Object modification history

The object configuration log records are saved in configuration database.

Log record types

- **CFG** - object configuration
- **IMP** - XML Import of object
- **CVS** - XML Import when the parameter XML Repository in active state is checked off

Common attributes of log records

- **Name, HOBJ** and **UID** of object, the log of which relates to
- **State** (Created, Changed, Renamed or Cancelled object)
- **Modification time**
- **User name** who caused the change
- **Process name** in which the change was made
- **Computer name** on which the change was made
- **Comment** represents an additional description

Note: In case of XML Import, the value in column **Time** represents a time of XML Import executing. Besides it, the object can be configured when it is being changed.
In case of the object configuration the value in column **Time** represents the time of the object change.

Another attributes of log records (CVS)

The attributes gained from the imported XML file are:

- **CRC flag** - CRC can be defined, invalid or OK
- **Modification time from XML** - the value gained from XML file (tag)
- **CVS date, CVS revision** and **CVS author**
- **CVS State** - evaluation of CRC flag, Modification time from XML, CVS date, CVS revision and CVS author (more information is mentioned in XML Repository)

Log records limitation

The maximum number of logs for one object is set by an application parameter *LogRecsLimit*. Its default value is 7.

Changes in configuration dialog window

Log records can be shown in the dialog window **Changes in configuration**:

- through the CNF main menu choosing the item **Objects** -> **History** (shows the log records according to the filter saved in system registry)
- through the popup menu opened above the object list and choosing the item History watch (shows the log records according to filter conditions of given object - see Note)

Note: If the uid of the object, which the menu appeared above, is visible ("magnifier" button is on), the **object history** will be searched upon this object uid. Otherwise, the warning will be shown and it will be searched upon the object name.

Functions of dialog window:

Fit the column width to contents

If the parameter is checked off and the user clicks on button **Find,** the column width will be fit to the contents (including the column name).

Show the columns for CVS

Enables to hide or show the another attributes of log records (CVS).

Field showing the number of records (1)

Process of searching is indicated by red color of field. When the searching is being finished the field will be green and the window will contain the records.

Filter of searching

Searching according to:

- **object name** (also through the mask)
- **object uid** (also through the mask)
- **modification time** (from - to)
- log **status** (Created, Changed, Renamed and Deleted)
- **user name**, **process name**, **computer name**
- **types** of log records

Button	Function
Find	Finds all records according to filter.
Delete filter	Deletes the defined conditions of filter. It enables to show all the log records in system (Warning! It does not delete filter saved in the system registry.
Save filter	Save the current conditions of filter into system registry. When the dialog window is opened through the CNF main menu **Objects** -> **History**, these saved conditions will be shown.
Cancel	Return to the CNF.

Filter for searching operates as follows:

- Only the records suitable for all entered conditions together are displayed (AND).
- The filter conditions in **Status** group or in **Type** group are in relation OR.
- Empty filter for lower (from) or upper (to) modification time means, that no restrictions for time tag is set.

- Filter for object name, user name or process name can be set by dialog window after keystroke on the right from the text field.

Copy the changes to a clipboard

The selected rows in the table may be copied to a clipboard in CVS format by the shortcut CTRL+C. There are copied only visible columns to the clipboard. To copy only names of objects (i.e. the first column of the table) in the CSV format to the clipboard, use the shortcut CTRL+B.
Note: To choose all rows, you may use the shortcut CTRL+A.