ELENA – Output files info panel

1 Description

A new panel has been created in the Builder page where the user can consult the following information:

- the user that has executed the Builder
- the processing time
- the result of the processing
- any comments entered by the user relating to the execution
- configuration sets
- input files
- the execution mode of the Builder

The modifications relating to this new feature are as follows:

- creation of a new tab in the Builder page named "Output", inside which a table is displayed, which contains the information relating to the history log of the launches of the Builder
- creation of a text box for the user to enter comments relating to the launch of the processing
- in relation to the modifications referred to in the previous points, the creation logic of the log packets (zip files) of the configurations and the inputs has been varied.

  Previously, when the user executed an upload of the input/configuration files, a log packet was created with the current files (the files existing on the server at the moment of the upload): the date of the log packet coincided with the date on which the upload operation was performed, while the contents of the packet were the files preceding the latest upload.

  It is now possible to modify this function so that the content of the log packet refers to the latest files loaded (in the previous version, the history log of the last files loaded was not created until the following upload).

To enable the new operation mode, the user must set a parameter, as described in the "Modifications to the configuration files" paragraph.

NOTE - it is possible to enable the new functioning on new projects only. Projects already underway must retain the previous operating mode when running and keep the new feature disabled.

2 Modifications to the configuration files

The modification to be made in the Config_XX.xml file (valid for all the Builder's plugins) consists of the addition of the optional "*zip_current_set*" parameter in the "*history*" section.

If the parameter is set on 0 (false), the operation of ELENA will be the same as in previous versions:

- The information panel relating to the previous output packets will not appear
- The text box for the user to enter comments relating to the execution of the Builder will not appear

- The method of managing the history logs of the configuration and input files will be the same as in previous versions

Alternatively, if the parameter is set on 1 (true), the following operation will be obtained:

- Enabling of the new *Output* panel, which contains the table with the information relating to the history log of the execution of the Builder. Note that the tab is enabled in agreement with the permissions set for the *Builder* panel
- In the *Builder* panel under the list of the launch settings there is also a text box, which the user may avail of to enter personal observations relating to the execution of the Builder
- Given the two preceding functions, at the moment of the execution of the Builder (only through a web interface or by means of the *Elena Direct* PUMA module, not in standalone mode), ELENA will save the information to be displayed in the table of the *Output* panel
- After a modification is made to the configuration files or the input files, the management of the history logs copies the packet loaded, renamed with the current date, into the history log folder.

  In the case of Inputs, the user must load the zip file containing all the files produced by the material management system.

  In the case of configuration files, the user can load a subset of configuration files (loading only those s/he has modified). The copy of the file created in the history log folder will hence contain only the files loaded.

  To obtain the dates of the configuration files that will use the Builder for processing, an *About* button will appear (beside the *Download* button in the *Configurations* tab), which will display them.

For further details on the new functions of the web interface, see the following paragraph, “Modifications to the web interface”.

3 Modifications to the web interface

Here below are some illustrations of the web interface showing its new functioning.

The new *Output* panel contains the table with the information relating to the previous executions of the Builder for a given project. The columns of the table are filled with the information saved by ELENA at the moment of execution of the Builder, and they contain the following data:

- **User**: user who launched the processing
- **Output zip**: name of the output zip file
- **Exec time**: time of execution of the processing. If this value is empty, it means that the process was interrupted or was not terminated correctly
- **Settings**: contains the information relating to the flags set for the launch, the *difference* mode selected, and any classes filtered
- **Notes**: contains the comment entered by the user at the moment of executing the Builder giving additional information about the processing
- **Config zip**: contains the information relating to the packet of configurations used for generating the output files
- **Input zip**: contains the information relating to the packet of inputs used for generating the output files.

Note that in the *Settings* and *Notes* fields, the message is shortened to its first characters. If the cursor is positioned over the "..." a popup will appear where the user can read the complete content of the settings and the notes.

As has already been described, the *Notes* field is compiled starting with a comment entered by the user. The text box for entering the comment relating to the processing is located in the *Builder* panel and is shown in the following illustration:

In view of the new operating mode, the latest history log packet can no longer be eliminated. In fact, if the latest history log packet is selected in the Inputs or in the Configurations, the Remove button will remain disabled, as shown in the illustration below:

If the new operation mode is not used (*history.zip_current_set* = 0), the latest packet can be eliminated as in the previous versions.

Lastly, below is shown the "*About*" function, which has already been described in the preceding paragraph, and which allows the user to locate the information relating to the dates of the files present in the folder of the configurations currently in use for the production of the outputs: