# Procidia iWare AlarmWorX32

Alarm Logger February 2012

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#### **Introduction / Content**

#### Scope

- Review Alarm server configuration
- Alarm Logger configuration
- Alarm Viewer setup

#### Content

- Overview
- Alarm Server Configurator
- Alarm Logger Configurator
- Alarm Report Viewer
- Runtime example





# AlarmWorX32 Overview

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#### AlarmWorX32 Overview

#### AlarmWorX32 Components

- AlarmWorX32 Server Configurator
- AlarmWorX32 Server
- AlarmWorX32 Viewer
  - GraphWorX32 ActiveX component
- AlarmWorX32 Logger Configurator
- AlarmWorX32 Logger Server
- AlarmWorX32 Report Viewer
  - GraphWorX32 ActiveX component

#### AlarmWorX32 Server Configurator

AlarmWorX32 Server Configurator utility builds the alarm management configuration database.

The alarm management database defines alarm tags and management criteria.

#### Alarm tags

- Alarm tags are associated with Data Access OPC tags.
- Alarm definition

#### Alarm management criteria

- Acknowledgement requirement
- Severity level
- Area filtering

#### AlarmWorX32 Server

The AlarmWorX32 Server is an Alarm & Event OPC server.

The Alarm Server is started when the project is launched.

- It runs in the background independent of other Procidia iWare components.
- GenTray manages the Alarm server.

#### Start-up

- Alarm Server connects with the alarm management configuration database in order to obtain the alarm tag list and management criteria.
- Alarm Server establishes connections with the Data Access OPC servers.

#### Runtime

- Monitors OPC tag values.
- Alarm Server manages the alarm event states.

#### **Alarm Viewer**

The AlarmWorX32 Viewer is an ActiveX component that runs within the GraphWorX32 environment.

- The Viewer connects to the Alarm server.
- The Viewer posts active and non-acknowledged alarm events.

#### AlarmWorX32 Logger Configurator

The AlarmWorX32 Logger Configurator defines alarm events to be recorded.

- Alarm events are logged to a database file or sent to a local printer.
- Alarms events to be recorded are indentified by specifying alarm tag filters.
- Alarm event attributes to be logged/printed are specified
  - Attributes are details about the alarm.

Database logging

Alarm events can be logged to a Microsoft Access or SQL database.

#### AlarmWorX32 Report Viewer

The AlarmWorX32 Report viewer is an ActiveX components that runs within the GraphWorX32 environment.

- The alarm report viewer connects to the alarm logging database.
- The alarm report viewer displays a history of events.





# Alarm Server Configurator

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#### **Alarm Server Configurator**

At startup, the Alarm logger server connects to the Alarm and Event OPC servers.

The Alarm Logger server monitors for alarm event state changes.

- Alarm logger records events to the alarm logging database.
- Specific alarm attributes are recorded.



#### **Alarm Server Configurator**

In Procidia 353 applications let the controller determine alarm events.

- Monitor alarm coil status
- Monitor ODD coil status

Configure the Alarm server to monitor for digital alarms.

😫 AlarmServerTest.mdb - AlarmWorX32 Server Configurator by SIEMENS Procidia	
File Edit View Go Action Tools Help	
Alarm Configurations Alarm Configurations Alarm Configurations Alarm Configurations Alarm Configurations Alarm Configurations Alarms Related Values Areas An OPC Input 1: MOORE.ProcidiaModbus.1VAlarm Test Loop01. Colls.L1A1 Ceneral Alarms Related Values Areas APHCNL0386GSNNE APHCNL0386GSNNE Alarm State Value: Message Text: Alarm	
Return To Normal	
Apply Reset Add New Tag	
Keady NU	

#### **Alarm Server Configurator**

When the Alarm OPC Server starts up, it connects to the configuration database in order to obtain the alarm tag list and alarm management criteria.

The Node parameter identifies the alarm configuration database.

- In Node Name list box enter the computer name.
- In Configuration Name list box select the alarm configuration name.







# Alarm Logger Configurator

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#### Alarm Logger – New Database

Create a new Alarm Logging database.

Select File/New

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New	Ctrl+N		2   º <u>.</u>	0- 0-	88 m B		1	?   N	2			
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Connection Properties												
CSV Export												
CSV Import												
XML Export												
XML Export Schema												
XML Import												
XML Validate												
Make Active												
1 AWXLog32.mdb												
2 AlarmLogTest1.mdb												
3 Awx32LogTest4.mdb												
4 Awx32LogTest3.mdb												
Exit												
		1										

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#### Alarm Logger – New Database

Method opens database wizard.

Click Next

Select Microsoft Access database.

Click Next

SIEMENS Procidia AlarmWorX32 L	ogger Configurator Database Wizard	×
	Welcome to the SIEMENS Procidia AlarmWorX32 Logger Configurator Database Wizard This wizard helps you to create new configuration database. (Please note: You have to be logged on as administrator to run this wizard)	
	To continue, click Next.	
< Back, N	lext > Finish Cancel Help	

SIEMENS Procidia AlarmWorX32 Logger Configurator Database Wizard
Which type of database would you like to use? This wizard will create configuration database depending on the choice below.
Choose the type of database you would like to create:
Create new configuration in MS Access database
This will create configuration in a single file (.mdb). Configurator can open this file directly (no other files needed).
C Create new configuration in MS SQL Server database
This will create configuration in MSDE or MS SQL server. Configurator has to use univesal datalink file (.udl) to access this database.
< Back Next > Finish Cancel Help

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#### Alarm Logger – New Database

Create MS Access database file.

 Click "Select or Enter MS Access Database File" button.

Create a folder for project databases in Procidia APPs folder.

- Enter file name and Save.
- Name should identify mdb file as the alarm log database.

SIEMENS Procidia AlarmWorX32 Logger Configurator Database Wizard	×
Creating MS Access Database Please select a file name for new MS Access File	
Select or enter a MS Access Database Name:	
ogram Files\SIEMENS Procidia\\Ware PC\Procidia APPs\Awx32Logger.mdt	
Male Database Astron	
I Make Database Active	
<back next=""> Finish Cancel Help</back>	

Select a file name for new MS Access database	<u>?</u> ×
Save in: 🗀 Server Database 💽 🗢 🛍 🎁	<u>.</u>
J	
File name: AlarmLogTest1.mdb	Save
Save as type: Microsoft Access Databases (*.mdb)	Cancel

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#### Alarm Logger – New Database

Click Finish

Method opens Alarm Logger Configurator user interface.

SIEMENS Procidia AlarmWorX32 Logger Configurator Database Wizard Creating MS Access Database Please select a file name for new MS Access File	×
Select or enter a MS Access Database Name: C:\Program Files\SIEMENS Procidia\Ware PC\Procidia APPs\ServerDatab	
☑ Make Database Active	
Kext Next Finish Cancel H	lelp



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### Alarm Logger – Add Configuration

Create a new logging configuration.

- Right-mouse click Configuration
- Select New/Configuration

- Enter logging configuration name
- Click Apply

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#### Alarm Logger – Database Logging

Alarm Logger can log alarm events to a database or a printer.

Configure to log to a database.

- Select Database Logging tab
- Click Table Management button
- Check Enable Database logging check box
- Enter logging Table Name
- Configure Active Table records
- Configure Archive Tables
- Click Apply

👘 AlarmLogTest1.mdb - Alarm	VorX32 Logger Configurator by SIEMENS Procidia	- U ×
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	Image: Second	
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#### Alarm Logger – Database Connection

Make a connection between the Alarm Logger server and the Alarm Logging database.

- Click Database Connection button
- Click ODBC Data Source button

Method opens the ODBC Data Source selection dialog box.



Select Data Source
File Data Source Machine Data Source
Look in: Data Sources
DSN Name: New
Select the file data source that describes the driver that you wish to connect to.
You can use any file data source that refers to an ODBC driver which is installed on your machine.
OK Cancel Help

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#### Alarm Logger – ODBC Data Source

Create an ODBC Data Source connection.

- Select Machine Data Source tab
- Click New button

- Select "System Data Source to the machine only" option
- Click Next

Data Source Name	Туре	Description	
dBASE Files	User		
Excel Files	User		
GLOBALDBonSho0s01atrus	User		
Hart3	System	SIMATIC PDM Protocol	
HART 2	System	SIMATIC PDM Protocol	
JWS Recipe	System		
MS Access Database	User		
PdmTmp00	System	SIMATIC PDM Protocol	_
DI Historian	Custom		, č
A Machine Data Source is spe "User" data sources are speci	ecific to thi ific to a us ers on this	s machine, and cannot be shared er on this machine, "System" date machine, or by a system-wide ser	a vice.
sources can be used by all us			

Create New Data Source		×
	Select a type of data source: C User Data Source (Applies to this machine only) C System Data Source (Applies to this machine only)	
	Selecting System Data Source creates a data source which is specific to this machine, and usable by any user who logs onto this machine.	
	< Back. Next > Cancel	

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#### Alarm Logger – ODBC Data Source

- Select Microsoft Access Drivers v4.0
- Click Next

Click Finish

Create New Data Source	×
Select a driver for which you want to set up a data source         Name       V         Driver da Microsoft para arquivos texto (".txt; ".csv)       4         Driver do Microsoft Access (".mdb)       4         Driver do Microsoft Base (".dbf)       4         Driver do Microsoft Paradox (".db )       4         Microsoft Access Driver (".mdb)       4         Microsoft Access Driver (".mdb)       4         Microsoft Base MED Driver (".mdb)       4         Microsoft Base MED Driver (".dbf)       4         Microsoft Base Driver (".dbf)       4 <t< th=""><th></th></t<>	

Create New Data Source		×
	When you click Finish, you will create the data source which you have just configured. The driver may prompt you for more information.	1
	System Data Source Driver: Microsoft Access Driver (*.mdb)	
	< Back Finish Cancel	

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#### Alarm Logger – ODBC Data Source

Method opens ODBC Microsoft Access Setup dialog box.

- Enter Data Source Name
- Click Database Select button

Select Alarm Logger database fileClick OK

Optionally, a separate database to log events can be created.

ODBC Microsoft Ac	cess Setup	<u>? ×</u>
Data Source Name:	ProcidiaAlarmLogger	OK
Description:		Cancel
Database		
Database:		Help
Select	Create Repair Compact	Advanced
- System Database -		
• None		
C Database:		
	System Database	Options>>



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#### Alarm Logger – ODBC Data Source

Database file is associated with ODBC data source.

Click OK

ODBC data source connection is listed under Machine Data Source.

Click OK

ODBC Microsoft Acc	cess Setup	<u>?</u> ×
Data Source Name:	ProcidiaAlarmLogger	ОК
Description:		Cancel
Database		
Database: C:\\S	erverDatabase\AlarmLogTest1.mdb	Help
Select	Create Repair Compact	Advanced
System Database —		
None		
C Database:		
	System Database	Options>>

ect Data Source			?)
ile Data Source Machine Data	a Source		
Data Source Name	Тире	Description	
JWS Recipe	System	Description	
MS Access Database	User		
PdmTmp00	System	SIMATIC PDM Protocol	
PI_Historian	System		
ProcidiaAlarmLogger	System		
ProcidiaLicense	System	iWare License Database	
SCR	User		
SERIALNO on Sho0s01 a	User		-
•			
<u></u>			
			New
		1	11011
A Machine Data Source is sp	ecific to thi	s machine, and cannot be sl	hared.
"User" data sources are spec	cific to a us	er on this machine. "System	" data
sources can be used by all us	sers on this	machine, or by a system-wid	le service.
			1
		UK Lancel	Heip

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#### Alarm Logger – Alarm Server Connection

Alarm Logger server connects with the Alarm Server and/or the Event Server in order to monitor for alarm event state changes.

Create a connection with the Iconics Alarm OPC Server.

Click Edit Subscription button.

🇌 AlarmLogTest1.mdb - Alarm	WorX32 Logger Configurator by SIEMENS Procidia	<u>- 0 ×</u>
File Edit View Go Action Too	vis Help	
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Configurations Gonfigurations Gonfigurations Gonfigurations Gonfigurations Gonfigurations Nodes	Name       AlamLogger         Alam       Column type       Line number       Start position         Wath       Wrap         Name       Column type       Line number         Start position       Width       Wrap         Image: Alam       Alam       Image: Alam         Filter:       Image: Alam       Image: Alam         Database Logging       Printer Logging       Translation         Image: AlamLog       Image: Alam       Image: Alam         AlamLog       Image: Alam       Image: Alam         Active Table       Image: Image: Alam       Image: Imag	
	Apply Reset Add New Edit Subscription	
Ready	0 Object(s) NUI	1

#### Alarm Logger – Alarm Server Connection

Method opens the Subscription Properties dialog box.

Create a connection.

Click Add button

Enter a connection name.

Iconics Alarm Server

Specify the Alarm Server and edit subscription filters and attributes.

Click Edit button

×

Subscription Properties	×
Subscription	
Iconics Alarm Server	
Add Edit Delete Rename	
OK Cancel Apply Help	

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### Alarm Logger – Alarm Server Connection

Method opens the Event Subscription dialog box.

Specify the Iconics Alarm server.

Click Browse button.

Method opens the Alarm & Event OPC Browser.

Select Iconics.AlarmServer.1Click OK

Event Subscription - Iconics Alarm Server	×
Server Types Categories Areas Sources Attributes	
Node: Browse	
Event Server:	
OK Cancel Help	



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#### Alarm Logger – Alarm Server Connection

The Alarm server requires the node name to be specified.

 Enter the computer name in Node list box.

vent Subscriptio	on - Iconics Alarm Server 🛛 🙎 🔀
Server Types	Categories Areas Sources Attributes
Node:	Browse
Event Server:	AlarmWorX32 Server
	OK Cancel Help
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Tene Subscription	
Server Turner	Conservation I Assess I Common I Amiliana
Server Types	Categories Areas Sources Attributes
Server Types	Categories Areas Sources Attributes
Server Types	Categories Areas Sources Attributes
Server Types Node: Event Server:	Categories Areas Sources Attributes
Server Types Node: Event Server:	Categories Areas Sources Attributes          APHCNU0386GSNNB       Browse         AlarmWorX32 Server
Server Types Node: Event Server:	Categories Areas Sources Attributes          APHCNU0386GSNNB       Browse         AlarmWorX32 Server
Server Types Node: Event Server:	Categories Areas Sources Attributes APHCNU0386GSNNB Browse AlarmWorX32 Server
Server Types Node:	Categories Areas Sources Attributes          APHCNU0386GSNNB       Browse         AlarmWorX32 Server

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#### Alarm Logger – User-Defined Attributes

The Alarm logger has a set of standard alarm event attributes that can be selected for logging.

Attributes are details about an event.

- Tag name
- Time stamp

For alarm attributes that are not standard, the method is to specify user-defined attributes.

- Click Attributes tab
- Select Digital Event Category

Event Subscription - Iconics Alarm Server	? ×
Server Types Categories Areas Sources Attributes	
Sort by:      Name      ID Event Category: Digital	ㅋ
Available: Subscribed:	-
{null}       Atr Subscribed         ACK COMMENT       Add ->         ALARM COUNT       Add ->         AREA       CV         DEFAULT DISPLAY       <- Remove	•
OK Cancel Help	

#### Alarm Logger – User-Defined Attributes

Specify user-defined attributes.

- Select attribute
- Click Add -> button to transfer

Note the attribute number assigned.

 This number is the attribute reference when configuring the Alarm Report Viewer.

Event Subscription - Iconics Alarm Server
Server Types Categories Areas Sources Attributes
Sort by:  Name OID Event Category: Digital
Available: Subscribed:
{null}       ▲         ACK COMMENT       ▲         ALARM COUNT       Add ->         AREA       △         CV       DEFAULT DISPLAY         HELP TEXT       ✓         LOOP DESC       ✓         NORMAL STATE       ✓
OK Cancel Help

#### Alarm Logger – Event Filtering

The project may require only specific alarm events to be logged.

Event Subscriptions dialog box supports filtering.

- Types
- Categories
- Areas
- Sources

#### Alarm Logger – Event Filtering

#### Types

- In the Alarm Server Configurator, alarms are assigned a severity level.
- In the Alarm Logger Configurator, alarms that meet the severity criteria are logged.
- Default severity range is 1 to 1000.





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#### Alarm Logger – Event Filtering

#### Categories

- Categories are alarm types.
- Digital alarm type is recommended.
- If no categories are specified, then category filter criteria is not applicable.

Event Subscription - Iconics Alarm Server	<u>? ×</u>
Server     Types     Categories     Areas     Sources     Attributes       Available:     Subscribed:       Deviation     Digital     Add ->       DPC Server Error     Rate of Change     <-Remove       System Configuration     System Message	
OK Cancel	Help

#### Alarm Logger – Event Filtering

#### Areas

- In the Alarm Server Configurator, alarms can be assigned to areas.
- Areas are groupings of alarm tags.
- Example shows an alarm logging group.
- If no area is specified, then area filter criteria is not applicable



Event Subscription - Iconics Alarm Server	? ×
Server Types Categories Areas Sources Attributes	1
Logging Group	Browse
	Delete
OK Cancel	Help

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#### Alarm Logger – Event Filtering

#### Sources

- A source is an alarm tag
- Specify events to log by tag name when filtered by other criteria.
- If no source is specified, then source criteria filter is not applicable.

Source:	A1			
Filter:				
	1			
	2			
	5			

Event Subscription - Iconics Alarm Server
Server Types Categories Areas Sources Attributes
A1 Browse Delete
OK Cancel Help

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### **Alarm Logger – Subscription Properties**

#### Exit Event Subscription dialog box.

Click OK

# Exit Subscription Properties dialog box.Click OK

 Event Subscription - Iconics Alarm Server
 ? ×

 Server
 Types
 Categories
 Areas
 Sources
 Attributes

 Node:
 APHCNU0386GSNNB
 Browse...
 ...

 Event Server:
 AlarmWorX32 Server

Subscription Properties	×
Subscription	
Iconics Alarm Server	
Add Edit Delete Berrare	
OK Cancel Apply Help	1
Carcer Apply Help	

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### Alarm Logger – Column Definition

Column definitions are the alarm event attributes to be logged.

The column definition is the database field name.

Add a new Column Definition.

- Right-mouse click Database Configuration
- Select New
- Click Column Definition

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File Edit View Go Action Tool	s Help	
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Configurations 	Name 🛆 Column type Line number Start pos	ion Width Wrap
	Alarm AlarmLogger	
	Database Logging   Printer Logging   Translation	
	DBC Data source: Modify these set     ProcidiaAlamLogger     Journey admin	ngs if you want OLE DB want to use tion string.
	Leassword:	Advanced
	Apply Beset Add New	Edit Sybscription



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#### Alarm Logger – Column Definition

Method opens the column definition properties view.

Create a column definition for the alarm tag.

- Select attribute type
  - Source
- Enter column name
  - Tag
- Click apply

.

Source is the alarm tag.

🏫 AlarmLogTest1.mdb - Alarm	WorX32 Logger Configurator by SIEMENS Procidia	
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Configurations	Name:       Tag         Lype:       Source         Note:       When Data Logging is enabled then the 'Name' string is used as field name for active and archive table(s).         Printer Logging (column size and position) <ul> <li>Max Width (in characters):</li> <li>0</li> <li>Enable Line Wrapping</li> <li>Line Number:</li> <li>0</li> </ul> Start Position (in characters):       0         Apply       Reset         Agd New	
Ready		NUM

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#### Alarm Logger – Column Definition

Create a column for the time stamp.

Create a column for the alarm message.

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#### Alarm Logger – Column Definition

Create a column for the acknowledgement comment.

ACK Comment was a user-defined attribute assigned to Attribute 2.

- Select Attribute 2
- Name column ACK Comment
- Click apply

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File Edit View Go Action Tools Help	
Configurations       Name:       ACK Comment:         Message       Tag       Note:       When Data Logging is enabled then the 'Name' str name for active and archive table(s).         Printer Logging (column size and position)       Max Width (in characters):       0       Ena         Line Number:       0       Start Position (in characters):       0       Ena         Apply       Reset:       Add New	ng is used as field ble Line Wrapping
Ready	NUM //

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#### Alarm Logger – Node

When an OPC client connects with an OPC server, the client provides a tag list.

- The Alarm Logger is the client.
- The Alarm Server is the server.

The Alarm Logger points to the alarm management configuration database.

Create the link to the alarm management configuration database.

- Right-mouse click Nodes
- Select New
- Click Node



#### Alarm Logger – Node

Method opens the Node property view.

The node is the computer that contains the alarm configuration database.

- Enter computer name
- Click Apply



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#### Alarm Logger – Node

Once the computer has been identified, then he alarm configuration must be specified.

Specify configuration link.

- Right-mouse click computer node
- Select New
- Click "Link to Configuration"

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Configurations AlarmLogger AlarmLogger AcK Comment Message Tag Tag Tag Message ApH-CNU038665NNB New New	e A	onfiguration CtrI+G		Browse
Multiply Delete	Create links	to the selected coni	iguration(s) under this node.	n na uarabase.
Cut Copy Paste			I	
Large Id Small Ic List • Details	rons F7 ons F8 F9 F10			
✓ Dialog v	iew F11			
Insert New 'Link to Configuration'			0 Object(s)	NUM

#### Alarm Logger – Node

Method opens the Configuration Link view.

- Select alarm configuration in the Configuration Name drop down list box.
- Click Apply



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#### Alarm Logger – Node

Link to Alarm Server configuration database.

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Configurations	Name     AlarmLogger       Image: APHCNU0386GSNNB     Browse       Name: Network node configured to run one or more configuration from this database. Create links to the selected configuration(s) under this node.     Browse       Apply     Beset     Add New	
, Ready	1 Object(s) NUM	1 /

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#### **Microsoft Access Database**

Microsoft Access database contains the logging table.

AlarmLog

Logging table contains column definitions fields.

- Tag
- Time
- Description
- Message
- ACK Comment



2	Microsoft Access - [AlarmLo	g:Table]						
8	Eile Edit View Inser	t Format <u>R</u> eco	rds <u>T</u> ools <u>W</u> ind	iow <u>H</u> elp				
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	_TimeUTC	_TimeMsecs	_ConditionNam	e Tag	Time	Description	Message	ACK Comment
Þ	2/24/2012 9:07:59 PM	381	Digital	A1	2/24/2012 4:07:59 PM		Alarm A1 A1 Active	
	2/24/2012 9:08:00 PM	365	Digital	A2	2/24/2012 4:08:00 PM		Alarm A2 A2 Active	
	2/24/2012 9:08:02 PM	381	Digital	A3	2/24/2012 4:08:02 PM		Alarm A3 A3 Active	
	2/24/2012 9:08:04 PM	381	Digital	A3	2/24/2012 4:08:04 PM		Alarm A3 A3 Normal	
	2/24/2012 9:08:06 PM	365	Digital	A2	2/24/2012 4:08:06 PM		Alarm A2 A2 Normal	
	2/24/2012 9:08:07 PM	365	Digital	A1	2/24/2012 4:08:07 PM		Alarm A1 A1 Normal	
*								

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# **Alarm Report Viewer**

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#### GraphWorX32

The alarm viewer displays active alarm events.

The alarm report viewer displays the logged event history.

To add a report viewer to a GraphWorX32 display, click on the Report button on the ActiveX toolbar.

Add AlarmWorX32 Report ActiveX

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#### GraphWorX32

The report viewer is an ActiveX component that supports customization.

Open the report viewer properties dialog box.

Double click on report viewer



#### **Report Viewer – Properties**

The report viewer connects to the alarm logging database.

Make connection with alarm logging database.

 Click Connection Parameters button.

s	IEMENS Procidia	AlarmWorX32 Rep	ort Acti	veX Prop	erties	×
	Summary	Record Filter	ring	Record Sorting		
	Charts Config	juration 📔 We	ition Web Access		Reporting	
	General	Grid Configuration	1	Fonts	Columns	j,
	Title AW	XRep32		Data Source		
	Border Type 3D	Border				
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	🗖 Auto Update e	very 300 sec.	8	Connection parameters		
	Configuration File	e				
	Not Assigned			Ċ#	Load	
	URL Path:	🔲 Use Local set	tings		Save As	
	Not Assigned				(#	
	L					
		OK Cance		Apply	Help	

#### **Report Viewer – Database Connection**

Method opens the Database Connection dialog box.

- Select MS Access database option.
- Click Build Connection String button.

Database Connection			×
- Database Connection			
Data Provider:	MS Access	C MS SQL Server	O ODBC
OLE DB Connection String	ŗ.		
			Build Connection String
Base Lable Name:			
Connection Status:	DISCONEC	CTED	
	Conne	ct	
		(	DK Cancel

#### **Report Viewer – Data Link**

Method opens Data Link Properties dialog box.

Specify the logging database.

- Click "1. Select or enter a database name" button
- Select alarm logging database
- Click OK

🖢 Data L	ink Properties
Provider	Connection Advanced All
Specify	the following to connect to Access data:
1. Se	lect or enter a database name:
2. Er	ter information to log on to the database:
	User name: Admin
	Password:
	Blank password Allow saving password
	Test Connection
	Test Connection



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#### **Report Viewer – Data Link**

Test data link connection.

Click Test Connection button

- Close Data Link Test box
- Close Data Link Properties box

🖏 Data Link Properties 🛛 🔀								
Provider Connection Advanced All								
Specify the following to connect to Access data:								
1. Select or enter a database name:								
C:\Program Files\SIEMENS Procidia\Ware PC\Procidi								
2. Enter information to log on to the database:								
User name: Admin								
Password:								
☑ Blank password □ Allow saving password								
Test Connection								
OK Cancel Help								

Data Li	ink Properties	×							
Provider	Connection Advanced All								
Specify 1. Sel	Specify the following to connect to Access data: 1. Select or enter a database name: C:\Program Files\SIEMENS Procidia\Ware PC\Procidi								
2. Ent L F	2. Enter information to log on to the database:     User name: Admin     Password:     Rank: nassword    Allow saving nassword								
	Microsoft Data Link								
	Test Connection								
	OK Cancel Help								

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#### **Report Viewer – Database Connection**

When database connection is made, the first table in the database is selected.

Select the logging table.

- Click Base Table Name button
- Select logging table
  - AlarmLog

Database Connection		×						
- Database Connection -								
Data Provider:	MS Access     O MS SQL Ser	ver O ODBC						
OLE DB Connection String:								
Provider=Microsoft.Jel Files\SIEMENS Procio APPs\ServerDatabasi	Provider=Microsoft.Jet.OLEDB.4.0;Password="";Data Source=C:\Program Files\SIEMENS Procidia\Ware PC\Procidia APPs\ServerDatabase\AlarmLogTest1.mdb;Persist Security Info=True							
Page Table Name								
Dase i able Mallie.	Lawy cookebuildb							
Connection Status:	DISCONECTED							
	Connect							
	_	UK Cancel						

Database Connection			×					
- Database Connection-								
Data Provider:	MS Access	C MS SQL Server	C ODBC					
OLE DB Connection String:								
Provider=Microsoft.Jet. Files\SIEMENS Procid APPs\ServerDatabase	DLEDB.4.0;Password='''' ia\Ware PC\Procidia i\AlarmLogTest1.mdb;Per:	;Data Source=C:\Progra sist Security Info=True	m A Build Connection String					
Base Table Name:	AlarmLog		-					
Connection Status:	DISCONEC	TED						
	Conner	ot						
		l	JK Cancel					

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#### **Report Viewer – Database Connection**

Establish and confirm database connection.

Click Connect button

Note that connection status is Connected and green LED is lighted.

Close Database Connection box.

Click OK

Database Connection	×								
Database Connection—									
Data Provider: © MS Access © MS SQL Server © ODBC									
OLE DB Connection String:									
Provider=Microsoft.Jet. Files\SIEMENS Procidi APPs\ServerDatabase <sup>v</sup>	Provider=Microsoft.Jet.OLEDB.4.0;Password="";Data Source=C:\Program Files\SIEMENS Procidia\Ware PC\Procidia APPs\ServerDatabase\AlarmLogTest1.mdb;Persist Security Info=True								
Base Table Name:	AlarmLog								
Connection Status:	CONNECTED								
	Disconnect								
L	OK Cancel								

#### **Report Viewer – Update Rate**

#### Set Auto Update rate.

SIEMENS Procio	lia Alarm₩orX32 Report A	ctiveX Prope	erties X						
Summary	Record Filtering	Re	cord Sorting						
Charts Co	nfiguration Web Ac	cess	Reporting						
General	Grid Configuration	Fonts	Columns						
Title	WXRep32	æ	About						
Border Type	3D Border 🗾 💌	Data Source	,						
🔽 Enable Pop	oup Toolbar	Connecteu							
🔽 Auto Updat	e every 🛛 30 🛛 sec. 🎒	Connection	n parameters						
Configuration	File								
Not Assigned	1	(#	Load						
URL Path	n: 📃 Use Local settings		Save As						
Not Assigned	1		(H)						
	OK Cancel	Apply	Help						

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#### **Report Viewer – Columns**

Configure report viewer column headers.

- Click Columns tab.
- Configure column order.

SIEMENS Procidia A	larmWorX	32 Report	ActiveX Pr	operties	×			
Summary	Red	Record Filtering		Record Sorting				
Charts Configur	ration	Web A	Access	Reporting	- I			
General	Grid Confi	guration	Fonts	Columns				
Available:	Available: Selected:							
Column Name [_ConditionName] [_TimeMsecs] [_TimeUTC] [Description]		idd -> H Ta Iemove Mi A(	eaderText ag me essage CKComment	Column Name [Tag] [Time] [Message] [ACK Commen	•			
•		onfig						
0	К	Cancel	Apply	Help				





# Alarm Logger Runtime

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#### Runtime

Start Alarm Logger server.

Carrier Context Alarmy Alarmy File Edit View Go Action Tool	VorX32 Logger Configurator s Heln	by SIEMENS Pr	ocidia			_ <b>_ _ _ _ _</b>
	* • • • • • = =	III 🔄 🚯 🛛	👔 💡 🕅	2		
🖃 📌 Configurations	Name 🛆	Column type	Line number	Start position	Width	Wrap
AlarmLogger	Description	Attribute 1	1	41	16	No
	📑 Message	Attribute 2	1	61	16	No
Message	📑 Tag	Source	1	1	12	No
Time	🞲 Time	Time	1	21	12	No
E Rodes						
- 🗐 APHCNU0386GSNNB	Name Alerel and					
AlarmLogger		ſ				
	Alarm					
	r jiter.				<u></u>	
	Database Logging Printer	Logging Transla	ation			
	Enable Database Log	aina				
	B. Database Connection		114			
		n   ] Ep Table(s	:) Management			
	<u>I</u> able name:		– Archive Tabl	e[e]		
	AlarmLog					
	Active Table		Max Tab	les:	1	
	Max <u>R</u> ecords:	100	Max Rec	ords:	1000	
	May Interval: 1 M	onth(s)	May Inter	rval: 1 Year(s)		
		onai(o)	1 Mangeo	indi: [Infodu(o)		
		1	1	5.0	o	
	Apply Heset	Add New		Edit	Subscription	
	,			4 Object/a)		



#### Runtime

nWorX32.gdf - Grapl w Tools Configure	hWorX32 by SIEMENS Procid Help	ia						
	A1 A2	A3						
	Time / Date	Descriptio	on	Tag Value	Priority Type	Quality	Node	]
			···					
								-
	•						Þ	1
								-
	AVVXRep32 - [AlarmLog]							
	Tag	Time	Message			ACK Comment		
	A1	2/24/2012 4:07:59 PM	Alarm A1 A1 Active					
	A2	2/24/2012 4:08:00 PM	Alarm A2 A2 Active					
	A3	2/24/2012 4:08:04 PM	Alarm A3 A3 Normal					
	A2	2/24/2012 4:08:06 PM	Alarm A2 A2 Normal					
	A1	2/24/2012 4:08:07 PM	Alarm A1 A1 Normal					

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#### **Contact Slide**



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Technical Support	1-800-333-7421; 8 a.m. to 4:45 p.m. eastern time, Monday through Friday (except holidays)				
Customer Service & Returns	1-800-365-8766 (warranty and non-warranty)				
Public Internet Site	http://www.usa.siemens.com/pi				
Technical Publications in PDF	Click the above link to go to the PI home page. Click <b>Support</b> and then <b>Manuals</b> and then, under "Additional Manuals," select the product line (e.g. Control Solutions)				

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