

Common FactoryLink Program Arguments

The following table contains valid* program arguments for those tasks and utilities that accept program arguments.

FactoryLink Task	Arguments	Descriptions
AB__Rapd	<p>-D<#> or -d<#></p> <p>-l<#></p> <p>-R<#> or -r<#></p> <p>-T<#> or -t<#></p> <p>-LS<#></p> <p>-U or -u</p>	<p>Print debug information of all levels in shared domain window.</p> <p>Log debug information of all levels to the ab__rapd log file.</p> <p>Enables a retry if error 34 received from RSLinx. (# = 0 to 10)</p> <p>Sets the delay time if retry is enabled. (# = 10 to 2000 in tenths of seconds)</p> <p>Locale Station ID, Used if setting up two apps for redundancy and you wish to use mailbox redundancy (explained in the VRN manual) (# must be a unique number to the network and the same as the -LS # used in IOXLATOR in the same app.)</p> <p>Enables debug messages for the unsolicited thread.</p>
Alarm Logger	<p>-A</p> <p>-D<#></p> <p>-F</p> <p>-G</p> <p>-H<#></p> <p>-I</p> <p>-L</p> <p>-lan=<x>[:<y>[:<z>]]</p> <p>-M<#></p> <p>-O</p> <p>-Q<#></p> <p>-S or -s</p> <p>-W</p>	<p>Disables the printing of "Return-to-Normal" message for digital toggle alarms only. It only disables the sending of the "Return-to-Normal" message to the printer. It is still logged in the database.</p> <p>Set debug log level for Run-Time Manager output window. (# = 1 to 9)</p> <p>Freezes initial text display of alarms configured with %s (C-style) variables.</p> <p>Ignore remote log settings.</p> <p>Set Historian timeout parameter. (# = 5 to 30 seconds)</p> <p>Leave Node ID embedded in sequence (for database logging).</p> <p>Enables logging of debug information to a log file.</p> <p><x> - pending outgoing mailbox message limit</p> <p><y> - max wait in seconds to send rebind message when limit reached.</p> <p><z> - max wait in seconds to send update message when limit reached.</p> <p>Set maximum number of records in Alarm log text file (# = 1 to 1000).</p> <p>Set "log once" mode.</p> <p>Set warning limit for Historian maximum number of outstanding responses.</p> <p>Sleep before re-entering DTP wait. This would be used when a lot of alarms are configured which change often but do not result in very many alarms.</p> <p>Warm start; use/maintain a Persistence file of alarms.</p>
Alarm Server	-d9	Set debug log level (Use DebugView to see output.)

Alarm Viewer (ECS Graph)	-D# or -d# -f or -F -L# or -l#	Set debug level, # = 1 to 9 Freeze alarm text (do not update with each view-change) Log debug information in log file, # - 1 to 9
Batch Recipe	-L or -l - -V	Enables logging of debug information to a log file. Does the same as argument -L.
Bh_sql	-F <InputScript> or -f <InputScript> -L <Logfile> or -l <Logfile>	Executes commands referenced in a script file. Redirects the Bh_sql consol output to a log file.
Client Builder	/Runtime /Runtime(Workspacesize) /Runtime(MainWindowBehavior) /OpenMimic:Name,branch /BinSave:SaveName /Cache /CacheAllMimics /NetClient /RegServer /UnRegServer	Starts Client Builder in run mode with no menu or toolbars. Client Builder main window is maximized. Starts Client Builder in run mode with no menu or toolbars. Client Builder main window honors the parameters defined in the workspace. NOTE: You enter the word "Workspacesize", not the size of the work space. e.g. /Runtime(Workspacesize) is correct /Runtime(2048x768) is wrong. Starts Client Builder in run mode with no menu or toolbars. Client Builder main window honors the Workspace size settings and the Workspace Behavior settings. Opens the selected window and branch. Optionally used with OpenMimic option. Converts the mimic specified in the OpenMimic parameter from ASCII to binary format. If the SaveName option is not included, the mimic is saved using the original mimic name and replacing the ASCII version. Note: If this option is used, Client Builder, along with the specified window, opens in minimized mode; that is, you can see it as an icon on the task bar. Mimics open more quickly in binary format than in ASCII format. Should be used with the Web Client option to download all project files from the server when changed. Forces all Mimics to be cached Starts Client Builder in .NET Client Mode. The Servers definition is replaced with one that references the .NET Client Bridge. Registers Client Builder.exe with the Operating System Unregisters Client Builder.exe with the Operating System

Ctgen	-A<appdir> or -a<appdir> -C or -c -D or -d -F or -f -G or -g -I or -I -O or -o -R or -r -V<#> or -v<#>	Set drive & directory for application to <appdir> Clear all tag number. Execute a dependency check on ctlist. Force a recalculation of the tags Ignore missing graphics. Input Script On-line restart Rebuild all CTs Set verbose level. (# = 1 to 4)
Database Browser	-L or -l -N or -n -S# or -s# -V# or -v# -W# or -w#	Enables logging of debug information to a log file. Notify user when EOF (end of fetch) is reached during a query. (Normally, only notified of EOF when query is empty.) Set maximum number of open statements. (# = 4 to 160) Set verbose level. (# = 0 to 1) Set Historian timeout parameter. (# = 5 to 30 seconds)
Database Logger	-D or -d -E or -e -L or -l -Q# or -q# -S# or -s# -W# or -w# -X or -x	Enables debug information to be sent to the shared window. Set Complete Trigger at EOL (End of Log) after the historian has processed the transaction. Normal operation is to set the completion tag as soon as the transaction has been delivered to the mailbox.Enables logging of debug information to a log file. Enables logging of debug information to a log file. Set maximum number of outstanding SQL statements. (# = 1 to 100) An “outstanding statement” is an SQL request for which no response has been received. Increasing -Q increases the Logger’s buffer size. Set maximum number of concurrently prepared SQL statements. (# = 1 to 30) Set Historian timeout parameter. (# = 5 to 30 seconds) Enables Historian Client IPC Tracing.

Data Point Logger	-I -L -Q# or -q# -R<#> -S -T -V -W<#>	Disable logging tag values at initialization. Enable logging of SQL statements to a file. Set maximum number of outstanding SQL statements. (# = 1 to 100) An "outstanding statement" is an SQL request for which no response has been received. Increasing -Q increases the Logger's buffer size. Set maximum number of rows. Generate data-point save file after successful dynamic log request. Generate data-point save file at task termination. Enable logging of SQL statements. Statements logged (sent) to Run-Time Manager output window, but not saved. Set Historian timeout parameter. (# = 5 to 30 seconds)
DBChk WARNING: Always make a backup of your Flapp prior to running DBChk!	-A<appdir> -T<TitlesFile> -W -V<#> -C -I -Dx -D0 0	Set drive & directory for application to <appdir> Allows a titles file (in the /flink/ac dir) to be specified. Operate on the whole application. Verbose mode #: 1=first or minimal level of debugging, 2=detailed debugging. Checks the databases(s) for valid index and duplicates. NO modifications are made! Reindex the database(s). Duplicate Removal (Mode x). Remove only identical records (recommended). Remove records with duplicate index fields. This option also does a reindex if any duplicate entries are found. If a sequence number is part of the KEY then it is ignored in the comparison.
DDE Client	-D<#><path\filename>	Enable debugging (#= 0 to 4) You must specify the path and filename for the log file.
DDE Server	-V	Enable debugging output to console window

ECI	<p>-DRMbx=<#> -DWMbx=<#> -DQMbx=<#> -DERMbx=<#></p> <p>-LimitType=<A or B></p> <p>-InitUncertain</p> <p>-InitWrite</p> <p>-DefaultMsgLength=<#></p> <p>-SleepTime=<#></p> <p>-Throttle=<#></p> <p>-MaxJobs=<#></p>	<p>Log read debug messages Log write debug messages. Log query debug messages. Log read Error messages (#=1 to 3, default=3, most sensitive)</p> <p>Compute all I/O values without upper/lower limits, X = A (default) or, limit all I/O values by ScaleMin/Max boundary, X = B.</p> <p>Set the I/O Status Uncertain-Flag (value = 64) and hold the Object I/Os until they are updated by the first valid Dataset at initialization (default=Object I/Os are set zero if changed and no Dataset is received after the Update Delay):</p> <p>Write all Outputs if Object I/O Tag was changed at initialization (default=changes cleared without writing):</p> <p>If ECI is the first task that writes to a message tag without a configured length, it sets the max length to # char (default = 80)</p> <p>Adjust process speed/CPU load by suspending program (sleeping) every # scan (default=100 in ms)</p> <p>Throttle non critical job processing by multiple # rates of SleepTime (default=none):</p> <p>Max Number of jobs (1 to nnnn) done at a time at main data processing (default=all). Note that this may cause a message output in the FactoryLink system window "ECI Info: MaxJobs=xxx reached":</p>
ECSCConvert	<p>-A<appdir> -C<Clustername> -D</p> <p>-U</p> <p>-V</p> <p>-W2</p> <p>-?</p>	<p>Sets the application directory.</p> <p>Sets the Cluster Name prefixed to the tag name</p> <p>Documents the PowerVB. The documentation files are created in the powervb sub-directory in the Client Builder Project folder.</p> <p>Includes the User domain tags when drawings are converted to mimics.</p> <p>Verbose.</p> <p>Converts Draw animations to link-open animations available. Here is an example of all those arguments being used.</p> <p>? "Command syntax help.</p>
EDI	<p>-C or -c</p> <p>-S<#> or -s<#> -Q<#> or -q<#></p>	<p>Clear change. This argument will prevent the ping-pong effect of a read immediately after an exception write causing another exception write when a table is defined as both block read and exception write.</p> <p>WARNING: This argument should be used with extreme caution.</p> <p>Set IPC data size. (# = 65535 to 1048576)</p> <p>Set queue size. (# = 128 to 4096)</p>

EmailAgent	See page 37 in the FactoryLink Utilities Guide -a{FLAPP} -p{FLINK} -d<#> -l<logfile>	for more information using these arguments. Sets the drive and directory for the application. Sets the FactoryLink system software directory. Sets debug level. (0 - Off, 1 - Errors, 2 - Information 3 - Configuration, 4 - EmailAgent/Mail Server network comm., 5 - Heap validation, and 9 EmailAgent/Alarm Logger pipe comm.) Output can be seen with DebugView unless a log file is provided with the -l<logfile>. Logs errors and other data to the <logfile>.
FLAdmin	/P{FLINK} /A{FLAPP} /D /?	Set drive & directory for programs to <pgmdir> Sets the drive and directory for the application. Writes debug output to {FLAPP}\log\FLAdm*.log Displays help
FLGem	-b<#> or /b<#> -c or /c -l or /l -g or /g -s or /s -v<#> or /v<#>	The number of buffers allocated by the SDR daemon. Each buffer represents 256 bytes. (# = 10 to 4000, default is 200) Clean start - causes all non volatile storage to be deleted and reinitialized Writes debug output to FLGEM.LOG Overrides the GWAGEMDIR environment variable Overrides the GWASDRDIR environment variable Sets the level of debug output. (# = 1 to 3)
FLLAN	-D<#> -L -r (LAN Send only.) (lower case r only) -T -S<#> -W<#> -X	Set verbose level. (# = 0 to 22) Enables logging of debug information to a log file. Prevents setting LAN Send Enable/Disable tag to 1. Insert timestamp at beginning of each debug statement. Closes and reopens log file every # messages. Wraps log file every # messages. Logs underlying network software's error messages to a log file.
FLFM	-C -D<#> -L -T -S<#> -W<#>	Do not replace first period in file name with a space. Set verbose level. (# = 0 to 22) Enables logging of debug information to a log file. Insert timestamp at beginning of each debug statement. Closes and reopens log file every # messages. Wraps log file every # messages.

Flrun	-A<appdir> -D or -d -F<flags> -I<appname> -L<logfile> -N<domain name> -P<pgmdir> -O or -o -S or -s -T<timeout> -U<username> -V or -v -W or -w	Set drive & directory for application to <appdir> Turn debug mode ON Set flags to flags Set application invocation name Log errors and other information to a logfile Set domain name Set drive & directory for programs to <pgmdir> Apply on-line changes Single domain, always create the RTDB Set timeout in seconds. Set user instance name Turn verbose mode ON (for CT generation) Warm start. NOTE: Options that cannot be used with the -O option are -N, -U, -F, -W and -S
FLSHM(FactoryLink Show Memory)	-b -l -u -m -d -c	List contents of Mailbox segments List Real-Time Database Domain and user names Shared Memory Delete the Real-Time Database Clear the active user (for Unix only)
Flstate	-d -a -q -r -t -k -l<#> -w<#> -f<#> -c -c<#> -b<#> -s -s<#> -x<#>ext	Display applications being scanned/repaired Scan only application %FLAPP% with name %FLNAME% Quit when applications quit running Repair broken applications, if possible Timestamp application data read from Kernel Kill tasks that violate max lock time (requires -r) Set max lock time to # seconds (default = 5) Wait # seconds before first scan (default = 0) Force # dumps of apps, broken or not (default = 1) Continue running indefinitely Continue until # consecutive bad scans occur Break when a total of # bad scans is reached Scan applications, stop on first bad scan Set scan rate to # seconds (default = 5) Keep # dumps before & after bad scans (default = 5) in files named '#####.ext', where '#####' is the scan number (requires -c[#] or -b#) append dump output to file 'dumpfile'

Graph, ECS	-o1 -b<#> -T or -t -P or -p	For static objects, set by default Rate of fast blink Maintains dynamic or static values after the screen change at run-time. Displays a symbol by first erasing the old symbol																
Historians	-i<#> -l <#> -E -L<#> or -l<#> -M<m> -S -U<#> -V<#> -DATE<f> -TIME<f>	Set timeout for cursor inactivity. (# = 15 to 300 minutes) Set timeout for connection inactivity. (# = 15 to 4320 minutes) Echo database errors to Run-Time Manager output window. Enables logging of debug information to a log file. (# = 1 to 4) Set execute mode. (m = BATCH NOBATCH) Display database requests in Run-Time Manager output window. Set unique ID; for use with Multiple Instance Historian. (# = 0 to 9) Enables debug information to be sent to the output window. Set verbose level. (# = 0 to 4) Set date format. (See below for f value.) Set time format. (See below for f value.) <f> = format string consisting of the following tokens: <table border="1" data-bbox="885 1010 1244 1265"> <thead> <tr> <th><u>Token</u></th> <th><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>year</td> <td>4-digit year</td> </tr> <tr> <td>yr</td> <td>2-digit year</td> </tr> <tr> <td>mo</td> <td>Month of year</td> </tr> <tr> <td>dy</td> <td>Day of month</td> </tr> <tr> <td>hr</td> <td>Hour (24-hour clock)</td> </tr> <tr> <td>mi</td> <td>Minute</td> </tr> <tr> <td>sc</td> <td>Second</td> </tr> </tbody> </table> These tokens must be separated by a pipe (), a colon (:), or blank space.	<u>Token</u>	<u>Description</u>	year	4-digit year	yr	2-digit year	mo	Month of year	dy	Day of month	hr	Hour (24-hour clock)	mi	Minute	sc	Second
<u>Token</u>	<u>Description</u>																	
year	4-digit year																	
yr	2-digit year																	
mo	Month of year																	
dy	Day of month																	
hr	Hour (24-hour clock)																	
mi	Minute																	
sc	Second																	
The following arguments are for the ODBC Historian.																		
-X or -x		Enables Historian IPC Tracing.																
The following arguments are for the dBaseIV Historian.																		
-C -F<#> -M -dbase		Check database files. Set maximum number of currently open file handles. (# = 40 to 200) Set multi-user mode. Generate dBaseIV-compatible database files (with extension = .dbf).																
The following arguments are for the Oracle Historian.																		
-otimeout<#> -osleep<#> -omode<m>		Set timeout to wait on a blocked call. (# = seconds) Set sleep time to retry a blocked call. (# = milliseconds) Set Oracle DB mode. (m = NBL DEF)																

Ioxlator	<p>-d<#></p> <p>-l<#></p> <p>-LS<#></p>	<p>Sets the level of debug information sent to the shared domain window. (# = 1 to 4)</p> <p>Enables logging of debug information to a log file. (# = 1 to 4)</p> <p>Locale Station ID, Used if Ioxlator and the protocol driver reside on different machines. (# must be a unique number to the network) Also used if setting up two apps for redundancy and you wish to use mailbox redundancy (explained in the VRN manual) (# must be a unique number to the network and the same as the -LS # used for the associated RAPD driver in the same app.)</p>
Ktdtl/Netdtl	<p>-A <pathname></p> <p>-B<#></p> <p>-C<#></p> <p>-F<#></p> <p>-L <pathname></p> <p>-N<#></p> <p>-P<pathname></p> <p>-R<#></p>	<p>To specify a new FactoryLink application directory</p> <p>To specify a value for the unsolicited message backlog queue in the Allen-Bradley interface, enter the ID followed by the appropriate value. For inputs less than . (# = 1 to 40, default is 5)</p> <p>To specify the number of seconds the task waits before it attempts to reconnect to a disconnected RSLinx or INTERCHANGE software interface, enter the ID followed by the number of seconds. If you do not want the task to attempt reconnection, enter 0. (# = 0 to 32767, default is 30)</p> <p>To specify the number of times the task is to pass through its major program control loop before “sleeping,” enter the ID followed by the number of passes. Use this parameter in conjunction with the sleep period parameter, S, to optimize the performance of the task and to minimize its CPU use. (# = 1 to 32767, default is 10)</p> <p>To specify a directory and path for an error log file, enter the ID followed by the full path name identifying the location of the file.</p> <p>To specify a maximum number of solicited requests that can be pending at any given time within the RSLinx or INTERCHANGE software library, enter the ID followed by the number of requests. (# = 1 to 39, default is 39)</p> <p>Specify a new FactoryLink program directory to override the default program directory, enter the ID followed by the full path name identifying the location of the new directory.</p> <p>To specify the number of seconds an error message is displayed on the KTDTL or NetDTL task line on the Run-Time Manager screen after the error is detected, enter the ID followed by the number of seconds. (# = 0 to 32767, default is 10)</p>

Mkcm1	-A<appdir> or -a<appdir> -C or -c -N or -n -P -U -V<#> or -v<#>	Sets the path to the application directory Performs a clean build, reproducing all files from scratch Sets the domain name Sets the path to the FactoryLink program directory. Sets the user name Sets the verbose (debug) level. (# = 1 to 5)
Math & Logic (Interpreted mode only)	-L -V#	Enables logging of debug information to a log file. Set verbose level. (# = 0 to 4)
Mbustcp	-d<#> -b<#> -eu -eu2 -g -l<#> --U2 -LS<#> -x<#>	Sets the level of debug information sent to the shared domain window. (# = 1 to 9, unsolicited information is enabled at level 6) Enables debug logging to Debug view -EU leaves USL socket open after receiving a USL for disabled dataset. -EU2 closes the socket after receiving an USL from a non-configured device. Enables graceful shutdown of socket. Skips linger-mode specification. Enables logging of debug information to a log file. (# = 1 to 9, unsolicited information is enabled at level 6) Disables unsolicited message processing. Locale Station ID, Used if setting up two apps for redundancy and you wish to use mailbox redundancy (explained in the VRN manual) (# must be a unique number to the network and the same as the -LS # used in IOXLATOR in the same app.) Only log debug information at a specific level.

<p>ODX</p> <p>-VMode=<#></p> <p>-Alive=<#></p> <p>-SimReq=<#></p> <p>-Mux=<#></p> <p>-DisConn=<#></p> <p>-ReConn=<#></p> <p>-InitDelay=<#></p> <p>-RdCache</p> <p>-FastUpd=<#></p>		<p>Verbose Mode level (#0 to 511) for debugging and logging information to file {FLAPP}\SHARED\LOG\ODX.LOG for the main task and to an individual file {FLAPP}\SHARED\LOG\ODX?_[NodeName]ServerName.LOG for each connect (thread). Note that the wildcard ?=1..x in the file name identifies the line number in the ODX Server Connection table. The level is identified as the sum of binary values, each of enabling a log action in order to display ...</p> <p># 0 = No logging 16 = Database Change_Read information</p> <p># 1 = ODX Server state changes 32 = Memory management information</p> <p># 2 = ODX Status messages 64 = All internal FUNCTION calls</p> <p># 4 = OPC Connection, Group and Item handling errors 128 = Read Mailbox information ODX_ECI (-DRMbx in ECI)</p> <p># 8 = Configuration Table Read information (ODX.LOG only) 256 = Write Mailbox information ECI_ODX (-DWMbx in ECI)</p> <p># Enter 511 (= 1+2+4+8+16+32+64+128+256) to enable all actions. Note that this may overflow the hard disk! (default=0), try first:</p> <p>Alive check timeout # in seconds to supervise connections (watchdog) if no data is transmitted (default=10)</p> <p>Maximum number # of simultaneous (asynchronous) read requests processed per connect (default=5)</p> <p>Multiplexer: the number specifies the value # to which a possible Link Control Tag must be set to enable the link (default=0):</p> <p>Disconnect link: specifies a value to which the Link Control Tag can be set in order to inactivate the link (default= -1). A non matching value # will keep the link active (standby), even if disabled by Mux.</p> <p>Time delay # in seconds to reconnect a link after failure (default=10)</p> <p>Time delay # to initialize data transfer through a link. This may unburden the OPC Server or ECI at (re)connection, (default=10)</p> <p>Read refresh data from Server Cache. By default, data is always read from device.</p> <p>The FastUpdate rate # for read OnChange is defined by ECI "Read Interval after Change". It is automatically enabled and maintained as long as two or more read requests appear within the "Read Interval after Change" times the number specified for this argument (default=3). You can suppress FastUpdate by setting -FastUpd=0, recommended value:</p>
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	<p>-SlowUpd=<#></p> <p>-LimUpd=<#></p> <p>-SleepTime=<#></p>	<p>The SlowUpdate rate for read OnChange is defined by ECI "Read Interval Continuous". It is selected if no FastUpdate request appears within the "Read Interval after Change" times the number specified for this argument (default=10) The value represents a delay to return from FastUpdate to SlowUpdate:</p> <p>You can limit the slowest update rate in seconds (default=86400) since some servers do not allow for the OPC max of 4'294'967.</p> <p>Adjust process speed/CPU load by suspending program (sleeping) in milliseconds every scan, valid for main task only (default=70)</p>
OPC Client	<p>-d</p> <p>-l</p> <p>-x<#></p>	<p>Print debug information of all levels in shared domain window.</p> <p>Log debug information of all levels to the OPC_Client log file.</p> <p>Log specific level of debug information to the log file. (# = 1 to 9)</p>

<p>PowerNet</p> <p>NOTE: These arguments must be in lower case.</p>	<p>-b<#></p> <p>-c<#></p> <p>-d<#></p> <p>-h <H></p> <p>-I<#></p> <p>-l</p> <p>-m<#></p> <p>-n<#></p> <p>-p<#></p> <p>-r<#></p> <p>-s <S></p> <p>-t<#></p> <p>-v</p> <p>-w<#></p> <p>-y<#></p>	<p>Set transfer buffer size. (# = kilobytes)</p> <p>Set connect time. (# = seconds)</p> <p>Set verbose level. (# = 0 to 4)</p> <p>Set host name. (H = Host name)</p> <p>Set timeout for bind wait. (Time to wait for network connection.) (# = milliseconds)</p> <p>Enables logging of debug information to a log file.</p> <p>Set timeout for message transfer. (# = seconds)</p> <p>Set number of sessions. (# = max number)</p> <p>Set timeout for Send. (# = seconds)</p> <p>Set timeout for Reply. (# = seconds)</p> <p>Set service name. (S = Service name)</p> <p>Set timeout for Receive. (# = seconds)</p> <p>Insert timestamp at beginning of each debug statement.</p> <p>Wraps log file every # messages.</p> <p>Closes and reopens log file every # messages.</p>
<p>PowerSpc</p>	<p>-L<> or -l<#></p> <p>-V<#> or -l<#></p> <p>-W<#> or -w<#></p>	<p>Enables logging of debug information to a log file. (# = 1 to 3)</p> <p>Set verbose level. (# = 1 to 3)</p> <p>Sets the maximum timeout in second for the Time in seconds for SPC to wait for a response from the Historion. (# = 5 to 300)</p>
<p>Print Spooler</p>	<p>-D<#></p> <p>-L</p> <p>-M</p>	<p>Set debug log level for Run-Time Manager output window. (# = 1 to 9)</p> <p>Enables logging of debug information to a log file.</p> <p>Use OS print services; send print requests (except for alarm logs and binary files) to the system print queue instead of directly to the printer.</p>

PowerSql	<p>-C<#> or -c<#></p> <p>-L or -l N or -n</p> <p>-S<#> or -s<#></p> <p>-W<#> or -w<#></p>	<p>In the previous version of the PowerSQL tasks, a COMMIT statement was performed after all database accesses, except the SELECT statement, were executed as a non-dynamic SQL statement. This included the execution of stored procedures and dynamic SQL statements through the use of the SQL tag. The execution of dynamic SQL statements, especially for stored procedures, can result in very complex database operations that include many separate steps. In such cases, the PowerSQL task does not have at its 8 fewer lines. (# = 0 to 2)</p> <p>Enables logging of errors to the log file.</p> <p>Notifies on the completion of a SELECT trigger that the query resulted in an End of Fetch condition if the rows returned from the query do not equal the rows defined in the Data Array Size field. By default, PowerSQL does</p> <p>Sets the maximum number of SQL statements that PowerSQL will have active at one time. The default is 160. For very large applications, this generated by PowerSQL to the log file. PowerSQL must have logging enabled for this program switch to work. The default is to not write the SQL statements to the log file. (# = 4 to 60)</p> <p>Sets the maximum timeout in seconds for PowerSQL to wait for a response from the Historian task. The default is 30 seconds. (# = 5 to 36000)</p>
Runmgr(task)	<p>-d</p> <p>0</p> <p>-l <logfile></p> <p>-m<max_seg>[:max_mbxsegs][:max_onembx]</p> <p>-t</p>	<p>Turns on debug mode. Any errors encountered are logged to the log file</p> <p>PID check. If experiencing kernel lock-up problems, the switch adds extra checking to prevent rogue tasks from corrupting the kernel; however, there is a performance penalty.</p> <p>Logs errors and other data to the <logfile>.</p> <p>Where: <max_seg> = Maximum number of kernel segments(default is 200), [:max_mbxsegs] = Maximum number of segments used for mailboxes(default is 50), [:max_onembx] = Maximum number of kilobytes of message space held by one mailbox. (default is the maximum possible, 64k)</p> <p>Defines the start/stop timeout, in seconds, for the Run-Time Manager error report process. The default timeout is 60 seconds</p>
Scaling and Deadbanding	<p>-ulsr</p> <p>-ulrs</p>	<p>Unlocks the scale to raw direction when locked. When set, scaling works as before SPR 5380 fix.</p> <p>Unlocks the raw to scale direction when locked.</p>

SDRV	<p>-B<#></p> <p>-D</p> <p>-D:F<#></p> <p>-L</p>	<p>The number of buffers allocated by the SDR daemon. Each buffer represents 256 bytes. (# = 10 to 4000, default is 200)</p> <p>SDR Library API calls are displayed on the screen. SDR Library API calls are written to FLAPP/sdrv-log.dat (default)</p> <p>or</p> <p>. -D:Fx SDR Library API calls are written to file indicated by 'x'</p> <p>Additional data for repeat blocks and parsing is displayed on the screen or written to the file specified by D:F.</p>
Sinec_h1	<p>-c</p> <p>-d<#></p> <p>-l<#></p> <p>-LS<#></p> <p>-m<#></p> <p>-LS<#></p> <p>-s<#></p>	<p>Automatically disables the connection rebuild after an error on the connection. The disable tag must be forced changed to 0 again for enabling rebuild of the connection. At the first IMX command on the connection, the connection will be tried to rebuild.</p> <p>NOTE: This option must be used in case PLC's are configured but not connected to the network or when frequently connections are lost on the network with a high communication load on that connection.</p> <p>Debug option, the level of debug information is set with the number <i>n</i>. The range of this number is from 1 until 9. If no number is specified the default level will be 1. The debug output will be visible in the 'window' of the protocol driver, that of the run time manager.</p> <p>Same as the previous option, difference is the output device. For this option an ASCII log file is generated, being the file: {FLAPP}/{FLNAME}/{FLDOMAIN}/log/sinec_h1.log</p> <p>Local Station id with number <i>n</i>, needed if the protocol driver and decoder reside on different nodes (or FactoryLink workstations). This must be a unique (station) number for the network.</p> <p>Defines the size of the pipe buffer for buffering IMX commands from the Ioxlator. The size is specified in kilobytes. The default size 32 Kb which means a value of 32.</p> <p>Locale Station ID, Used if setting up two apps for redundancy and you wish to use mailbox redundancy (explained in the VRN manual) (# must be a unique number to the network and the same as the -LS # used in IOXLATOR in the same app.)</p> <p>Start and stop the TP4 stack. Note: This feature is not supported in FL71 and higher. Use the SERVICES applet in the Windows Control Panel.]</p>

<p>Tag Server</p>	<p>-f -NoUserShare or /NoUserShare</p> <p>-OperEvent= or /OperEvent=</p> <p>-ArrayBranch=<options> or /ArrayBranch=<options> (deprecated)</p> <p>-m<#> (deprecated)</p> <p>-d<#></p> <p>-x<#></p>	<p>All tag writes are forced writes Do not attempt to share instances of user domains across clusters</p> <p>This program argument is no longer valid. Fill out the Log Actions, Historian Mailbox Tag, Database Alias Name, and Table Name columns in the Tag Server Options table.</p> <p>This program argument has been deprecated. Fill out the Array Branch column in the Tag Server Options table to set the array branch option.</p> <p>This program argument has been deprecated. Fill out the Maximum Message Length column in the Tag Server Options table to set the maximum length for message tag reads and writes. 80 is default.</p> <p>Display the debug information on all levels in the shared domain window and to DebugView. Debug Levels: 0 - Error Trace, 1 - Significant Events, 2 - Module Trace, 3 - Timing Trace, 4 - Message Trace, 5 - Debug Trace, 6 - Tag Dictionary Trace, 9 - Tag Trace</p> <p>Note: Each debug level output includes the debug levels below it.</p> <p>Log debug information of a specific level in the log file. (#=1 to 9)</p>
<p>Trending, ECS</p>	<p>-V# or -v# -W# or -w#</p>	<p>Writes trend chart events to a log file. Sets the maximum time-out in seconds to wait for a response from the historian. The default is 30 seconds.</p>

<p>VRN</p> <p>-L=<path\logfile> -V<#> -C -DefaultMsgLength=<#></p> <p>Arguments for Tuning and Performance</p> <p>-ThreadPriority =<#></p> <p>-SleepTime=<#></p> <p>-Alive=<#></p> <p>-FirstConnect=<#></p> <p>-ConnDelay=<#></p> <p>-Throttle=<#></p> <p>-SlaveSyncDelay=<#></p> <p>-AlogClientDelay=<#></p>	<p>Log job information. Set the verbose level for logging. (# = 1 to 4) Force VRN_init to create all data at startup If VRN is the first task that writes to a message tag without a configured length, it sets the max length to # characters (80 is the default)</p> <p>Caution: Some of these arguments, if not adjusted correctly, might cause unpredictable results. You may set the VRN Thread Priority and Task Priority Class as described in more detail in the sample file VRN_para.run. However, this should only be adjusted by experts who understand the possible impact to the system. (# =0 to 3, 0 being normal and 3 being the highest.)</p> <p>Adjust process speed/CPU load by suspending program every scan, in tenth of seconds. (default=100 ms.)</p> <p>Adjust global alive check timeout, minimum = twice the SleepTime. (default=60 [s])</p> <p>Time allowed in seconds for first connect when starting in Tandem Mode. (default=30 [s])</p> <p>Multiple simultaneous connects can be staggered at the rate given by ConnDelay. (default=3 [s])</p> <p>Throttle data transmission generally if the internal transmission buffer of 64 kB is full. (# default=300 [ms])</p> <p>Data synchronization on the Slave of a TANDEM system can be delayed to prevent possible overwriting of synchronized data due to a still active but stopped driver at Master_Slave changeover. (default=3 [s]:)</p> <p>Distributed Alarm Logger start delay for Function Alog[.] in a redundant system, this may be useful to unburden the system at TANDEM changeover. (default=5 [s] for client and default=1 [s])# for server)</p>	<p>Log job information. Set the verbose level for logging. (# = 1 to 4) Force VRN_init to create all data at startup If VRN is the first task that writes to a message tag without a configured length, it sets the max length to # characters (80 is the default)</p> <p>Caution: Some of these arguments, if not adjusted correctly, might cause unpredictable results. You may set the VRN Thread Priority and Task Priority Class as described in more detail in the sample file VRN_para.run. However, this should only be adjusted by experts who understand the possible impact to the system. (# =0 to 3, 0 being normal and 3 being the highest.)</p> <p>Adjust process speed/CPU load by suspending program every scan, in tenth of seconds. (default=100 ms.)</p> <p>Adjust global alive check timeout, minimum = twice the SleepTime. (default=60 [s])</p> <p>Time allowed in seconds for first connect when starting in Tandem Mode. (default=30 [s])</p> <p>Multiple simultaneous connects can be staggered at the rate given by ConnDelay. (default=3 [s])</p> <p>Throttle data transmission generally if the internal transmission buffer of 64 kB is full. (# default=300 [ms])</p> <p>Data synchronization on the Slave of a TANDEM system can be delayed to prevent possible overwriting of synchronized data due to a still active but stopped driver at Master_Slave changeover. (default=3 [s]:)</p> <p>Distributed Alarm Logger start delay for Function Alog[.] in a redundant system, this may be useful to unburden the system at TANDEM changeover. (default=5 [s] for client and default=1 [s])# for server)</p>
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Web Client	<p>-B<#> or -b<#></p> <p>-D<X> or -d<X></p> <p>-I<#></p> <p>-L<#> or -l<#></p> <p>-M<#> or -m<#></p> <p>-N<#> or -n<#></p> <p>-R<#> or -r<#></p> <p>-T<#> or -t<#></p> <p>-V or -v</p> <p>-W<#> or -w<#></p> <p>-Y<#> or -y<#></p>	<p>Sets the TCP/IP socket receive and send buffer to <#> bytes. The default is 16k.</p> <p>Enables logging information related to topic <X></p> <p>Sets the maximum idle connection time of <#> seconds. This specifies the maximum period for the Connection Server or Data Server tasks to wait for an idle before closing the connection. The default is 180 seconds.</p> <p>Writes the login information to the log file.</p> <p>Sets the maximum time in seconds for a single data transfer. The default value is 5 seconds.</p> <p>Sets the maximum number of sessions for Web Client. The default is 32.</p> <p>Retry Period. This parameter defines the maximum period of time, in seconds, the Web Client ActiveX attempts to connect with the server. The default is 15 seconds.</p> <p>Sets the maximum wait period for remote tasks to exit during shutdown, where <#> is the limit in seconds.</p> <p>Inserts a time-stamp into each message.</p> <p>Wraps the log files every <#> messages.</p> <p>Closes and re-opens the log file every <#> messages.</p>
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*These arguments are valid for the current revision of FactoryLink at the time of publishing. Not all the arguments and their parameters listed here may be implemented in earlier versions of FactoryLink.