

Automated Workstation Setup

Pearl Echo supports automating the Pearl Echo Workstation installation using the Windows Installer Service. When you assign an application to a computer, the application installation is performed when it is safe to do so. Typically this happens when the computer starts so that there are no competing processes on the computer. The following describes the steps necessary to install the Pearl Echo Workstation software using Microsoft's Group Policy Objects. For additional details on using GPO to deploy software applications, *including trouble-shooting tips*, please refer to Microsoft's server and online documentation.

Preparation

Remote Software Installation is performed in conjunction with your settings in the configuration file, *servset.ini*, and the Windows Installer package supplied with Pearl Echo.

☑ For additional details on using GPO to deploy software applications, including trouble-shooting tips, please refer to Microsoft's server and online documentation.

The first step is creating a network share, called a software distribution point, which contains the packages and the program and configuration files. Next you need to make sure that Domain Computers can read from the software distribution point and write to the target of the installation. Finally, you need to modify the configuration file, *servset.ini*, with settings that you entered during the Pearl Echo Server software installation.

1. Create a shared directory that contains the Pearl Echo Workstation installation files. Share the directory as *echows*
2. Assign the 'Read' NTFS permission for 'Domain Computers' on *echows* (Winlogon is the privileged agent that applies software installation policy when each computer starts. Winlogon requires read permissions to the source files to complete the installation).
3. Edit the file *servset.ini* in the new directory and specify the server IP and Port that you entered during the Pearl Echo Server Software installation. In addition you will need to specify your Tamper Security configuration preference – low, medium or high. If you have users that will roam outside of your private network, you can optionally enter the public address (FWIP) of your Pearl Echo server.

Example:

[Echo 8.0 settings Note: Do not use this file for installing on Exchange Server]

IP=192.168.0.1

FWIP=echoservername.mycompany.com

Port=58000

Configuration=medium

Setting Group Policy

Software Installation works in conjunction with Group Policy and Active Directory. Installation is done on computer objects, not user objects. You can install to all computers in your domain or to specified computers in a given organizational unit. In order to ensure that the Pearl Echo Workstation software does not get installed on your Domain Controller(s), the Group Policy Object that is created should have the appropriate security filters set.

1. Open Active Directory Users and Computers from Administrative Tools.
2. In the console tree, right-click the domain or organizational unit that contains the computers for which you want to set Group Policy.
3. Click **Properties**, and then click the **Group Policy** tab.
4. Click **New** to create a new Group Policy object and rename the object *echows_gpo*.
5. Click **Properties** of *echows_gpo*.
6. Click **Security**
7. Remove **'Authenticated Users'** from the ACL
8. Add **'Domain Computers'** to the ACL and assign **'Read'** and **'Apply Group Policy'** permissions.
9. Verify that **'Domain Controllers'** is not part of the ACL.
10. Click OK

To set the Software Installation Group Policy in the *echows* Group Policy object:

1. Click **Edit** *echows_gpo*.
2. Double-click Computer Configuration.
3. Double-click Software Settings.
4. In the console tree, right-click Software Installation and select **New Package**.
5. Enter the UNC name of the Pearl Echo Workstation installer file (e.g. \\servername\echows\Echo 8.0 Workstation.msi)
6. Select Assigned.

If you prefer to mask the software title from appearing during installation on Domain Computers, you can edit the properties of the new Software Installation entry. The next time a workstation in the domain starts, it will automatically install the Pearl Echo Workstation software and configure the installation to access the Pearl Echo Server specified in *serverset.ini*.

Important Note: Because the Pearl Echo Workstation software is a secure installation, it cannot be removed with Group Policy Object. Removing the software can only be accomplished from the Workstation or automated with scripts provided by Pearl Software support.