

iFIX* Auto Alarm Manager

Reporting Remote Alarms Over Modem or WAN for Centralized iFIX Management

iFIX Auto Alarm Manager is an ideal application for the management of remote FIX or iFIX SCADA sites, such as Remote Water Plants, Remote Specialty Gas Manufacturing Plants, Remote HVAC or Refrigeration systems by connecting your remote sites to your central alarm management location via modem dial-up lines or a Wide Area Network. Alarm messages are transferred and logged centrally for your long term analysis and management.

Auto-Dialing for Message Transfer

FIX and iFIX are commonly used to monitor and control remote and unmanned applications. Customers in these applications often request the ability to automatically report remote site status or alarm information. The iFIX Auto Alarm Manager delivers exactly that functionality. On alarm, a remote FIX or iFIX node will dial a predefined number through its modem, and establish a RAS (Remote Access Service) TCP/IP connection to a central iFIX node for message transfer. Upon completion, the remote alarms can be automatically acknowledged.

WAN Connectivity

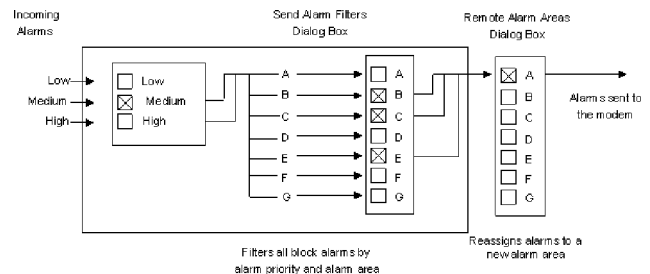
The iFIX Auto Alarm Manager additionally supports WAN (Wide Area Network) connectivity. In this mode, a remote node will simply connect over the WAN (through TCP/IP) and transfer messages. Upon completion, the remote alarms can be automatically acknowledged.

Support for iFIX Alarm Areas A-P and Three Alarm Priorities

iFIX supports two forms of Alarm Areas, the Classic A-P and the newer Named Alarm Areas. Auto Alarm Manager supports Reporting remote Alarms from the Classic A-P category. In addition, iFIX Auto Alarm Manager supports remapping alarm areas from the remote site to the central site (for example – all A-P alarms on a remote site can be mapped to only A on the central site). This enables the user to support up to 16 remote sites with unique A-P alarm organization on the central site.

If greater levels of organization are required, iFIX Auto Alarm Manager can be augmented on the central iFIX node by sending all alarms to a relational database utilizing the iFIX Open Database Connectivity (ODBC) interface. A relational database, combined with iFIX VisiconX Relational Database ActiveX controls, can provide unlimited viewing, filtering, and message management.

iFIX Auto Alarm Manager also supports the classic Low, Medium and High alarm priority functionality. Alarms can be filtered by these three levels. Any alarms outside these levels are either ignored (if they are informational or Lo-Lo) or treated as Hi (if they are Hi-Hi or Critical).



Alarms Filtered By Type and Assigned By Area

Leverage RAS Connectivity for Remote Site Management

iFIX Auto Alarm Manager relies on standard RAS connectivity between systems. This connectivity infrastructure can be leveraged in a number of additional ways.

Central sites can dial and connect via RAS to a remote site for file transfer and system maintenance.

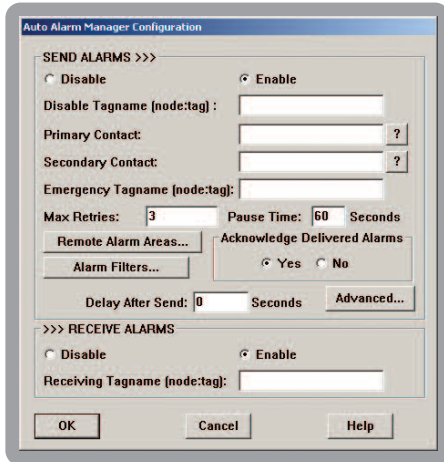
Once an RAS connection is established, a central site can start FIX or iFIX client functionality for the purpose of remote management and, with proper security, remote development through all standard iFIX product features.

Flexible Configuration

Alarm Reporting can be enabled or disabled based on a tag. Of course, a tag can be set on any combination of time or event.

Auto Alarm Manager provides support for both a Primary Call number as well as a secondary number and customers can set up a pair of central systems for enhanced reliability and logging to a common relational database.

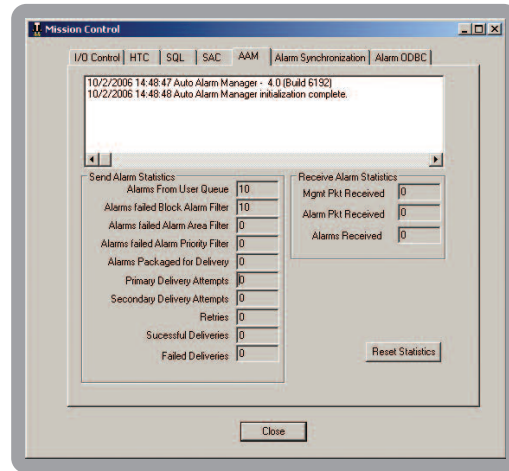
In the event remote alarm reporting fails, iFIX Auto Alarm Manager provides the ability to set an Emergency tag. This tag can then be used to either indicate the failure locally, or take some additional local action.



Auto Alarm Manager Statistics in Mission Control

Extensive Diagnostics

The iFIX Auto Alarm Manager tab in Mission Control provides a full range of statistics including number of messages in the queue, messages transferred, failed transfers, primary and secondary delivery attempts and more. Receive statistics are also provided.



Configuring Features in the SCU (System Configuration Utility)

Other Details

iFIX Auto Alarm Manager is an option to iFIX version 7.0 and iFIX version 4.0. It is included with iFIX Professional and Plus packages and requires the use of networking. It will not work with an iFIX Standard Package. This productivity pack release delivers the Auto Alarm Manager function that enables migration from NETBIOS networking protocol to TCP/IP - which is no longer supported by Microsoft.

iFIX Auto Alarm Manager can be used with iFIX version 7.0 and iFIX version 4.0 or higher sending nodes. The receive node must be an iFIX 4.0 node or higher.

iFIX Auto Alarm Manager offers support for the following operating systems - Microsoft® Windows® XP, Microsoft® Windows® 2000, and Microsoft® Windows® Server 2003. Note - The iFIX product is not available for use on operating systems beyond Windows® 2000.

Where to Get the iFIX Auto Alarm Manager for TCP/IP

An iFIX Auto Alarm Manager SIM can be accessed from the HMI/SCADA Productivity Packs folder in the Developer Downloads section of the GE Fanuc GlobalCare Website.

For more information on GE Fanuc Products:

www.gefanuc.com

GE Fanuc Automation Information Centers

Americas:
1 800 GE FANUC or 434 978 5100

Asia Pacific:
86 21 3222 4555

Europe, Middle East and Africa:
800 1 GE FANUC or 800 1 4332682
or 1 780 401 7717

Europe, Middle East and Africa (CNC):
352 727979 1

©2006 GE Fanuc Automation. All Rights Reserved.
*Trademark of GE Fanuc Automation
All other brands or names are property of their respective holders.

Additional Resources

For more information, please visit the GE Fanuc web site at:

www.gefanuc.com

