

Local Commands	
command	description
alias	Show or set a specific yangcli-pro command alias.
aliases	Manage yangcli-pro command aliases.
auto-test	Run automatic edit testing on the specified session.
cache	Clear 1 or all entries from the YANG module cache.
cd	Change the current working directory.
config	Enter the configuration mode for the current session.
connect	Connect to a server and start a NETCONF session.
device-cfg	Access a named device configuration.
devices-cfg	Access the named device configuration file.
elif	Start an 'else-if' conditional block.
else	Start an 'else' conditional block.
end	End an 'if' or 'while' block.
eval	Evaluate an XPath expression.
eventlog	View or clear the notification event log.
exit	Exit configuration mode for the current session.
fill	Fill a user variable.
group	Manage the session groups.
help	Get context-sensitive help.
history	Manage the command history buffer.
if	Start an 'if' conditional block.
list	List modules, objects, or other properties of the session.
log-debug	Log a debug message.
log-error	Log an error message.
log-info	Log an info message.
log-warn	Log a warning message.
mgrload	Load a YANG file into the client only.
nvsave	Save the running datastore to the startup datastore.
pwd	Print the current working directory.
quit	Exit the program.
recall	Recall a line from the command history buffer.
record-test	Record commands and responses for a regression test.
run	Run a script.
session	Set the current session.
session-cfg	Access a named session configuration.
sessions-cfg	Access the named session configuration file.
show	Show variables and objects currently available.
start-rpc-timing	Start <rpc> timing mode and save statistics to a file.
stop-session	Stop a named session.
stop-timer	Stop a script timer and display the elapsed time.
test-suite	Access a configured unit-test suite for automated testing.
user-cfg	Access a named user configuration.
users-cfg	Access the named user configuration file.
update-config	Update the shadow configuration for the current session.
unset	Remove a command alias from memory.
uservars	Manage the yangcli-pro user variables.
while	Start a 'while' conditional loop block.

Standard NETCONF Commands	
command	description
cancel-commit	Cancel the current confirmed commit procedure.
close-session	Close the current NETCONF session.
commit	Make the candidate database be the running config.
copy-config	Copy an entire NETCONF database.
create-subscription	Start receiving NETCONF notifications.
delete-config	Delete an entire NETCONF database.
discard-changes	Discard any edits in the candidate database.
edit-config	Alteration of the target database.
get	Filtered retrieval of state data and running config.
get-config	Filtered retrieval of any NETCONF database.
get-schema	Get a data model definition file from the server.
kill-session	Force close another NETCONF session.
lock	Lock a NETCONF database that is currently unlocked.
unlock	Unlock a NETCONF database that is currently locked.
validate	Validate the contents of a NETCONF database.

Custom NETCONF Commands	
command	description
create	Invoke an <edit-config> create operation.
delete	Invoke an <edit-config> delete operation.
get-locks	Lock all the databases with the <lock> operation.
insert	Invoke an <edit-config> YANG insert operation.
merge	Invoke an <edit-config> merge operation.
release-locks	Unlock all the databases with the <unlock> operation.
remove	Invoke an <edit-config> remove operation.
replace	Invoke an <edit-config> replace operation.
save	Save the current edits on the server in NV-storage.
sget	Invoke a <get> operation with a subtree filter.
sget-config	Invoke a <get-config> operation with a subtree filter.
xget	Invoke a <get> operation with an XPath filter.
xget-config	Invoke a <get-config> operation with an XPath filter.

Extended netconfd-pro Commands	
command	description
get-my-session	Retrieve session customization parameters.
load	Load a module into the server.
no-op	No operation.
restart	Restart the server.
set-log-level	Set the server logging verbosity level.
set-my-session	Set session customization parameters.
shutdown	Shutdown the server.

Configuration Mode Commands	
command	description
apply	Apply any pending edits to the current session.
do	Run a command in configuration mode.
no	Prefix to configuration mode command used to delete a node.

yangcli-pro

Command Reference

yangcli-pro Context Sensitive Help

command	description
<tab>	Lists all possible command completions.
?	Prints help for all commands.
help <command name>	Prints help for the specified command.
help object /path/to/object/	Prints the YANG definitionfor the specified object.

yangcli-pro Statements

type	description	example
command	Invoke a local command and/or send an <rpc> to the server.	sget /system
variable assignment	Set a user variable to some value.	\$system = sget /system
file assignment	Set the contents of a file to some value.	@save.txt = \$system
variable deletion	delete a user variable or clear a system variable.	\$system =

yangcli-pro.conf and CLI Parameters

parameter	description
--aliases-file	Specifies the command aliases file to use.
--alt-names	Controls whether alternate names will be checked for UriPath searches.
--ask-password	Controls whether the 'connect' command will prompt for password parameter (if it is not provided).
--autoaliases	Controls automatic loading and saving of the command aliases.
--autocomp	Controls whether partial commands are allowed or not.
--autoconfig	Controls whether the running configuration will be retrieved automatically for active sessions.
--autodevices	Controls whether saved device configurations are loaded at startup and saved upon exit.
--autohistory	Controls whether the command line history buffer will be automatically loaded at startup and saved on exit.
--autoload	Controls whether modules used by the server will be loaded automatically, as needed.
-autoload-cache	Controls whether the modules retrieved with the <get-schema> operation are cached for use by the instance of yangcli-pro running.
-autoload-get	Controls whether the <get> operation will be used to retrieve the /netconf-state/schemas sub-tree.
-autoload-save-cache	Controls whether the modules held in the YANG module cache (retrieved with the <get-schema> operation) are saved when yangcli-pro exits.
--autonotif	Controls whether notifications will automatically be enabled when a session starts.
--autonvsave	Controls whether the 'save' and 'apply' commands will NV-save the configuration changes or not.
--autosessions	Controls whether saved session configurations are loaded at startup and saved upon exit.
--autotest	Controls whether the saved test suites will be loaded into memory at startup and saved to file at exit.
--autousers	Controls whether saved user configurations are loaded at startup and saved upon exit.
--autouservars	Controls automatic loading and saving of the global user variables.
--bad-data	Controls how bad data about to be sent to the server is handled.
--batch-mode	Indicates the interactive shell should not be used
--check-output	Controls whether YANG <rpc> validation is done.
--check-output-error	Controls whether YANG <rpc> validation errors are treated as errors or warnings.
--check-replies	Controls whether YANG <rpc-reply> validation is done.
--check-replies-error	Controls whether YANG <rpc-reply> validation errors are treated as errors or warnings.
--config	Specifies the configuration file to use for parameters. The --no-config option can be used instead to prevent the default config file from being used.
--config-autosave	Controls how edits in config term mode are saved to NV-storage if the server supports the :startup capability.
--config-edit-mode	Controls how edits are applied during configuration mode.
--datapath	Sets the data file search path.
--default-module	Specifies the default module to use to resolve identifiers.
--deviation	Specifies one or more YANG modules to load as deviations.
--display-mode	Specifies how values should be displayed.
--echo-notif-loglevel	Specifies the log-level needed to echo unregistered notifications to the log and/or STDOUT.
--echo-notifs	Specifies whether unregistered notifications will be output to the log or STDOUT.
--echo-replies	Controls whether RPC replies will be displayed in the log output, if log-level >= 'info'.
--feature-disable	Leaf list of features to disable.
--feature-enable	Specifies a feature that should be enabled.
--feature-enable-default	Specifies if a feature should be enabled or disabled by default.
--fixorder	Controls whether PDUs are changed to canonical order before sending them to the server.
--force-target	Controls whether the candidate or running configuration datastore will be used as the default edit target, when both are supported by the server.
--help	Get program help.
--help-mode	Adjust the help output (--brief or --full).
--home	Override the \$HOME environment variable.
--ignore-missing-vars	Specifies whether a missing variable in a data template is an error or the variable expands to an empty string.
--indent	Specifies the indent count to use when writing data.

parameter	description
--log	Specifies the log file to use instead of STDOUT. See the YumaPro User Manual for a general discussion of logging.
--log-append	Controls whether a log file will be reused or overwritten.
--log-backtrace	Append stack trace information to log messages.
--log-backtrace-detail	Add additional (compiler/OS dependent) detail to stack trace information.
--log-backtrace-level	Specify message level(s) for which stack trace information will be generated.
--log-backtrace-stream	Include stack trace information in the specified output stream(s).
--log-console	Specifies that log output will be sent to STDOUT after being sent to log file and/or syslog (assumes --log=file and/or --log=syslog are present).
--log-header	Include additional information (level/date/time) with log message.
--log-level	Specifies verbosity level of log message output.
--log-mirroring	Synonym for log-console.
--log-stderr	Specifies that error level log messages will be sent to STDERR.
--log-suppress-ctrl	If present, strip certain control characters from output in order to modify log formatting.
--log-syslog	Send log message output to the syslog daemon.
--match-names	Match mode to use for UriPath searches
--message-indent	The number of spaces to indent for each level of output in a protocol message, e.g. NETCONF request.
--modpath	Sets the module search path.
--module	Specifies one or more YANG modules to load upon startup.
--ncport	Specifies the NETCONF server port number to use in the connect command.
--no-config	Specifies that the default configuration file should not be loaded if it exists.
--password	Specifies the password to use in the connect command.
--private-key	Contains the file path specification for the file containing the client-side private key.
--protocols	Controls which NETCONF protocol versions will be enabled.
--public-key	Contains the file path specification for the file containing the client-side public key.
--runpath	Sets the executable file search path.
--run-command	Specifies the command to run at startup time.
--run-script	Specifies the script to run at startup time.
--save-session-vars	Specifies if session variables will be saved when the program exits.
--script-input	Controls whether the program will stop for input when running a script in interactive mode.
--server	Specifies the server address to use in the connect command.
--subdirs	Specifies whether child sub-directories should be searched when looking for files.
--test-suite-file	Specifies the name of the test suite file to load if --autotest=true. The default value is \$HOME/.yumapro/yangcli_pro_tests.conf.
--time-rpcs	Measure the round-trip time of each <rpc> request and <rpc-reply> at the session level.
--time-rpcs-stats	Save rpc statistics to the specified or default statistics file if the time-rpcs variable is also true.
--time-rpcs-stats-file	Save rpc statistics to the specified file if the --time-rpc-stats and time-rpcs variables are true. The default value is \$HOME/yangcli_pro_rpc_stats.txt.
--timeout	Specifies the timeout to use in the connect command.
--transport	Specifies the transport protocol to use (ssh, tcp, or tpc-nex).
--use-data-templates	Controls whether data templates are enabled.
--use-rawxml	Controls how file result variables will be read. If true then the YANG object template will not be used when parsing the XML file.
--use-traceid	Controls whether the 'trace-id' attribute will be set in the RPC calls or not. By default, 'trace-id' attribute is disabled.
--use-session-vars	Controls how global variables will be handled when set from the context of a named session. If true then session-specific variables will be used.
--use-xmlheader	Specifies how file result variables will be written for XML files. Controls whether the XML preamble header will be written or not.
--user	The default user name for NETCONF sessions.
--uservars-file	Specifies the global user variable files to load.
--version	Prints the program version and exits.
--warn-idlen	Controls how identifier lengths are checked.
--warn-linelen	Controls how line lengths are checked.
--warn-off	Suppresses the specified warning number.
--yumapro-home	Specifies the \$YUMAPRO_HOME project root to use when searching for files.