

# Documentation for Control IQ



**Relating to:** Control IQ - Preferences Table  
**Date:** March 21, 2020  
**Program Revision:** 5.0  
**Subject** Preferences Table Variables

Note: In all variables that are settable for “Yes/No”, or “True/False” or “1/0”, any of these variables may be used interchangeably. I.E Yes=True=1.

Starting with CIQProc v4 most variables in the Preference table are optional.

Keys listed as Automatic will be filled in by Proc or GUI

Keys listed as **Required** must be filled on for Prco and GUI to operate

Keys listed as Optional do not have to be present in the table

AlarmWavFile – Optional – Default = ‘AlertSound’ [GUI]  
Allows for different wav files to be played instead of the CIQ default.  
Wav files are stored in the systemimages table.

ArchiveLocation – Optional – No Default [Proc]  
This is intended to define an external hard drive location where the archive tables (from controliq\_archives) can be save in case of a hard drive failure or computer change out.

AutoLogoutTime – Optional – Default = ‘600’ (seconds) [GUI]  
Idle Time, in seconds, before a user is logged out in GUI. 600 seconds = 10 minutes (typical).

Backup(x) – Optional [Proc]  
Path / files to be included in the weekly backup process. Note, these files should be something that is unique to the site and may change from time to time. Don’t put files like CIQ documentation file, or the CIQ User’s manual. These are already available else where. Multiple lines can be used, but the key must start with “Backup” and the key must be unique, such as:  
Backup C:\Program Files\ASIEExpert\Projects\  
Backup2 C:\Documentation\Notes.txt

BackColor – Optional – Default = ‘Gainsboro’  
This is the background color for all forms. Number must be entered in hex as #BFBDB2.

CACCheckin – Optional - Default = ‘60’ (minutes) [Proc]  
How often does CIQProc check in with Command and Control (minutes). Allowable range is 10 to 60 minutes

CIQGUI_Version – Automatic	[Proc]
The currently installed version of CIQ GUI This is used for updates and to report to CAC	
CIQProc_Version – Automatic	[Proc]
The currently installed version of CIQProc This is used for updates and to report to CAC	
DataEntryEmail – Optional – No Default	[Proc]
The email address that Mobile / DataEntry uses to send messages too.	
dbVersion – Automatic	[Proc]
The current revision (version) of the database Proc uses this to know how to upgrade database schemas.	
DegreeDayAlias – Optional – Default = 'NOAAOAT'	[GUI]
What point (Alias) will be used to calculate Degree Days	
DelphiEnabled – Optional – Default = 'False'	[GUI]
Is Delphi (Hotel Sales and Banquet Scheduling) installed?	
DemoMode – Optional – Default = 'False'	[Proc]
Determines if this instance of CIQProc is running in DemoMode SAI use only.	
DuskAndDawn – Optional – Default = '10' (minutes)	[Proc]
How many minutes after Sunrise and before Sunset should we adjust Dusk and Dawn. In the default value, if Sunrise were at 06:45, the Dawn would be 06:55. If Sunset was at 18:21, Dusk would be 18:11. This is used primarily for outside lighting schedules	
EnableWatchDog – Optional – Default = 'False'	[Proc]
Future implementation of a WatchDog strategy. Not currently active.	
ExceptionsOverrideStandard – Optional – Default = 'False'	[Proc]
In Schedules, Exceptions and Standard schedules are “OR’ed” together, that is to say that if a Standard OR Exception schedule is On, the point is On. If this variable is set to True, the Exception will <u>override</u> the Standard Schedule. For Example:	
If this is set <u>False</u>	
Standard 0800-1800	
Exception 1700-2300	
The point will be <u>On</u> from 0800-2300	

If this is set False

Standard 0800-1800

Exception 1900-2300

The point will be On from 0800-1800 AND 1900-2300

If this is set True

Standard 0800-1800

Exception 1700-2300

The point will be On from 1700-2300 only.

If this is set True

Standard 0800-1800

Exception 0000-0000

The point will be Off

Features – Optional – Default = '0' [GUI]

This field is bit mapped to determine what additional features are used.

0x1 - BTU Metering

0x2 - After Hours Tenant Billing

GraphBinCount – Optional – Default = '1500' [GUI]

The maximum number of plots across the graph in a CIQ Report. Decreasing this value will cause more smoothing of data in the graph.

GraphMinMaxMode – Optional – Default = '0' (average) [GUI]

If there is more data that will fit in the GraphBinCount number of plots, how should the data be handled.

0 = average of multiple samples

1 = maximum of multiple samples

2 = minimum of multiple samples

GUIPath – Optional – Default = '.\ ' [Proc]

This is used for automatically updating GUI. The value is the relative path to the location where CIQPRoc is installed.

HoldLogic – Optional – Default = '0' minutes [Proc]

This value allows CIQProc to run for a period of time (I.E. to stabilize) before it processes any Logic Points. This is normally not needed. Settable Range is 0-10 minutes.

HostedSite – Optional – Default = ‘False’ [Both]  
Set this to ‘True’ in the preferences table if this instance of CIQ has multiple sites. If this is set to true, the Alarming Tab and the Alarm sounds are deactivate. Alarms are still visible in the Alarm grouping.

ItemsPerGridPage – Optional – Default=1000 [GUI]  
The number of rows to display on grid layout page

LastBackupDate – Automatic [Proc]  
The last date and time that the system made a successful offsite backup. This is reported back to CAC.

Latitude – Required – Default = ‘41.37’ (SAI’s Office) [Proc]  
The Latitude of the site for NOAA readings (North America Only)

Longitude – Required – Default = ‘-83.64’ (SAI’s Office) [Proc]  
The Latitude of the site for NOAA readings (North America Only)  
Note the western hemisphere is negative numbers.

LoginPict – Optional – Default – CIQ Logo [GUI]  
The name of the picture to be used on the login screen. The picture must be in the “viewimages” table.

LoginPoint1 – Optional – Default = SiteName [GUI]  
These 6 lines are the lines that appear on the login screen. Any COP variables may be displayed in these lines.  
LoginPoint2 – Optional – Default = daydatetime  
LoginPoint3 – Optional  
LoginPoint4 – Optional  
LoginPoint5 – Optional  
LoginPoint6 – Optional

Common fields to put in the LoginPointx lines

‘Alias’	- will display the point name and txt value
‘PointsInAlarm’	- will display the status and quantity of alarms
‘ProcHealth’	- will display the status of CIQProc

LoginPropInfo – Optional – Default = ‘Systems Associates, Inc.  
(800) 433-9855 [support@controliq.com](mailto:support@controliq.com)’

This line appears below the picture on the login screen.

MinimumLogTime – Optional – Default Value = 1 (minute) [Proc]

What is the minimum time that CIQProc will log changes to the history table. The minimum value is 1. If set higher, the history table will be smaller (and faster to retrieve data). Note there is a similar parameter in the 'Points' table that is specific to each point. This value in the preferences table supersedes the one in the Points table. For example of this is to 5 and a point is set to 2, then data is only logged every 5 minutes. If this is set to 1 and a Point is set to 5, then that point data is only logged every 5 minutes. (All of this assumes the point value changed)

mySQLServiceName – Optional – Default Value = 'msSQL51' [Proc]

The default is mySQL51. If the service is anything other than that, this needs to be entered into the preferences table.

NickName – Optional – Default Value = 'CIQ' [Proc]

This is the From address in alarm process, unless a "FromAddress" is specified. It is intended to short name for the site. For example, if the Site Name was "United States Department of Agriculture" the Nickname might be "USDA"

PointsBeforePause – Optional – Default Value = 10 [Proc]

This is a tuning parameter that controls how loaded the processor. Default value is 10. Increasing this value will cause Proc to run a little faster, but take more CPU percentage. Lowering the value will take load off of the processor but will lengthen the scan time.

ProcIP – Optional – Default = 'localhost' [GUI]

Where does CIQProc reside so GUI knows where to communicate to it. Normally Proc and GUI reside on the same machine, but this allows them to be separated.

ProcTimeOffset – Optional – Default = '00:00' [GUI]

Where does CIQProc reside so GUI knows where to communicate to it. Normally Proc and GUI reside on the same machine, but this allows them to be separated.

ProhibitProcShutdown – Optional – Default = 'False' [Proc]

If set to "True" proc can only be shut down using Taskmanager.

PropertyID – **Required** [Proc]

Assigned by SAI. Please contact SAI if this is not set.

PropertyIDTAG - Default = 'Location' [Both]

What is the tag on the screen for the PropertyID column from the Properties table

- PropertyIDDesc – Default = ‘PCS’ [Both]  
 What is displayed in the PropertyID drop downs  
 PCS = PropertyID – City, Stat  
 PN = PropertyID – Name  
 PNCS = PropertyID – Name City, State
- RelnitMinutes – Optional – Default = 30 (minutes) [Proc]  
 How often should proc attempt to reaquire devices that have had no communications for an extended amount of time.
- ReportsWSURL – Optional – Default Value = ‘localhost’ [Proc]  
 This is the URL location for the web services reporting engine, used for memorized and scheduled reports. Normally this will be ‘localhost’ (the default value) but if, for some reason the web service is not on the same machine as CIQProc, it can be changed here.
- SendBackuptoCIQ – Optional – Default Value = True [Proc]  
 When the backup is made, should it be sent back to CIQ data center.
- ShowGroupName – Optional – Default Value = False [Proc]  
 When sending alarm, status and proof of operation emails, should the groupname be included in the email message?
- SiteName – **Required** [Both]  
 The name of this site. Used for reports and emails
- SyncDateTime – Optional – Default Value = ‘False’ [Proc]  
 Synchronize the date/time of the CIQProce.EXE with the database server. Only needed if CIQProc is not running on the same machine as the database engine
- SynergyPropertyID – Optional – Default Value = 0 [Proc]  
 Required only if CIQ is to pass alarms and work request to SynergyMMS. Enter the SynergyMMS Property ID
- SynergyWSURL – Optional – Not used any longer. [Proc]  
~~Require only if CIQ is to pass alarms and work request to SynergyMMS. Enter the SynergyMMS web services URL {synergy.synergymms.com}~~
- TabDataRefresh – Optional – Default=10 (seconds) [GUI]  
 This determines how often the GUI screen refreshes for new values.

TTCRate – Optional	[GUI]
Ton Capacity rate used in BTU report calculation	
TTHRate – Optional	[GUI]
Ton Hours rate used in BTU report calculations	
Userxx – Optional	[Proc]
<p>Added support for user assigned variables. Note these variables are only read when proc starts up. Generally these would be used as constants for the site like square footage or number of rooms etc. These are referenced in the program as Userxx (Like User01 or User(1)) from the system object. Sys.System.User01 or Sys.User01 or User01 our User(1) return the same value. Up to 99 user values may be entered. See also 'Control IQ v4 – Logic Points' for other ways to achieve user input data.</p>	
WindowState – Optional – Default Value = 'Normal'	[Proc]
<p>The Startup state of the CIQProc Window. Options are Normal, Minimized, or Maximized.</p>	