

CyFlex® Release Notes

Release Version 6.3.39 and 7.0.13

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Developed by TRP Laboratories

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Overview

This release notes document identifies and describes the updates for CyFlex version 6.3.39 and 7.0.13. The following link contains Jira issues within this release: [cyflex.6.3.39 and 7.0.13 - Jira Issues](#)

Refer to *Installation Notes* below for install-related considerations.

Installation Notes

[CFBUG-3198](#) - IMPORTANT:

tclogbook rpm must be uninstalled before CyFlex 6.3.39 or 7.0.13 are installed because of an order of operations regarding the configuration files that the old tclogbook rpm has in its uninstall scripts.

To uninstall tclogbook use: `rpm -e --nodeps tclogbook`

[CFBUG-3194](#) - CSAR related:

It is possible to have duplicate CSAR variable names when using multiple ECMs. To keep unique names in the system the mapping uses the ECM as a prefix to each CSAR variable. If there is only one CSAR variable that is unique without the prefix then the ECM prefix can be omitted when using it with CyFlex applications. If the variable name is duplicated across ECMs then the ECM prefix will need to be included when referencing the CSAR variable. The prefix takes the form ECMxxx_ where xxx is the ECM number, i.e., ECM1_ to make ECM1_variable-long-csar-name.

CSAR variable strings with longer lengths and special characters not allowed in CyFlex variables can be used. Variables are created through `asam3_specs` and `asam3_initvar`. Once created, the CSAR variable names can be used in place of cyflex variable names in the following applications:

- floger
- svar
- gvar
- gval
- gvals

floger: @SCAN_LIST can contain CSAR variable names.

CSAR variable names can be written to the header in the data file.

CSAR variable names with ECM prefix can be written to the data file.

CSAR external names can be written to the data file.

Keyword @CSAR_LABEL has been added. See logr_spec.def for details.

CLI arg csar_label= has been added which takes the same value strings (csar, prefix, ext) as @CSAR_LABEL to perform the same functionality.

dump_csar_lookup: Application to dump the CSAR lookup table. Use the -h for a list of options. Options notable for users are -c and -C. The -c option dumps a CSV list of the mapping between cyflex variables, CSAR variables, external names, and owners. The -C option does the same but includes the ECM prefix on the CSAR name.

[CFBUG-3162](#) – ev_tcp related:

Log files for both ev_tcp_send and ev_tcp_receive are now persistent in /data/errors instead of the ram drive.

[CFBUG-3137](#) – tranMove related:

The @DESTINATION keyword will be used for an entry that has \$NODE specified. This issue arose from a cell not having the site_special entries specified, so the host, acct, and pass were all blank. It was determined that having a different file other than the spec file controlling the information is more confusing overall. The site_special will still be used if nothing is specified as the destination.

[CFBUG-3103](#) – darts_datapoint related:

darts_datapoint has a new argument, "-d" which can be run like:

```
darts_datapoint -d &
```

```
darts_datapoint /specs/darts_specs.xxx -d &
```

This will generate an error for every missing variable name.

Obsoleted Applications

Release Note	Applications, Scripts, or libraries
CFBUG-3123	allcells_BAK
CFBUG-3166	fl_user, fl_user_bak, port_p_limit, air_off, and flow_bench

Issue Type and Jira Issue Legends

Refer to the following legend for **Issue Type**:

Issue Type Key	Definition
NF	New feature
B	Bug
I	Improvement

X = denotes additional information about change within the **Related Jira Issue**.

General Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
emcon_comm	N	B	CFBUG-3199	Modification to allow emcon_comm to connect to emcon on 64bit systems
tclogbook RPM	Y	B	CFBUG-3198	tclogbook RPM has been modified to include preinstall sections to eliminate removal of files when new versions of the RPM is installed
floger	N	B	CFBUG-3195	Modification to fix floger memory allocation error

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
libcsar.so asam3_specs asam3_initvar dump_csar_lookup svar gvar gval gvals	Y	NF	CFBUG-3194	Allows the use of CSAR variable strings
fa_total	N	B	CFBUG-3192	Modification to only allow one instance to be running
delay /specs.def/delay.NNN	N	I	CFBUG-3191	Increased the number of channels from 32 to 256 within the delay program
libelog.so	N	B	CFBUG-3182	logbook comments limited to 4000 characters to prevent issues
arr_specs	N	I	CFBUG-3179	Modification to eliminate core dump
datapoint darts_datapoint ev_tcp_specs libasset.so	N	I	CFBUG-3177	If pnp file does not exist, do not log an error

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
ai_modbus_tcp ao_modbus_tcp di_modbus_tcp do_modbus_tcp ai_modbus_serial ao_modbus_serial di_modbus_serial do_modbus_serial modbus_srvr_tcp modbus_srvr_serial modbus_stream_serial	N	B	CFBUG-3171	Added 2 new arguments for modbus_srvr to read the registers one at a time
gen_labels	N	I	CFBUG-3169	Switched End of File Error messages in gen_labels to print to the error database instead of just to the terminal
devcom_mon	N	I	CFBUG-3168	Improved 2 error messages of devcom_mon
integrity_interface	N	B	CFBUG-3167	Modification to add a check to make sure the returned Integrity ID is a numerical value
fl_user fl_user_bak port_p_limit air_off flow_bench	N	I	CFBUG-3166	Deprecate the fl_user, fl_user_bak, port_p_limit, air_off, and flow_bench executables
libasset.so	N	B	CFBUG-3165	Modification to set the user permissions of the file which is being appended to when the file is created
asam3cli asam3_specs asam3_poll	N	B	CFBUG-3164	Update to asam3_specs, asam3_poll, and asam3cli to better support current versions of CANape

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
ev_tcp_send ev_tcp_receive threading/thread_pool	Y	I	CFBUG-3162	Improved performance and stability of ev_tcp_send and ev_tcp_receive. Eliminated possible deadlock scenario. Writes error to log file instead of terminal. Changed log entries to ev_tcp_receive to include more information.
eblox_srvr eblox_tst do_eblox di_eblox ao_eblox ai_eblox di_snapio ai_snapio	N	B	CFBUG-3161	Modification to slay programs when slay_stuff performed
vzs_sensor	N	B	CFBUG-3160	slay_stuff now slays vzs_sensor properly in CyFlex 7
set_color	N	B	CFBUG-3157	Fixed so it evaluates a computed expression as the second argument
tranMove libasset.so	N	B	CFBUG-3156	Changes made to eliminate truncation of the filename within the transfer functions - allow filenames longer than 48 characters to be used
ecat_srvr	N	B	CFBUG-3155	ecat_srvr automatically starts with the number of masters in the sysconfig file
bld_tables libasset.so	N	B	CFBUG-3154	Fixed problem where loc_two_d_# tables were not getting refreshed when bld_tables is executed
arr_specs	N	B	CFBUG-3153	Correct file name now shows up in error message for arr_specs

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
libelog.so errors.h	N	I	CFBUG-3152	Added the ELOG_PULL_EVENT_MISSING error code and reference in elog library functions
emcon_comm	N	B	CFBUG-3151	Added extra debug and changes to priority for emcon_comm
libsocc.so	N	B	CFBUG-3149	Fixed the /data/meters/occ/occ.log.## filename to not contain spaces
libesvd_nface10c.so libesvd_nface12.so	N	I	CFBUG-3147	Add the corresponding PAM_keyword to the error message when a duplicate channel is found
dlogger	N	B	CFBUG-3146	Fixed a problem where the units for variables was getting written as junk to the dlogger output file if the variable is specified within the @SCAN_LIST_AUX_USER section
channel.dat parameter.dat units.dat	N	I	CFBUG-3145	Several revisions to .dat files on 08/03/2023
cyflex/cmds/slay_stuff	N	B	CFBUG-3144	Modify slay_stuff to not write the /tmp/slay_stuff_status file when slay_stuff is executed with sudo
eng_specs darts_datapoint	N	B	CFBUG-3143	Added debug options to display resolution on the pnp files
get_comp	N	B	CFBUG-3142	get_comp now prints usage and exits instead of core dumping if no arguments are supplied
gp_test	N	B	CFBUG-3141	Fixed gp_test from core dumping when in suspend for too long
cvar	N	B	CFBUG-3140	cvar will now set both the display_format and display_resolution on REAL type variables

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
tranMove	Y	B	CFBUG-3137	tranMove will now use the @DESTINATION keyword instead of the site_special
mk_data_dirs_tc	N	B	CFBUG-3130	mk_data_dirs_tc now properly changes ownership of /data and its sub directories
limit_specs	N	NF	CFBUG-3127	Error message added that will let the user know when the active limit spec max has been exceeded during multi-spec file translations
dc_MON2	N	I	CFBUG-3125	Fixed warnings relating to variables of different signedness and buffer size of cmd array
allcells_BAK	Y	I	CFBUG-3123	Deprecate the allcells_BAK executable
darts_datapoint	N	I	CFBUG-3104	darts_datapoint creates the datapoint file if it is not already created
darts_datapoint	Y	B	CFBUG-3103	Added a new argument for darts_datapoint to display missing variables
garr	N	B	CFBUG-3031	garr is allowed to use String Variables to contain array enumerations now
libasset.so /specs.def/props.def & set_composition.def	N	B	CFBUG-3029	Checks added and better error messages when attempting to create/find variables
libasset.so libstat.so vrbls_to_stat	N	B	CFBUG-3025	Several problems fixed relating to vrbls_to_stat and the array_to_stat user functions

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
eng_ctrl_specs eng_ctrl_task user_ctrl_specs user_ctrl_task /specs.def/eng_ctrl_specs.def /specs.def/user_ctrl_specs.def	N	NF	CFBUG-2998	Issue fixed where torque feedback was wrong until the engine control mode was changed. Error checking of variable owner added

Central Server Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
push_server	N	B	CFBUG-3159	push_server gets terminated properly by slay_stuff

Java Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
msu_edit	N	I	n/a	Improved Maximo rest interface integration per input from Ryan Lauer

QT Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
tcal_util /specs/cmds/slay_stuff slay_layer	N	B	CFBUG-3190	tcal_util slays properly when slay_stuff is executed
libQt5cyflexplugin_sql.so runqtui operator display ui	N	B	CFBUG-3174	Prevent msu widget from crashing operator display
libQt5cyflexmaximo.so	N	B	CFBUG-3170	Updated Maximo widget of CyFlex 7 to use Firefox

Transient Emission Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
all esvd related programs	N	I	CFBUG-3176	Add code to look at an environment variable to set the process priority properly

Weighroom Applications

Application, Script, or Library	Install Note Above	Issue Type	Bug Fix Name	Description
filter_detail_rpt	N	I	CFBUG-3181	Modification to change the start and end times of the environment data and retrieve 1 record before the start time and 1 record after the end time
filter_detail_rpt	N	I	CFBUG-3163	Modification to change the query end date_time value to include 1 additional record from the env table to code the load_time and post test weighing date time

Release Notes for Previous cyflex.6.3 and 7.0 Versions

CyFlex 6.3.38 and 7.0.12	CyFlex 6.3.32	CyFlex 6.3.25
CyFlex 6.3.37 and 7.0.11	CyFlex 6.3.29	CyFlex 6.3.24
CyFlex 6.3.36 and 7.0.10	CyFlex 6.3.28	CyFlex 6.3.23
CyFlex 6.3.34 and 7.0.9b	CyFlex 6.3.27	CyFlex 6.3.21
CyFlex 6.3.33 and 7.0.8b	CyFlex 6.3.26	CyFlex 6.3.19 - Initial Release