InetSupervisor -

LNSDriver_UsersGuide

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1.0 LNSConfig - general

The LNSConfig is used for the importing of *Lonworks* specific points and the auto generation of graphics for *Lonworks* devices. To start the LNSConfig click *Start*, then *Programs*, then *HMI*, then *LNSConfig*. Included in this guide also is the *LNSDriver* which is used to transfer point values to and from your *Lonworks* network.



2.0 Configure

2.1 Import Lonworks Points

This is used to import Lonworks variables and configuration properties.

1. Click Start, then Programs, HMI, LNSConfig.

- 2. Type your name and password (default username is q, default password is q) in the Login dialog box
- 3. Click Configure, then Import LonWorks Points.
- Choose the desired channel then click *Load Variables*. This scans the *LNS Database* for available points (variables only) from all *LonWorks* devices, bringing these points into the *LNS Point Import Wizard*.
- 5. Click Load CP's. This will load all cofiguration properties in the same manner as the Load Variables.



- 6. Select a desired point by clicking on it and then click *Import Selected* (or press *Alt* + s). Multiple points can be selected for import by holding down the Ctrl key while clicking on, or click/hold-down and dragging across, the desired points, then clicking *Import Selected*. Repeat this process for all desired points.
- 7. If you would like to delete an imported point, select it by clicking on it, then click *Delete* at the bottom left of the window.
- 8. Once all points have been imported, the database is ready for creating a project-specific web page.

2.2 Import Structured Points

This is used to import a specific bit from a structured Lonworks network variable.

- 1. Click *Start*, then *Programs*, *HMI*, *LNSConfig*.
- 2. Type your name and password (*default username is* q, *default password is* q) in the Login dialog box
- 3. Click *Configure*, then *Import Structured Points*.
- Choose the desired channel then click *Load Structured Variables*. This scans the *LNS Database* for available points from all *LonWorks* devices, bringing these points into the *LNS Structured Point Import Wizard*.

Z P	oint Import V	Vizard Loa	ded 934 point	s at 1331 ite	erations					X
Cure	ent Channel:	Channel 1				Clea	ar			
Lo Points	ad Structured V loaded and ava	ariables illable for imp	port:							
	ChannelNam	Device	FBlock	VariableNam	CfgProp	VariableIndex	EngUnits	BitName	BitNumber	
	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	66	SNVT_alarm	alarm_limit[2]	23	
1	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	66	SNVT_alarm	alarm_limit[3]	24	
•	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	67	SNVT_alarm	location[0]	0	
	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	67	SNVT_alarm	location[1]	1	
	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	67	SNVT_alarm	location[2]	2	
	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	67	SNVT_alarm	location[3]	3	
	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	67	SNVT_alarm	location[4]	4	
	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	67	SNVT_alarm	location[5]	5	
	Channel 1	iLON100	Data Logger[nvoDILevAlar	variable	67	SNVT_alarm	object_id	6	-
•	~	1 011400		D II 11			010 7 1		-	•
Imp	port Selected	Allow Sir	ngle-Click Import) AL_NO_CONDIT	ION PR_LEVEL	0 0 <0 0 0	D> 0/0/0/0:0:0:0 <	0 0 0 0>			
Te	est Selected	0				Exit				//

 Highlight the bit you wish to import and click the button *Import Selected*. If you check mark *Allow Single-Click Import* the bits will import automatically when highlighted.

2.3 LON System

The LNSConfig will automatically select the network defined in the *Config Table* of *InetSupervisor*(*Inet_Users Guide*). Any network on the computer can be accessed by the *LNSConfig* by selection in the *LON System* utility.

- 1. Click *Start*, then *Programs*, *HMI*, *LNSConfig*.
- **2.** Type your name and password (*default username is* q, *default password is* q) in the Login dialog box
- 3. Click *Configure*, then *LON System*.

ℬ LonConfig	🛛 🔀
Available LNS Networks:	
Irvine Endoscopy Test SDSU N Science p024 MEF beq210629 San_Ysidro Building 7000 SCIF 11040 FOIC 880 FOB FRAZEE p999	Select Network
Selected LNS Network:	
Todd	
Available network interfaces:	
LON1 LONIP	Select Interface
X.Default.iLon X.Default.lrvine Endoscopy	Error, Select Interface
Selected network interface:	
X.Default.iLon	
	Exit

- 4. From here select the network database and network interface by high-lighting the desired network or interface and clicking the *Select Network* or *Select Interface* buttons.
- 5. Restart the *LONConfig* for changes to take effect.

2.4 Restore LM Database

This is to restore a *Lonmaker* network onto your computer that has the LNS runtime environment but does not have *Lonmaker* installed

- 1. Click *Start*, then *Programs*, *HMI*, *LNSConfig*.
- 2. Type your name and password (default username is q, default password is q) in the Login dialog box

Click Configure, then Restore LM Database.

Restore selected	backup		Restore
Configure LNS Dr	ver to use this database		Configure
		~	

3. From here select the network database, click the *Restore* button. If you wish to the LNSDriver to use this network click the *Configure* button.

3.0 Graphics

3.1 Graphic Generator

Suppose we've created the graphics (Template) for a Variable Air Volume (VAV) box, that is, we've created an *.asp* page graphical interface in *Dreamweaver* as described in the **Creating Graphics** section. There are 99 VAV's on our project and they are fed by 3 Air Handling Units (AHU). Our *.asp* Template page will include points specific to a VAV controller and AHU-1 to which the VAV box belongs. Once the Template Graphics are complete, debugged, and properly mapped to points in the database, we can use the Graphics Generator to automatically import points and create graphics for <u>all</u> of the VAV's. It is critical that all points used in the *.asp* Template are fully defined, including alarm configuration, trending, logic names, alarm notification, and digital point configuration. The Graphics Generator will import points for all nodes based on these points used in the *.asp* Template. In this process, the Graphics Generator will search the *LNS Database* for nodes with the same *Program ID* and create graphics based on the Template Graphic you initially created. The steps are as follows:

- 1. Create Template Graphic (*.*asp* page)
- 2. Launch the *LNSConfig* application. Click on *Graphics, GenerateGraphics*. The *GraphicGenerator* window will pop up(Figure 57).

Graphics Generat	or - scannned 5 items - DONE	
1. Select Template: 2. Select Main Node:	C:\Inetpub\www.root\Inmi\test.asp Channel 1^FAU 1	ОК
3. Select Nodes to Generate the Graphics for, or:	Channel 1 ^{~^} FAU 1	
Generate For All Nodes		
Prefix 'LogicName' with 'LonDeviceName'		
C Override Existing Files		
4. Generate graphics	Generate	
Program ID:	9000C3000000004	Exit
Status I Step 1011040Get Node fb call. PointID = 47	Node fb call. PointID = 4711Step 2. NodeName: Channel 1^^1 11Step 2. NodeName: Channel 1^^FAU 11Step . temp: Chann	FAU 1012070Get 🔼 nel 1^^FAU 1
Figure 57		v

- 3. Click *Browse...*, Select the Template *.asp* page you will use to generate graphics. then click *OK*.
- 4. Select the *Main Node* from the drop down box. This node will be used as a template to find other nodes. This will find other nodes with identical *Program ID*s. All nodes with identical *Program ID*s will be displayed in the large text box. Hold down the Ctrl key and click on nodes for which you want to generate graphics, or alternately, select the *Generate For All Nodes* checkbox to generate graphics for all listed nodes. All graphics will be generated and stored in the directory where the *.asp* Template is located. If the web page contains points linked to the Main Node then the Graphics Generator will import and configure the necessary points from the target nodes if they do not already exists. Graphic names will consist of the *.asp* Template name, channel name, and device name

4.0 Global Override

The *Global Override* is a utility that can, when given a network input variable, or config property name and value will override the same network input variable, or config property in all chosen devices with the same *Program ID*.

4.1 Network Variables

1. To start the *Global Override* utility for variables, start the LNS config and click on *GlobalOverride, Variables.*

2. The *Variable GlobalOverride* utility will start.

🖀 Network Vari	able Global Override		
1.) Choose a Network Vari	able		
GetChannels			
Channels	Devices	Variables	
	Program ID	FuncProfileNam	e
	Comitioned	FunProfileProgN	lame
2) Modify the Value to be	written:	VariableName	
		ProgName	
Value		Selector	
3) Select Channels and (levices to be written	DSFormatType	
GetDevices		Index	1
		Variables Device Pr Index of ti selected i	are written based on rogram ID, and Variable ne Device/Variable in step 1.

3. Click on the *GetChannels* button.

🖥 Network Variable Global Override	
1.) Choose a Network Variable	
GetChannels	
Channels Devices	Variables
Channel 2	
Program ID	FuncProfileName
Comitioned	FunProfileProgName
2.) Modify the Value to be written:	VariableName
Value	ProgName
	Selector
3.) Select Channels and devices to be written	
GetDevices	
	Variables are written based on Device Program ID, and Variable Index of the Device/Variable selected in step 1.
	WRITE

4. All the channel's on network will show in the *Channels* list. Choose the channel of the device you wish to use as your template.

Retwork Variable Global Override		
1.) Choose a Network Variable		
GetChannels		
Channels Devices	Variables	
Channel 1 Channel 2		
Program ID	FuncProfileName	
Comitioned	FunProfileProgName	
2) Modify the Value to be written:	VariableName	
	ProgName	
Value	Selector	
' 3) Select Channels and devices to be written	DSFormatType	
GatDevices	Index I	
	Variables are written based o Device Program ID, and Varia Index of the Device/Variable selected in step 1.	n able

5. All the devices on that channel will show in the *Device* list. Choose the device you wish to use as your template.

💀 Network Variable Global Override	
1.) Choose a Network Variable	
GetChannels	`
Channels Devices Channel 1 LNS Network Interface Channel 2 FC H1-1 Rm101 FC H1-2 Rm118B FC H1-2 Rm118B FC H1-3 Rm112 FC H1-3 Rm114 FC H1-4 Rm144 FC H1-5 Rm126 FC H1-7 Rm133 BC H1-7 Rm203C BC H1-7 Rm203C BC H1-2 Rm108 BC H1-3 Rm121 Y	Variables
Program ID Comitioned	FuncProfileName FunProfileProgName
2.) Modify the Value to be written:	ProgName
Value	Selector
3.) Select Channels and devices to be written	DSFormatType
GetDevices	Variables are written based on Device Program ID, and Variable Index of the Device/Variable selected in step 1.

6. All the network variables for that device will show in the *Variables* list. Choose the variable you wish to use as your template.

🐱 Network Vari	iable Global Override			
1.) Choose a Network Var	iable			
GetChannels				
Channels	Devices	Varia	ibles	
Channel 1 Channel 2	LNS Network Interface FC H1-1 Rm101 FC H1-2 Rm118B FC H1-3 Rm112 FC H1-4 Rm114 FC H1-5 Rm126 FC H1-6 Rm130 FC H1-7 Rm133 BC H1-7 Rm203C BC H1-1 Rm108 BC H1-1 Rm108 BC H1-1 Rm121	Onvo Invi Onvo Invi Onvo Invi Onvo Invi Onvo Invi Onvo Onvo Invi Onvo Onvo	oFileDirectory DamperCalib RmStpnt SBHtgSP SBCIngSP Occ AhuMode CValveOvr HValveOvr HValveOvr DamperOvr viClrRunHrs viOSATemp	
,	Program ID 9000C35014040405 Comitioned 0	FuncPi	rofileName ofileProgName	
2.) Modify the Value to be	e written:	Variab	leName	
Value		ProgNa	ame I F	
		- Selecto	or I	
3.) Select Channels and	devices to be written	Index	matrype f	
GetDevices				
			Variables are wri Device Program Index of the Dev selected in step '	tten based on ID, and Variable ice/Variable 1.
				WRITE

7. The variable value will show in the *Value* box. Modify the value to the new value you wish to use as your template. Click the *GetDevices* button.

Retwork Varia	ble Global Override		
1.) Choose a Network Varia	ble		
GetChannels			
Channels	Devices	Variables	
Channel 1 Channel 2	LNS Network Interface FC H1-1 Rm101 FC H1-2 Rm118 FC H1-3 Rm112 FC H1-3 Rm114 FC H1-5 Rm126 FC H1-6 Rm130 FC H1-7 Rm203C BC H1-7 Rm203C BC H1-1 Rm125 BC H1-2 Rm108 BC H1-3 Rm121	InvoFileDirectory InviDamperCalib ZnviRmStpnt SnviSBHtgSP 4nviSBCIngSP fnviAbuMode 7nviCvalveOvr 8nviIValveOvr 8nviIValveOvr 10nviCrRunHrs 11nviOSATemp	
	Program ID 9000C35014040405 Comitioned 0	FuncProfileName FunProfileProgName	
2.) Modify the Value to be v	written:	VariableName	nviOcc
Value		ProgName	InviOcc
OC_OCCUPIED		DSEcrmatType	SNVT_occupancy
3.) Select Channels and de	evices to be written	Index	5
GetDevices		Variables are v Device Progra Index of the D selected in ste	written based on m ID, and Variable evice/Variable p 1. WRITE

All the devices on the network that match the *Program ID* of the template device will show in the list below the *GetDevices* button. Choose the devices you wish to have overridden. You can hold the *Shift* and *Cntrl* buttons to modify you selections.

💀 Network Varia	ble Global Override		
1.) Choose a Network Varia	ble		
GetChannels			
Channels	Devices	Variables	
Channel 1 Channel 2	LNS Network Interface FC H1-1 Rm101 FC H1-2 Rm118B FC H1-3 Rm112 FC H1-4 Rm114 FC H1-5 Rm126 FC H1-6 Rm130 FC H1-7 Rm133 BC H1-7 Rm203C BC H1-1 Rm125 BC H1-2 Rm108 BC H1-3 Rm121	 0 nvoFileDirectory 1 nviDamperCalib 2 nviRmStpnt 3 nviSBHtgSP 4 nviSBClngSP 5 nviOcc 6 nviAnuMode 7 nviCValveOvr 8 nviHValveOvr 9 nviDamperOvr 10 nviClrRunHrs 11 nviOSATemp 	
	Program ID 9000C35014040405	FuncProfileName	
	Commoned	VariableName	nviOcc
2.) Modify the Value to be v	written:	ProgName	nviOcc
Value		- Selector	16378
OC_OCCUPIED		DSFormatType	SNVT_occupancy
3.) Select Channels and de	evices to be written	Index	5
$\label{eq:GetDevices} \hline \\ \hline \\ \hline \\ Channel 1 BC H1-1 Rm1 \\ Channel 1 BC H1-3 Rm1 \\ Channel 1 BC H1-4 Rm1 \\ Channel 1 BC H1-5 Rm2 \\ Channel 1 BC H2-1 Rm1 \\ Channel 1 BC H2-1 Rm1 \\ Channel 1 BC H2-3 Rm1 \\ Channel 1 BC W2-2 Rm' \\ Channel 1 FC B1-1 \\ Channel 1 FC B1-2 \\ Channel 1 FC B1-3 \\ Channel 1 FC B1-3 \\ Channel 1 FC B1-3 \\ Channel 1 FC B1-4 \\ Channel 1 FC H1-3 Rm1 \\ Channel 1 FC H1-3 Rm1 \\ Channel 1 FC H1-3 Rm1 \\ Channel 1 FC H1-5 Rm1 \\ Channel 1 FC H1-5 Rm1 \\ Channel 1 FC H1-6 Rm1 \\ Channel 1 FC H1-6 Rm1 \\ \hline \\ $	25 21 20A 02B 02A 02 01 03 114 114 12 12 14 26 30	Variables are v Device Progra Index of the D selected in ste	written based on m ID, and Variable evice/Variable p 1.

9. When the target devices have been selected click the *WRITE* button to override the variables with the new value.

💀 Network Vari	able Global Override			
1.) Choose a Network Vari	able			
GetChannels				
Channels Channel 1 Channel 2	Devices LNS Network Interface FC H1-1 Rm101 FC H1-2 Rm118B FC H1-3 Rm112 FC H1-4 Rm114 FC H1-5 Rm126 FC H1-6 Rm130 FC H1-7 Rm133		/ariables 0 nvo File Directory 1 nvi Damper Calib 2 nvi RStpnt 3 nvi SBHtg SP 4 nvi SBClng SP 5 nvi Occ 6 nvi Ahu Mode 7 nvi CValve Ovr	
	BC H1-7 Rm203C BC H1-1 Rm125 BC H1-2 Rm108 BC H1-3 Rm121	~	8 nviHValveOvr 9 nviDamperOvr 10 nviClrRunHrs 11 nviOSATemp	~
	Program ID 9000C35014040405 Comitioned 0		incProfileName inProfileProgName	
2.) Modify the Value to be	written:	Va	iriableName	nviOcc
Value		Pr	ogName	InviOcc
OC_OCCUPIED		Se	lector	16378
3) Select Channels and d	lavices to be written	DS	SFormatType	SNV1_occupancy
		Inc	lex	lo.
$\label{eq:constraints} \begin{array}{ c c c c c c c c c c c c c c c c c c c$	114 101 1188 112 114 126 130 133 101 117 102 105 112 105 105		Variables are v Device Program Index of the De selected in step	written based on m ID, and Variable evice/Variable p 1. WRITE

4.2 Config Properties

The *Config Properties Global Override* utility works just like the *Network Variable Global Override*, only it works on confutation properties of a device. Please refer the above section for details.

5.0 Report Generator

The *Global Variable Report Generator* is a utility that can, when given a list of devices and network variables will generate an XML file with a snap shot of all the listed device's choose variable values. This XML file can then be imported into a spreadsheet editor (such as Microsoft Excel) or other program to make graphs or tabulate data or just have the raw data reviewed natively.

5.1 Variables

To start the *Variable Report Generator* utility for variables, start the LNS config and click on *ReportGenerator, Variables*.

2. The *Variable Report Generator* utility will start.

🖷 VariableReport			
1.) Choose a Network Variab	le		
GetChannels			
Select a Channel:	Select a Device:	Select Variables:	
,	,	FuncProfileName	
		FunProfileProgName	
	Program ID	VariableName	
(Comitioned	ProgName	
		Selector	
3.) Select Channels and dev	ices to report	DSFormatType	
GetDevices	-	Index I	
			READ

3. Click on the *GetChannels* button.

💀 VariableReport		
1) Choose a Network Varial	ke	
GetChannels	Select a Device:	Select \/ariables
1		
		FuncProfileName
		VariableName
	Comitioned	ProgName
		Selector
3.) Select Channels and dev	vices to report	DSFormatType
GetDevices		index ,
		PEAD
		READ

4. All the channel's on network will show in the *Channels* list. Choose the channel of the device you wish to use in your report.

🖷 VariableReport	
1.) Choose a Network Variable	
GetChannels	
Select a Channel: Select a Device:	Select Variables:
Channel 1 Channel 2	
	FuncProfileName
	FunProfileProgName
Program ID	VariableName
Comitioned	ProgName
	Selector
3) Select Channels and devices to report	DSFormatType
GatDaviasa	Index
	DEAD
	READ

5. All the devices on that channel will show in the *Device* list. Choose the device you wish to use in your report.

🖷 VariableReport		
1.) Choose a Network Variable		
GetChannels	、	
Select a Channel: Select a Device: Channel 1 INS Network Interface Channel 2 FC H1-1 Rm 101 FC H1-2 Rm 118B FC H1-2 Rm 118B FC H1-3 Rm 112 FC H1-3 Rm 112 FC H1-5 Rm 126 FC H1-6 Rm 130 FC H1-7 Rm 133 BC H1-7 Rm 203C BC H1-1 Rm 125 BC H1-2 Rm 108 BC H1-3 Rm 121 FM 108	Select Variables:	
	EuroProfileName	
	FunProfileProgName	
	VariableName	
Program ID	ProgName	
Comitioned	Selector	
	DSFormatType	
3.) Select Channels and devices to report	Index	
GetDevices		
		READ

6. All the network variables for that device will show in the *Variables* list. Choose the variable's you wish to have in your report. You can hold the *Shift* and *Cntrl* buttons to modify you selections.

🖩 VariableReport		
1.) Choose a Network Variab	le	
GetChannels		
Select a Channel:	Select a Device:	Select Variables:
Channel 1 Channel 2	LNS Network Interface FC H1-2 Rm101 FC H1-2 Rm118B FC H1-3 Rm112 FC H1-4 Rm114 FC H1-5 Rm126 FC H1-6 Rm130 FC H1-7 Rm133 BC H1-7 Rm203C BC H1-1 Rm125 BC H1-2 Rm108 BC H1-3 Rm121	0 nvoFileDirectory 1 nviDamperCalib 2 nviRmStpnt 3 nviSBHtgSP 4 nviSBCIngSP 5 nviOcc 6 nviAhuMode 7 nviCValveOvr 8 nviHValveOvr 9 nviDamperOvr 10 nviClrRunHrs 11 nviOSATemp
3.) Select Channels and dev	Program ID 9000C35014040405 Comitioned 0 ices to report	FuncProfileName FunProfileProgName VariableName ProgName Selector DSFormatType Index
GetDevices		READ

7. Click the *GetDevices* button.

🖩 VariableReport			
1.) Choose a Network Variab	le		
GetChannels			
Select a Channel:	Select a Device:	Select Variables:	
Channel 1 Channel 2	LNS Network Interface FC H1-2 Rm101 FC H1-2 Rm118B FC H1-3 Rm112 FC H1-4 Rm114 FC H1-5 Rm126 FC H1-6 Rm130 FC H1-7 Rm133 BC H1-7 Rm203C BC H1-1 Rm125 BC H1-2 Rm108 BC H1-3 Rm121	0 nvoFileDirectory 1 nviDamperCalib 2 nviRmStpnt 3 nviSBHgSP 4 nviSBClngSP 5 nviOcc 6 nviAhuMode 7 nviCValveOvr 8 nviHValveOvr 9 nviDamperOvr 10 nviClfRunHrs 11 nviOSATemp	
3.) Selest Channels and dev GetDevices	Program ID 9000C35014040405 Comitioned 0 ices to report	FuncProfileName FunProfileProgName VariableName ProgName Selector DSFormatType Index	
			READ

All the devices on the network that match the *Program ID* of the template device will show in the list below the *GetDevices* button. Choose the devices you wish add to your report. You can hold the *Shift* and *Cntrl* buttons to modify you selections.

🗷 VariableReport		
1.) Choose a Network Variab	le	
GetChannels		
Select a Channel:	Select a Device:	Select Variables:
Channel 1 Channel 2	LNS Network Interface	1 nviDamperCalib 2 nviRmStpnt
	FC H1-2 Rm118B FC H1-3 Rm112	3 nviSBHtgSP 4 nviSBCIngSP
	FC H1-4 Rm114 FC H1-5 Rm126	5 nviOcc 6 nviAbuMode
	FC H1-6 Rm130 FC H1-7 Rm133	7 nviCValveOvr 8 nviHValveOvr
	BC H1-7 Rm203C	9 nviDamperOvr 10 nviCleBup Hm
	BC H1-2 Rm108	11 nviOSATemp
1		
		FuncProfileName
		FunProfileProgName
	Program ID 9000C35014040405	VariableName
	Comitioned 0	ProgName
		Defector
3.) Select Channels and dev	rices to report	
GetDevices		index)
Channel 1 - - FC H1-1 Rm10 Channel 1 - - FC H1-2 Rm11 Channel 1 - - FC H1-3 Rm11 Channel 1 - - FC H1-3 Rm11 Channel 1 - - FC H1-5 Rm12 Channel 1 - - FC H1-6 Rm13 Channel 1 - - FC H1-7 Rm13 Channel 1 - - FC H1-7 Rm12 Channel 1 - - BC H1-4 Rm12 Channel 1 - - BC H1-4 Rm12 Channel 1 - - BC H1-6 Rm20 Channel 1 - - BC H2-1 Rm10 Channel 1 - - FC W2-1 Rm10 Channel 1 - - FC W2-2 Rm11 Channel 1 - - FC W2-2 Rm11 Channel 1 - - BC W2-2 Rm11 Channel 1 - - BC W2-2 Rm11 Channel 1 - - BC W2-2 Rm11 Channel 1 - - FC W2-2 Rm11 Channel 1 - - FC W2-2 Rm11 Channel 1 - - FC W2-3 Rm10	1 88 2 44 6 0 3 5 5 1 0 4 8 2 2 2 1 1 1 1 7 13 3 14 15 5 12	▲ ■ ■ ■ ■

9. When the target devices have been selected click the *READ* button to generate the report with containing the selected devices and variables.

💀 VariableReport	1			
1.) Choose a Network Varia	ble			
GetChannels				
Select a Channel:	Select a Device:		Select Variables:	
Channel 1 Channel 2	LNS Network Interface FC H1-1 Rm101	^	1 nviDamperCalib 2 nviRmStpnt	^
	FC H1-2 Rm118B FC H1-3 Rm112		3 nviSBHtgSP 4 nviSBClngSP	
	FC H1-4 Rm114 FC H1-5 Rm126		5 nviOcc 6 nviAbuMode	
	FC H1-6 Rm130 FC H1-7 Rm133		7 nviCValveOvr 8 nviHValveOvr	
	BC H1-7 Rm203C BC H1-1 Bm125		9 nviDamperOvr 10 nviOrBunHrs	
	BC H1-2 Rm108	~	11 nviOSATemp	~
1				
		F	FuncProfileName	
		F 	FunProfileProgName	
	Program ID 9000C35014040405	_ `	/ariableName	
	Comitioned 0		ProgiName I	
		с Г		
3.) Select Channels and de	vices to report		ndev	
GetDevices			ildex ,	
Chappel 1 July FC H1.1 Rm1(11			
Channel 1 FC H1-2 Rm1	18B		<u> </u>	
Channel 1 FC H1-4 Rm1	12 14			
Channel 1 FC H1-5 Rm12 Channel 1 FC H1-6 Rm13	20 30			
Channel 1 BC H1-7 Rm13 Channel 1 BC H1-1 Rm13	33 25			
Channel 1 BC H1-3 Rm1. Channel 1 BC H1-4 Rm1.	21 20A			
Channel 1 BC H1-5 Rm2 Channel 1 BC H1-6 Rm2	D48 D2A			
Channel 1 BC H2-1 Rm10 Channel 1 BC H2-3 Rm10	02 01			
Channel 1 FC W2-1 Rm1 Channel 1 FC W2-2 Rm1	01 17			
Channel 1 BC W2-1 Rm1 Channel 1 BC W <u>2-2 Rm1</u>	03 14			READ
Channel 1 FC W2-7 Rm1 Channel 1 FC W2-3 Rm1	05		~	

10. When the report is done being created a pop up box will display with the location of the XML file.

VariableReport			
1.) Choose a Network Variat	le -		
GetChannels			
Select a Channel:	Select a Device:	Select Variables:	
Channel 2	FC H1-1 Rm101 FC H1-2 Rm118B FC H1-3 Rm112 FC H1-4 Rm114	2 nviRmStpnt 3 nviSBHtgSP 4 nviSBCIngSP 5 nviOcc	
	FC H1-5 Rm126 FC H1-6 Rm130 FC H1-7 Rm133 BC H1-7 Rm203C BC H1-1 Rm125	6 nviAhuMode 7 nviCValveOvr 8 nviHValveOvr 9 nviDamperOvr 10 nviClrRunHrs	
	BC H1-2 Rm108 BC H1-3 Rm121	11 nviOSATemp 12 nvoCHWValve	~
		FuncProfileName	
		FunProfileProgName	
Report generated and	saved at: C:\LonWorks\Apps\QCI\Ex	port\Report_2007-1-11	_10-7-38.xml
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