Subject: RADICORE V2.10.0 released
Posted by AJM on Wed, 01 Aug 2018 14:16:54 GMT
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This version contains a mixture of small updates and bug fixes. It also includes a fix for a BC break which appeared in PHP version 7.2 without warning, plus an update for when MySQL version 8 is in use so that it can use a Common Table Expression (CTE) for reading hierarchical structures.

Database changes:
- none

Other changes:
updated std.help.inc to add flush() just before exit so that the buffer is cleared before it enters the shutdown_handler() function (which is defined in file error.inc).
updated std.output3.inc and std.filedownload1.inc to flush the output buffer so that nothing is left over for processing by the shutdown_handler() function.
updated std.datevalidation.class to improve validation in the getInternalDate() method.
updated audit_tbl_s01.class.inc and audit_tbl_s02.class.inc to change addslashes() to addcslashes() so as not to escape double-quotes in the WHERE string.
updated audit_trn.class.inc and audit_ssn.class.inc to fix a missing value in the trn/ssn_datetime field.
updated php_session.class.inc to change arguments on calls to the logstuff() function.
updated dml.mysqli.class.inc to set the correct size value for unsigned numbers.
updated output4.screen.inc in DEFAULT folder to incorporate changes made to the OUTPUT4 pattern.
updated _cm_pre_getData() method in dict_table.class.inc to deal with the possibility of using an alias name.
updated logon.class.inc to look for a value to populate $_SESSION['party_id_functional'] in those installations which have a PARTY subsystem.
updated mnu_task_s02.class.inc to move processing from the _cm_validateUpdate() method to the _cm_pre_updateRecord() method.
fixed bug in mnu_task_s04.class.inc which did not allow for a user having multiple roles.
fixed bug in mnu_nav_button.class.inc where the getNavButtons() method selected the 'task_desc' field instead of the 'task_name' field.
fixed minor bugs in wf_workflow.class.inc, wf_workitem.class.inc and wf_arc.class.inc.
updated workflow_engine.class.inc so that error messages are obtained from the language file in the correct directory.
updated include.library.inc to fix bug in array_update_indexed() function.
updated include.library.inc to cause the array2where() and selection2where() functions to use addcslashes() instead of addslashes() so that only single quotes are escaped.
updated include.library.inc to allow the getForeignKeyValues() function to work in the direction child-to-parent as well as parent-to-child.
updated include.library.inc to fix bug in the getPostArray() function.
updated include.library.inc to allow the getTimeStamp() function to optionally use the user's timezone instead of the server's timezone.
updated include.library.inc to allow the logStuff() function to deal with the $input argument as an array as well as a string.

updated include.library.inc to force the logSqlQuery() function to write to the correct directory.
updated include.library.inc to force the pasteData() function to not overwrite a date with an earlier date.
updated std.tree_view1.inc and std.tree_view2.inc to call getExtraData() method, and to accept search criteria.
updated std.tree_view1.inc and std.tree_view2.inc to call the getCollapsed() method.
updated std.search1.inc to put the call to getInternalDate() in a try/catch block so that it can deal with invalid dates correctly.
updated std.search1.inc so that if the output from $dbobject->post_search() is an indexed array it will be converted into an associative array.
updated include.session.inc and include.batch.inc to deal with a BC break that was introduced in version 7.2 (see http://www.tonymarston.net/php-mysql/bc-break-in-7.2.html for details).
updated include.batch.inc so that the batchScriptSequence() function can properly handle the situation when the scriptSequence() function is used in a CLI/background task.
updated error.inc to change the sequence in which the data is output to the screen and written to the disk file.
updated std.pdf.class.inc to allow a field definition in the ???.report.inc file to override the border settings for the current style. This will allow the top/bottom/left/right borders of a cell to be either added or removed.
updated include.xml.php5.inc so that if a checkbox field does not have a value specified for optionlist it will default to the standard 'boolean' optionlist.
updated output4_header.class.inc so that the _cm_updateFieldarray() method will allow unwanted values to be removed from the $postarray argument.
updated std.add1/2.inc to include a call to $dbobject->changeActionButtons() to see if any buttons have been changed or deleted.
updated std.add1/2.inc to include a call to $dbobject->quitButton() before returning to the previous script.
updated std.csv.class.inc so that the outputCSV() method will nullify the $csvouth variable after it has been closed so that the controller (std.output1.inc) will not try to close it itself.
fixed bug in std.link1.inc where it used $fieldarray instead of $outer_data.
updated std.update1.inc so that if the CANCEL button is pressed it will call $dbobject->quitButton() before returning to the previous script.
updated std.multi6.inc so that the calls to ->setFieldArray() do not reset $pageno and $numrows.
updated std.multi6.inc so that the calls to ->updateFieldArray() include the switch which causes the call to _cm_commonValidation() to be skipped. This validation method will instead be called after the data has been re-fetched.
updated std.multi6.inc to fix the pagination/scrolling issues caused by the $middle entity being allowed to contain either a single row (detail view) or several rows (list view).
updated std.table.class.inc to include the array variable $drop_from_sql_select which will cause the nominated fields to be dropped from the SELECT clause of the SQL query when the _sqlAssembleWhere() method is called.
updated std.table.class.inc to include the changeActionButtons() and _cm_changeActionButtons() methods to deal with the circumstances where action buttons are renamed.
updated std.table.class.inc so that the clearEditableData() method will not clear any field which has the 'noclear' attribute set.
updated std.table.class.inc to fix bug in currentOrHistoric() method so that it will not fail if the current table does not actually have a start_date and end_date field.
updated std.table.class.inc so that the fetchRowChild() method will populate the object's

$parent_data so that a call to getParentData() will provide the data for this child's parent.
updated std.table.class.inc so that the formatData() method can handle date and datetime fields properly.
updated std.table.class.inc so that the getColumnNames() method (as used in output4 patterns) will show a checkbox instead of a dropdown for the 'selected' field.
updated std.table.class.inc to that the getData_raw() method will call the qualifyWhere() function on the $sql_search variable if it is not empty.
updated std.table.class.inc so that the getParentData() method now includes an argument ($first_row_only=false) which can be set to TRUE so that the first row is returned as an associative array instead of a possible indexed array.
updated std.table.class.inc so that when the getData_serial() method calls getParentData() it causes it to return an associative array instead of an indexed array.
updated std.table.class.inc so that the getExtraData() method includes an extra argument ($no_foreign_data=false) which can be set to TRUE to cause the call to getForeignData() to be skipped.
updated std.table.class.inc so that the getFieldArray() method includes an argument ($first_row_only=false) which can be set to TRUE to cause it return the first row as an associative array instead of all available rows in an indexed array.
updated std.table.class.inc so that the getForeigndata() method can correctly handle the situation where an entry in $parent_relations contains a value for 'alias'.
updated std.table.class.inc to comment out redundant code in the getNodeData() method.
updated std.table.class.inc to include the getCollapsed() method for use in the tree1 and tree2 patterns.
updated std.table.class.inc so that the initialise() method will ignore any values in the $_SESSION['search'] array which are not strings.
updated std.table.class.inc so that the insertRecord() method will not supply the $old_data argument on the call to the _cm_commonValidation() method.
updated std.table.class.inc so that the setFieldarray() method includes an extra argument ($reset_numrows=true) which can be set to FALSE so that the value in $this->numrows is not reset.
updated std.table.class.inc so that the updateFieldArray() method includes an extra argument ($perform_validation=true) which can be set to FALSE so that the call to _cm_commValidation() will be skipped.
updated std.table.class.inc so that the updateMultiple() method will ignore fields which do not exist in $this->fieldspec when copying data from the POST array to the object's $fieldarray.
updated std.table.class.inc so that the _dml_getData() and _dml_getData_serial() methods can pass the data for Common Table Expressions to the database object.
updated std.table.class.inc by adding the findDBVersion() method. This is to allow the use of MySQL version 8 to be detected so that an SQL query which is a Common Table Expression (CTE) can be used to traverse hierarchical structures.
updated dml.mysql/sqlsrv/pgsql/oracle.class.inc to allow a Common Table Expressions (CTE) to be used in hierarchical structures which are displayed using std.tree_view1/2.inc. Note that this is not available for MySQL unless you are using version 8.
updated _cm_getNodeData() method in x_tree_structure(tree2).php (XAMPLE subsystem) to show how Common Table Expressions can be used.