

Description: Guide to setting up AlarmWorX32 Multimedia to run as an automatic Windows Service.

OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirement: An understanding of DCOM settings and setting up processes to run as Windows services.

Introduction

There are many instances when one needs to run AlarmWorX32 Multimedia as an automatic service. If the case calls for the email agent to also start automatically, a few steps must be taken. This document explains the steps needed to setup AlarmWorX32 Multimedia and the email agent as a service to work together successfully.

NOTE: This application note will assume that you are running Outlook 2007 using Windows Server 2003 (and Server 2008).

User Setup

1. Create a user on your computer with full administrative rights and no restrictions on password expiration. You can generally create a user by right-clicking on “**My Computer**”, choosing “**Manage**” and going to the “**Local Users and Groups**” portion of the tree control on the left-hand pane.

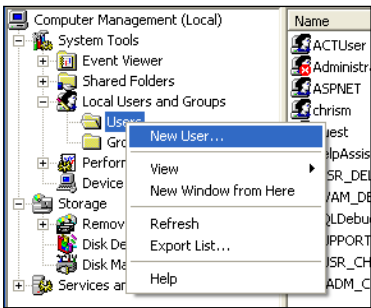


Figure 1 - Creating a New User

2. This user must have email setup properly so that it has rights to send mail via Outlook (or whatever mail client you are using with AlarmWorX32 Multimedia).



Figure 2 - Creating an Email Account with Outlook 2003

Application Settings

For the most part, if you have ran the Application Setup Utility during the installation that should be all you need. However, you should still go to the Services Manager (by going to the Control Panel → Administrative Tools → Services) and set the Startup Type of the ICONICS AlarmWorX32 Multimedia Server and ICONICS AlarmWorX32 Server services to Automatic.

NOTE: If you are using some other Alarm & Event server, you should make sure that this AE server runs as an automatic service as well. Also, if you change the credentials under which the Alarm Server starts, you need to verify that communications with the OPC server are still intact after you reboot your PC.

DCOM Setup

1. Go to Start → Run and type in “dcomcnfg” (without quotes) and hit enter.
2. When the Component Services window comes up, expand **Component Services** → **Computers** and then right-click on **My Computer** and select **Properties**.
3. Go to the **COM Security** tab and edit both the default **Access Permissions** and **Launch and Activation Permissions**.



Figure 3 - COM Security

4. Make sure that the following users are included in the Edit Limits and Default Permissions for both Access Permissions and Launch and Activation Permissions:
- Administrators
 - Everyone
 - INTERACTIVE
 - NETWORK
 - SYSTEM
5. Once the above users are added, expand **My Computer** → **DCOM Config** in the tree control on the left-hand pane.
6. Find ICONICS AlarmWorX32 Server and right click on it to bring up its properties.
7. Select the security tab and make sure that it is using default for Launch and Activation Permissions and Access Permissions. The screen should look similar to Figure 4.
8. Repeat steps 6-7 for ICONICS AlarmWorX32 Multimedia Server.
9. The AlarmWorX32 Multimedia server should now be able to run as a service and send out emails.

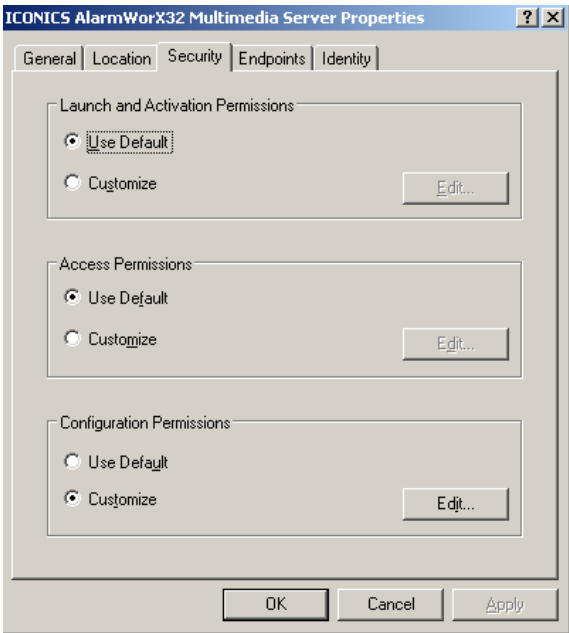


Figure 4 - Individual Application DCOM Settings