GENESIS32 – Running GENESIS32 under a Standard User Account

APPLICATIONS NOTE

April 2010

Description: This application note is intended for users/system administrators who want to run ICONICS GENESIS32 application under standard user account.
OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7
General Requirement: ICONICS GENESIS32 v9.x installation, Administrator's account for local PC.

Introduction

It is expected that customers would like to run the SCADA application under standard windows accounts, especially IT-Administrators who want to limit the user permissions to prevent the PC setup. One of the worst scenarios can be stopping the plant production by stopping a NT service unintentionally from the operator.

Preparing PC to run under Standard User

To prepare the GENESIS32 application to run under a Windows Standard user, you need to select or create a new account on the local PC after GENESIS32 is installed by the local Administrator. Follow these steps to prepare this Standard User account correctly:

1. Login with the Local Administrator account to the computer.
2. **Run Computer Management** by right-clicking the "My Computer" icon on the desktop and clicking "Manage".
3. Navigate to **System Tools → Local Users and Groups → Users** and **create new user** as shown in Figure 1.

Figure 1 - Create a New Standard User

4. Make sure the newly created Standard User is member of Users group only. To achieve this, navigate to **Groups** under the Local Users and Groups, double-click "Users Group" and add the account on the list if it is not already there.
5. Since you are logged in as the Administrator account, you also need to do some standard GENESIS32 post-installation steps to be sure that your PC is ready to run under a Standard Windows User. Here are the necessary actions, which must be completed in this order:
   a. **Run the Application Setup Utility** from **Start → Programs → ICONICS Tools** and use a user account (e.g. ICONICS_USER) that is a member of the Administrators Group on the local machine.
   b. **Make sure that your DCOM is setup properly**. For more details how to setup the DCOM, review the application notes called *GENESIS32 - DCOM on Windows XP and Server 2003 in a Workgroup.pdf* or *GENESIS32 - DCOM on Windows XP and Server 2003 in a Domain.pdf*. Do not forget to **Add Users Group to DCOM** as it is shown in Figure 2.
   c. Reboot the PC.

Figure 2 - Adding Users Group to DCOM

6. After you reboot, you have to login as the Local Administrator account and double check if you get the ICONICS license (e.g. run License Monitor from ICONICS Tools). Also, make sure that the rest of the ICONICS services are running correctly. If not, start the appropriate services. Note that you can set services as Automatic in GenTray.

   NOTE: Please notice that all ICONICS NT services need to be running under the specific user (usually ICONICS_USER) who is member of Administrators group.

7. Now you are ready to login as a Standard User and run GENESIS32 applications with standard user restrictions. Make user that you have a valid license (e.g. run License Monitor from ICONICS Tools) and test the rest of the modules like GraphWorX32 application in runtime. Note that configuration changes are also supported under the standard user account.