conditions, if this option is used, the record will be deleted and not inserted into the output files (database, XML and scripts according to the plugin used).

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Note: ELE-276

IN case of Elena Direct library use (to launch ELENA directly from PUMA), it has been added a mode with specific features on the server, that enables the elaboration to ignore the presence of a specific project code both in permisisions an builder configuration files, using in the mapping the placeholder "__BYPASS__", instead of the process code.

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Note: ELE-280

At the end of Builder execution, during dimensional table saving in "CataNotFound" folder, where these tables had diameters not included into the original dimensional table, ELENA wrote improperly in the output XML log file the exception "DC_Error_MissingRefKeyInTheSheet". Even if the exception wasn't stopping and didn't avoid the correct behavior of ELENA interface, it was misleading, so that it has been avoided its improper writing into the output log file.

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Note: ELE-281

While reading the csv input files, Catalogue.csv file was loaded in many different elaboration contexts. Now it has been implemented a cache, in order to optimize the loading phase. The file is dynamically stored in memory at the beginning of the elaboration phase and used in the next steps, whitout repeating the loading.

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Note: ELE-282

The notification message COM_Notify_BranchObjectsInInputFile was improperly visualized into the output messages stream. The notification is now written only in the output XML log file.

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Module: NX-Unigraphics NX

Notes: 3

Note: ELE-246

For the NX plugin has been introduced the new input csv file ServiceList.csv.
In order to get a clear example of the file structure, see the attachment ELE-246.zip.

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Note: ELE-279

Into "ServiceList.txt" output file (plugin NX) file have been added the columns "Fluid service code", "Fluid service description" ('fluid_service.id_fl_srvc' and 'fluid_service.des_fl_srvc' in PUMA). The corresponding columns into input file "serviceList.csv" are "FLUID_SERVICE_CODE", "FLUID_SERVICE_DESC".

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Note: ELE-283

The name of the output file P_Class.txt has been changed into P_Classes.txt. Previously the user informed CLA that the file was no more significant, so it wasn't necessary to change the name.

To make effective the modification, the user has to change:

- the name of the sheet P_Class into P_Classes in spec_headers_NX.xml file
- the name of the sheet P_Class into P_Classes in spec_template_NX.xml file
- the name of the sheet P_Class into P_Classes in SHEET_NAME column of ShapeColumns section of file_rule_codelist_NX.xml
- the name of the sheet P_Class into P_Classes in SHEET_NAME column of AppliedNames section of file_rule_codelist_NX.xml

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Module: PM-Aveva PDMS

Notes: 3

Note: ELE-231

During SpcomName output parameter composition, if the single parameter to be concatenated wasn't in string format, ELENA gave an exception.

In order to avoid the error, all the parameters to be concatenated, which don't have string format, are automatically converted into string format.

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Note: ELE-277

The presence of deprecated characters within the SPEC_CODE column of csv input files, avoided the correct generation of the PML files, requested by the AVEVA PDMS CAD input. The anomalous behavior was managed by replacing during the processing phase the deprecated characters with placeholder characters. At the end of the processing phase the placeholder characters are translated back into the original characters: all these changes are made without any action to be done by the user.

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Note: ELE-285

The EQP_CODE column has been inserted into the key column set for the sheets SpcomName and ValveOperators in the file rule_codelist_PM.xml. The use of this column is optional. The user is supposed to add it, only if he/she wants to have a different output, according to this value. If the columns won't be added, the behavior will be the same as in the previous versions.

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Module: SP-Intergraph SP3D

Notes: 6

Note: ELE-236

The columns "COS_CODE" and "COS_DESC" have been added to the key columns for the sheet 'Materials' in rule_codelist_SP.xml file, in order to let the user map materials inserted into materials management system with the construction parameter.

The use of the column is not mandatory: in this way the compatibility with previous versions is granted and the user is left free to use the column only if really needed.

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Note: ELE-244

In the sheet ENds of the file rule_codelist_SP.xml, the column "RAT_CODE" has been added into key (green) columns set, in order to enable 150# WN flanges with different EndStandard mapping. The use of this column is optional, in order to grant compatibility with previous versions and to leave the user free to use this column, only if really needed.

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Note: ELE-245

In case of objects with no compiled values for THK and RAT, Elena reads the data as Undefined. In the case of SP3D, the Undefined value could also be read as a void value, so it's possible that the user inserts duplicates within the sheets PipingGenericDataFemale and PipingGenericDataBolted. The convention assumed that ELENA uses for Schedule and Rating fields "Undefined" value as verification parameter. It is important that the user checks not to have duplicates during the upload. When the user inserts the mapping into sheets PipingGenericDataFemale or PipingGenericDataBolted, he/she must insert new records with the value "Undefined" instead of empty cell.

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Note: ELE-253

During the sheets PipingGenericDataFemale and PipingGenericDataBolted processing phase, ELENA made a wrong duplicates check: in this way, the user got inconsistent warnings. The anomalous behaviour is now avoided by fixing the duplicates check mode.

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Note: ELE-260

During Builder process phase, ELENA needs all combination for end_preparations into MatingPorts sheet in file spec_template_SP.xml, in order to fill some parameters of the GasketSelectionFilter sheet. During this sheet generation, ELENA checked not only the x-y combination, but also the y-x and gave the error message if one of these two was missing: this caused a duplication error during SP3D loading phase. Now ELENA manages an automatic check of only one of the two cases, which is enough for SP3D.

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Note: ELE-271

Gaskets management and bolts generation were optimized: Elena built undesired and in some cases incorrect connection solutions.

Now the user can employ optional mapping sections on rule_project_SP.xml file (one for the gaskets and one for the bolts), where the user can map the desired connection solutions. Elena will carry out a comparison between the data to be written in output and the connection solutions on these sheets; if it won't be no matching in these new mapping sheets, ELENA will delete the corresponding final output record. In this way undesired connections won't be written in the output.

For more details regarding new sheets mapping, see ELE-271.zip file.

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