

# Deploy Auto Shutdown Manager via Windows Group Policy

This tutorial will enable you to automatically deploy Auto Shutdown Manager to multiple computers using a Group Policy Object.

1.	Preparation .....	2
1.1	Sharing the install file .....	2
1.2	Preparing AD Editing.....	3
1.3	Add a new Organizational Unit .....	4
2.	Active Directory Preparation .....	5
3.	Creating the software package for Auto Shutdown Manager .....	6
4.	Adding Clients .....	14
5.	Distribution.....	17
6.	Uninstall of Auto Shutdown Manager on clients .....	17

## 1. Preparation

### 1.1 Sharing the install file

Please follow this instruction to automatically provision the Auto Shutdown Manager Server settings to all client PCs right during the installation.

In order to deploy Auto Shutdown Manager you need to use the AutoShutdownManager.msi contained in AutoShutdownManager.exe at <http://www.itpowersaving.com>

Please copy Setup\_AutoShutdownManager.msi to a directory of your choice (such as \\%LOGONSERVENET%\netshare\install\$\asm), which must have at least read-access rights for all clients. This will be your installation source from which each client should be installed by calling the Auto Shutdown Manager.msi file.

Using the \$ symbol in the share name will hide the share from view and users cannot install it manually.

In this folder, create a new file called “**server.ini**”

It may just contain 2 simple text lines - without any comments or additions  
b. As a first line add the server IP Address or its corresponding DNS name  
c. Add the TCP-Port number to the second line

Now the **server.ini** file should look like (these values are just examples):

```
192.168.1.1  
8088
```

Now you can install the clients in the common way you use for other \*.msi deployments from this defined shared folder. During the installation, the clients will look for the *server.ini* file in the source folder and use its values to configure the server data automatically. Once the installation is done, the clients will initiate the connection to the server to retrieve their first configuration and settings data. Please be aware that this process can take up to 150 seconds!

From now on, all settings and configuration changes as well as installation of newer updates can be done remotely from the server

#### **Important to know for a successful configuration**

If you deploy the Software via the Group Policy or another deployment tool please make sure that the users (or user groups) have read access to the source folder!

If you are deploying via a windows service (without logged-in users), please make sure that the target computers (domain computers) have read rights to the source folder.

Otherwise the provisioning will not work correctly.

## Background

Right after the installation completes, Auto Shutdown Manager will be started within the context of the user who initiated the installation. Within this user context, Auto Shutdown Manager then tries to access the source folder (where the MSI file came from) and tries to read the server.ini file.

## Please note

It is recommended that all drivers as well as the operating system are up-to-date. Independent from Auto Shutdown Manager, incorrect or outdated drivers are the most common cause for problems. In the case of Standby and Hibernation Mode, it is often caused by outdated screen drivers. When rebooting the computer, it could take a while before you can launch the tool. Before it is ready to being launched you receive the notification „... Starting“. This is normal and desired as Auto Shutdown Manager deploys its resources in an economic way.

## 1.2 Preparing AD Editing

In order to edit the Group policy Objects, the Group Policy Management Console makes it easier to handle. You can download Windows 2003 Versions here:

Windows XP, Windows 2003 Server

<http://www.microsoft.com/downloads/details.aspx?FamilyId=0A6D4C24-8CBD-4B35-9272-DD3CBFC81887&displaylang=en>

If you would like to edit the Group Policy on a client machine please install the Admin Paks:

For Windows 2003 x64 SP2 editions:

<http://www.microsoft.com/downloads/details.aspx?FamilyId=514BD06E-F3BC-4054-8429-C49F51E2190B>

For Windows 2003 x86 SP2 editions:

<http://www.microsoft.com/downloads/details.aspx?FamilyId=86B71A4F-4122-44AF-BE79-3F101E533D95>

The SP1 version of the Windows Server 2003 Adminpak is still available. To download the SP1 Windows Server 2003 Adminpak, visit the following Microsoft Web site:

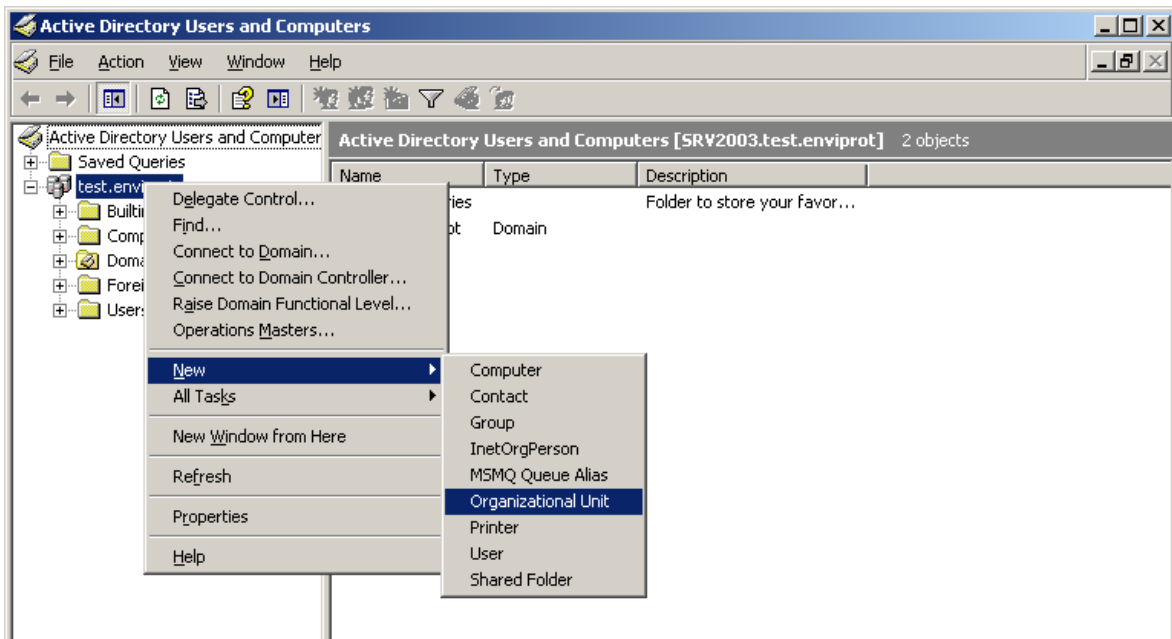
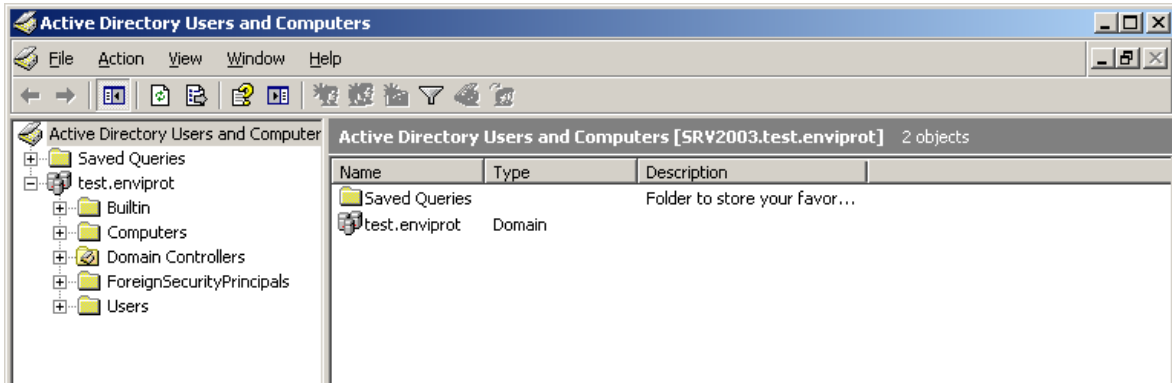
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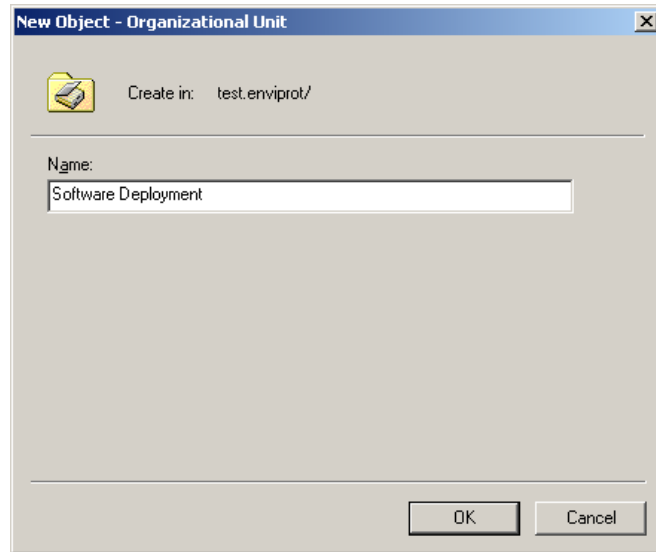
The original release (RTM) version of the Windows Server 2003 Adminpak is still available. To Download the RTM Windows Server 2003 Adminpak, visit the following Microsoft Web site:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=c16ae515-c8f4-47ef-a1e4-a8dcbacff8e3>

### 1.3 Add a new Organizational Unit

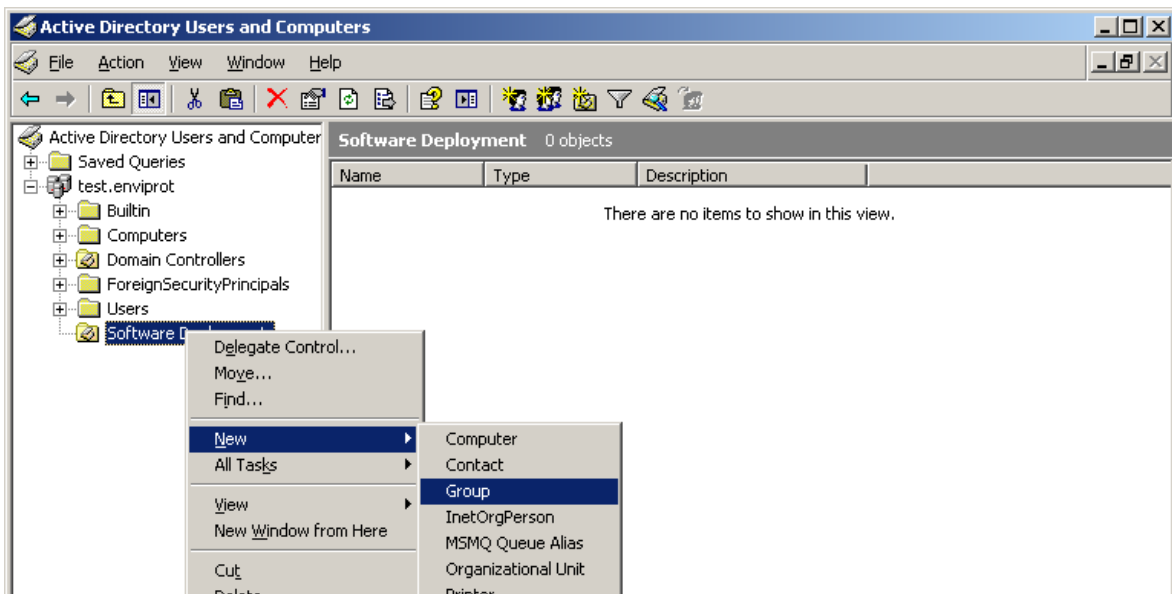
In “Active Directors Users and Computers” add a new Organizational Unit such as “Software Deployment”.

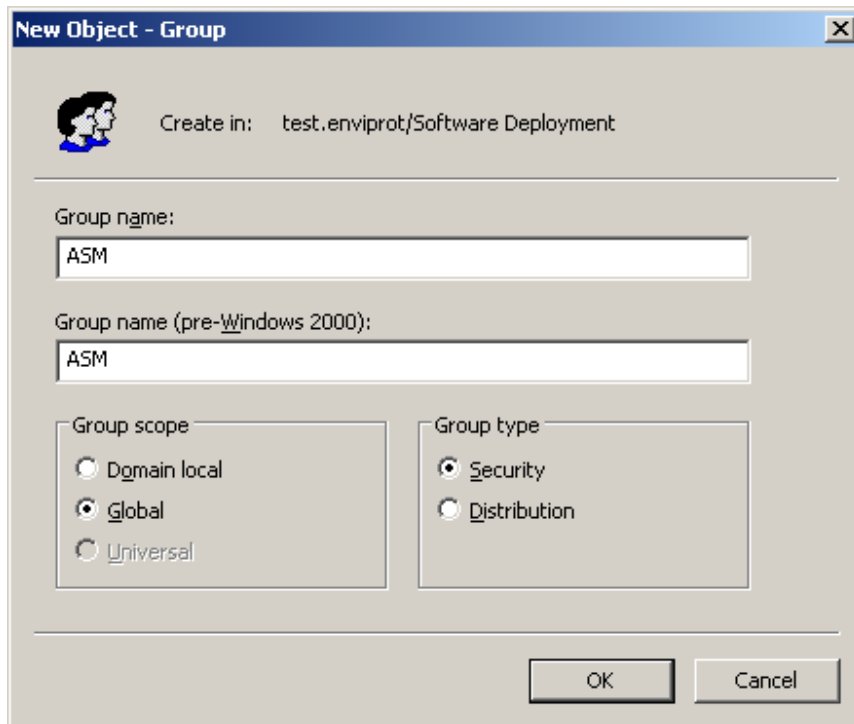




## 2. Active Directory Preparation

Within this Object right click, select „new“ and „Group“ to create a new Group Object, name it after the software to be distributed for example “ASM” for Auto Shutdown Manager.



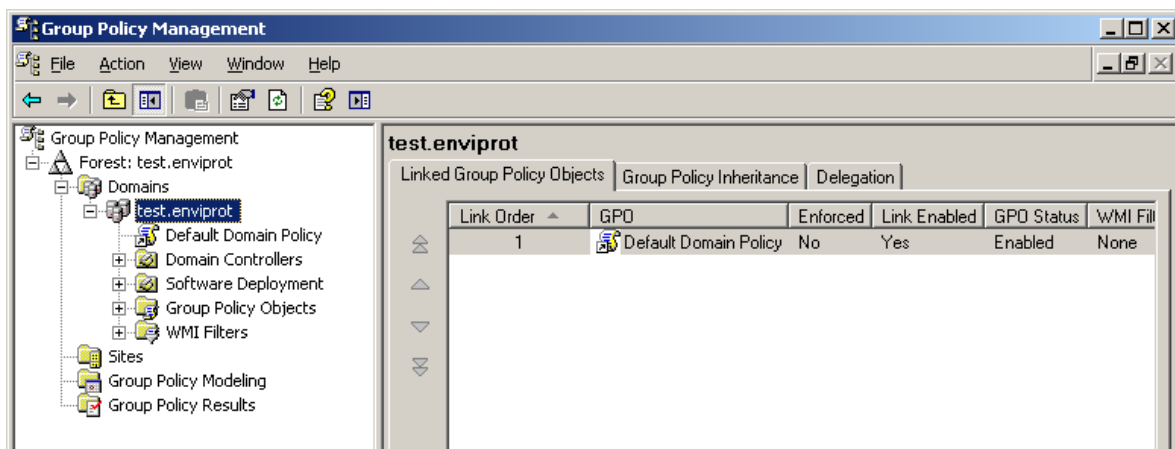


The Group should be created with the following parameters:

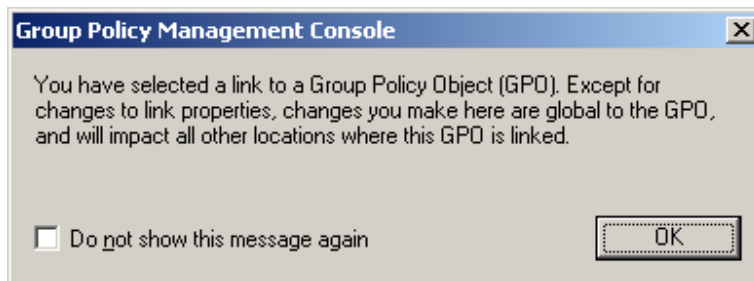
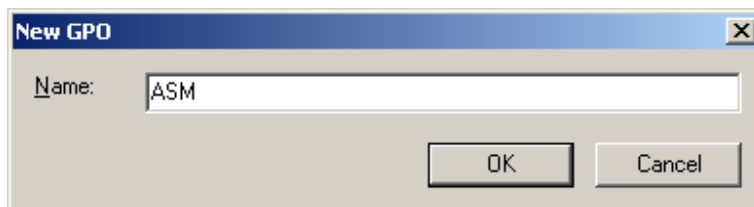
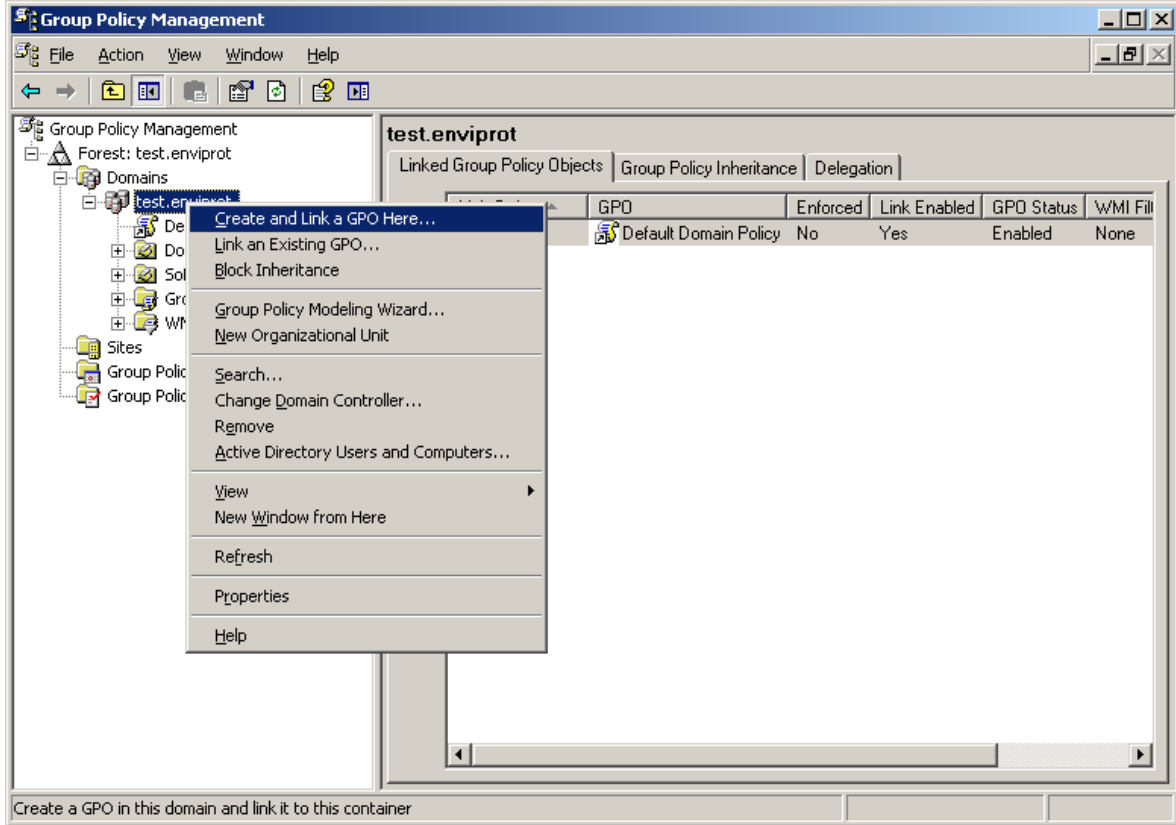
- Groupname: "ASM"
- Group interval: Global
- Group Type: Security

### 3. Creating the software package for Auto Shutdown Manager

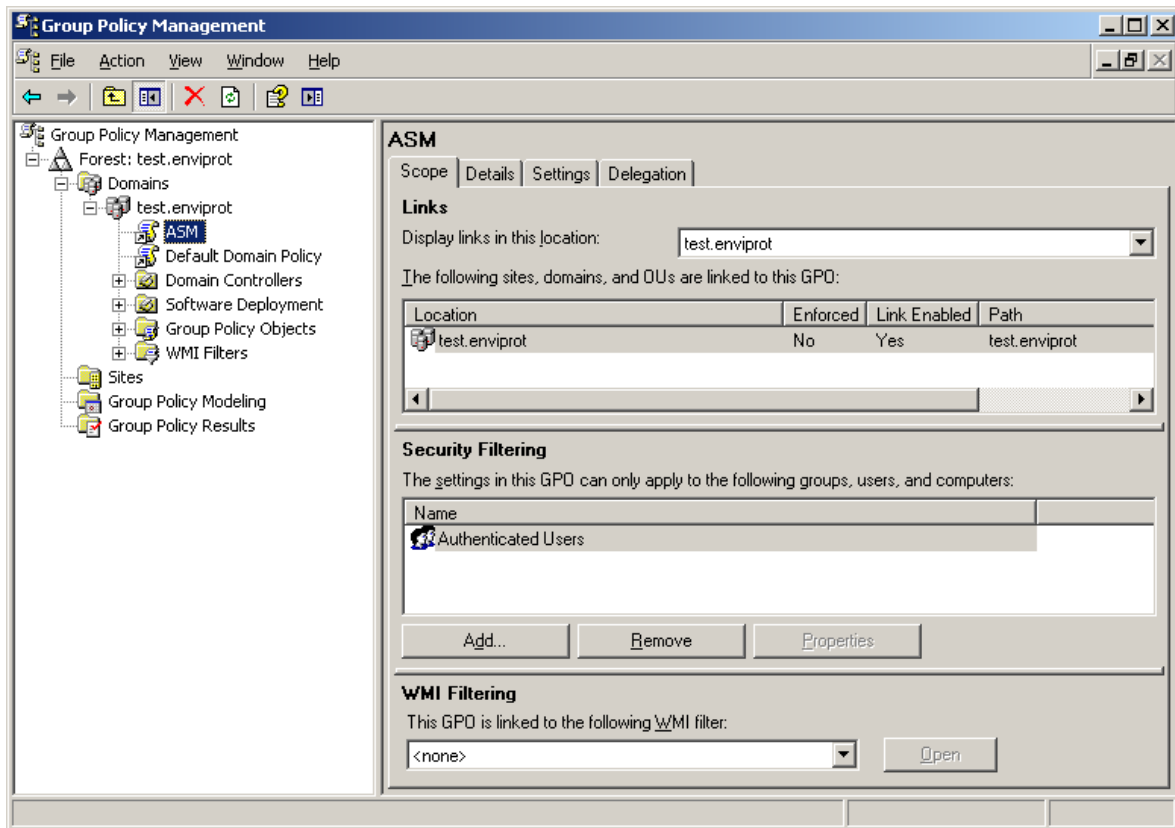
After starting the Group Policy Management Editor (C:\WINDOWS\system32\gpmc.msc) you should see the following screen:



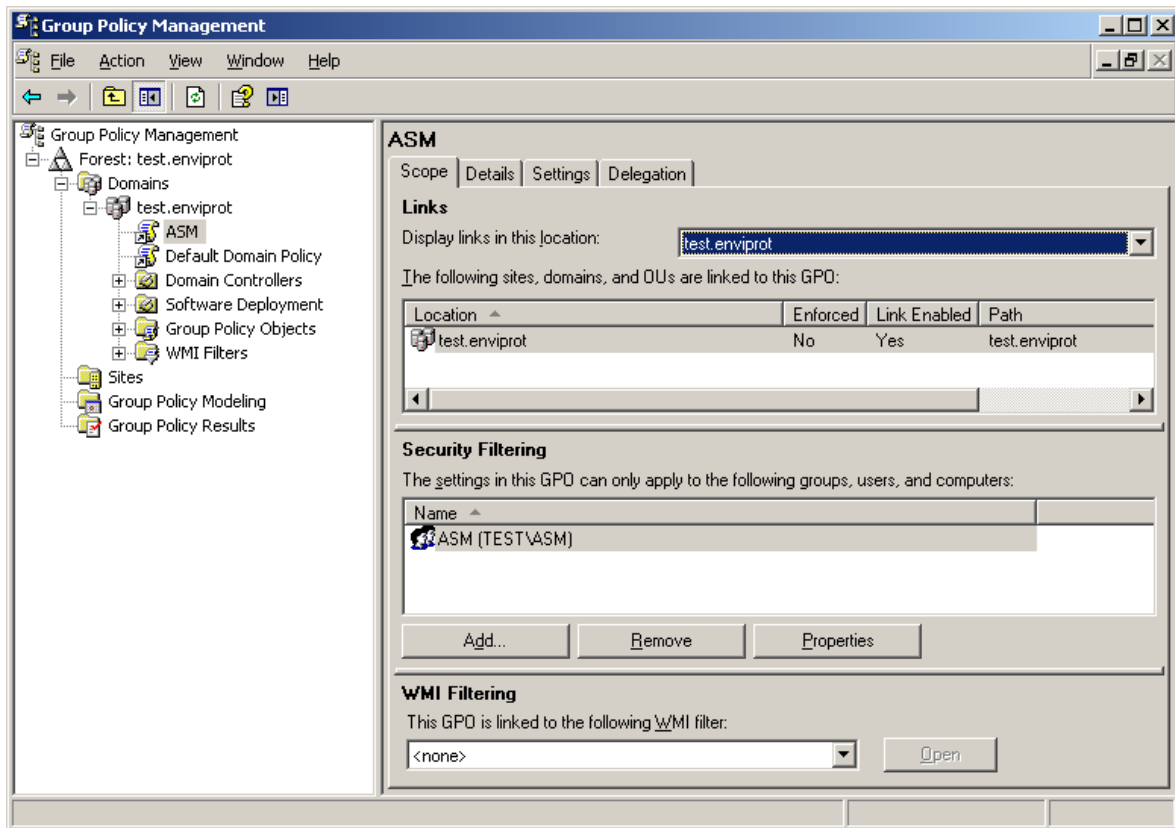
Right click on the Domain Name, select “Create and link a GPO here” and name it “ASM”.



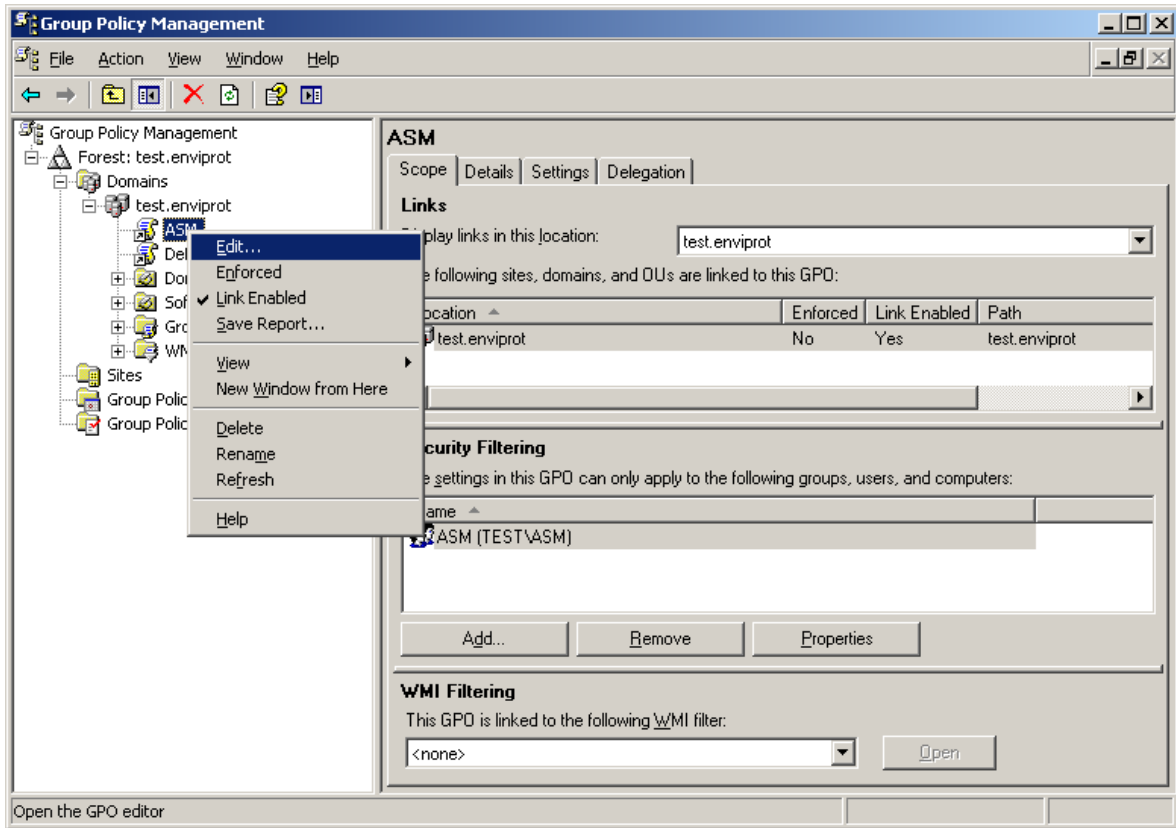
Now you should see the new GP Object on your screen.



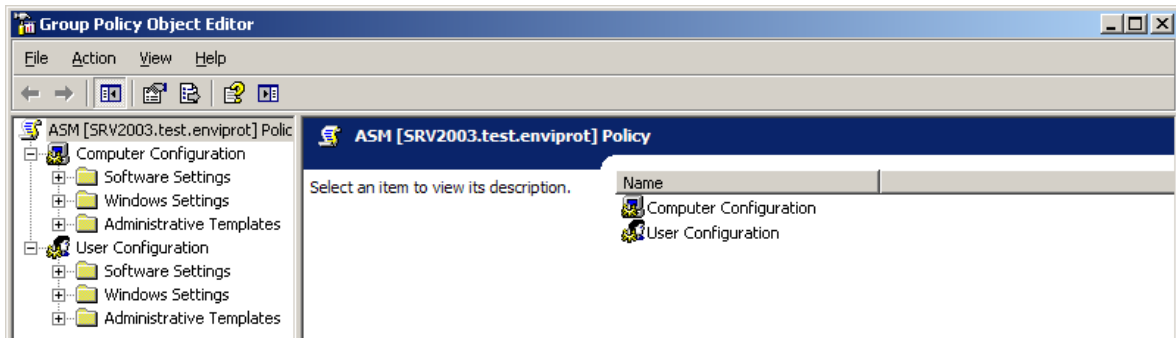
In Security filter delete “authenticated users” and add the newly created group “ASM”.

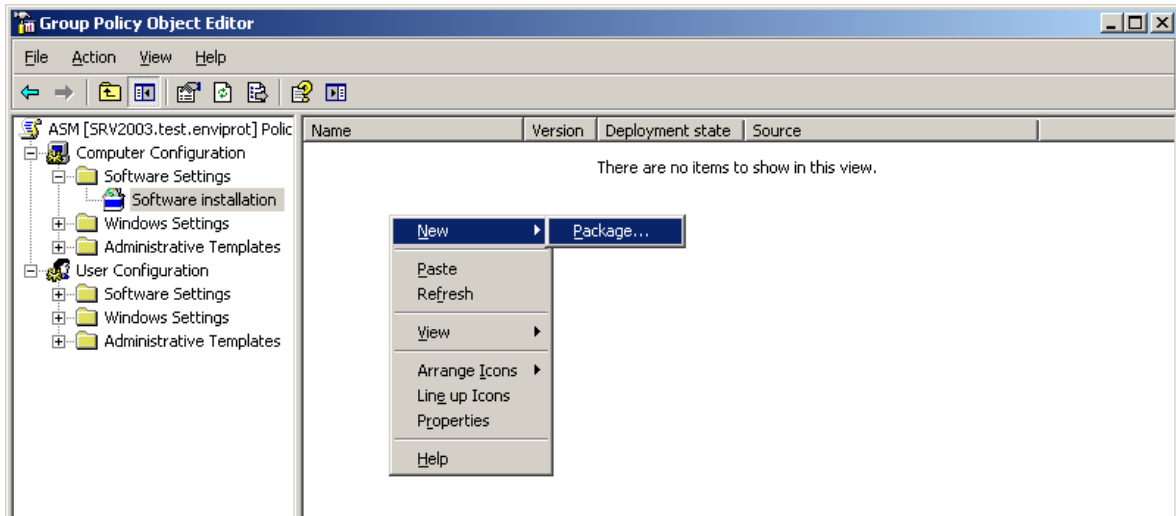


Now right click on the GP Object "ASM" and select edit.

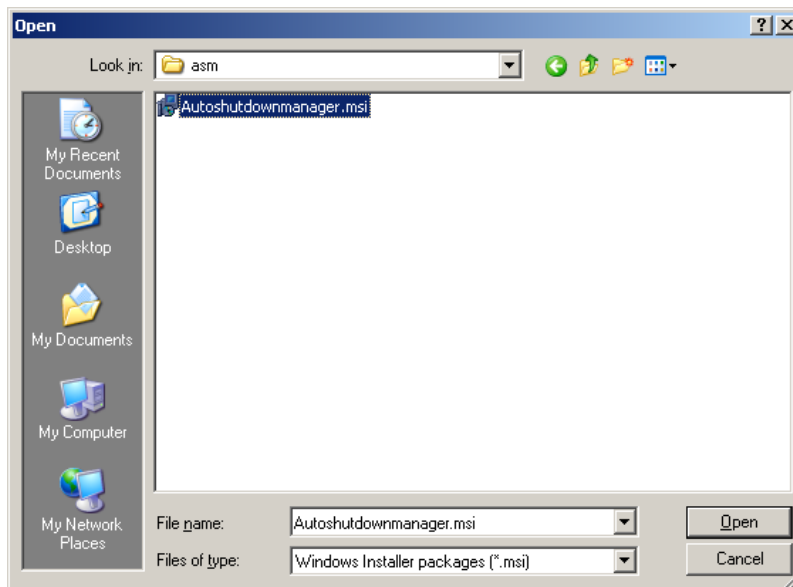


Select "Package" in computer configuration / software settings / software installation.

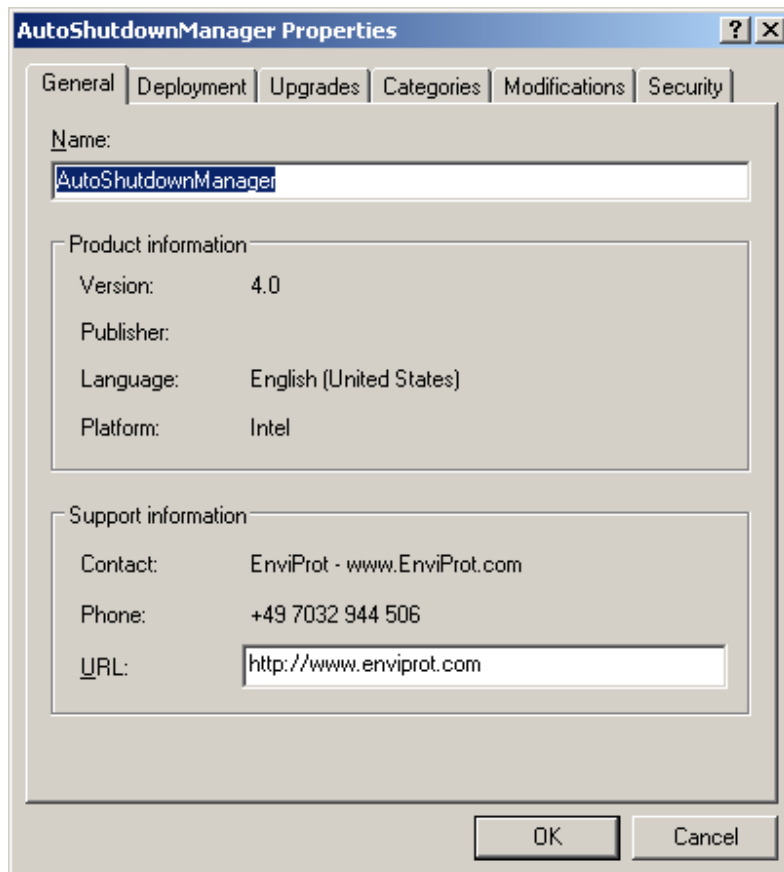
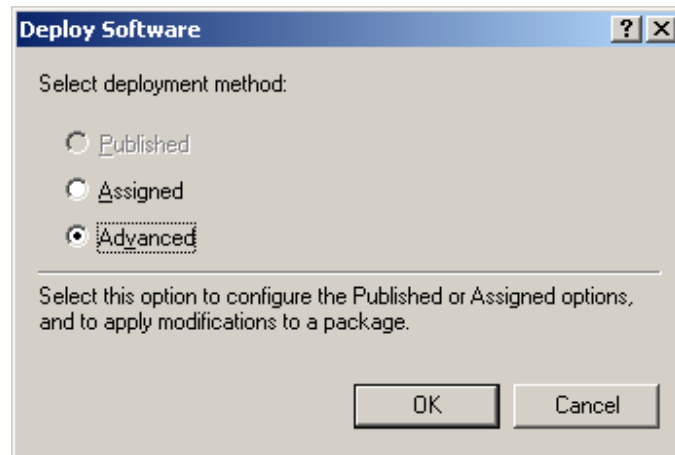




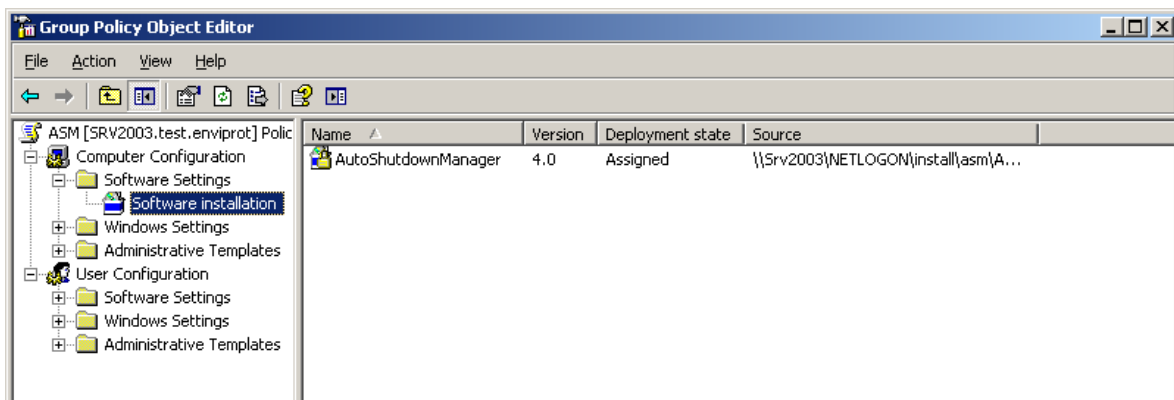
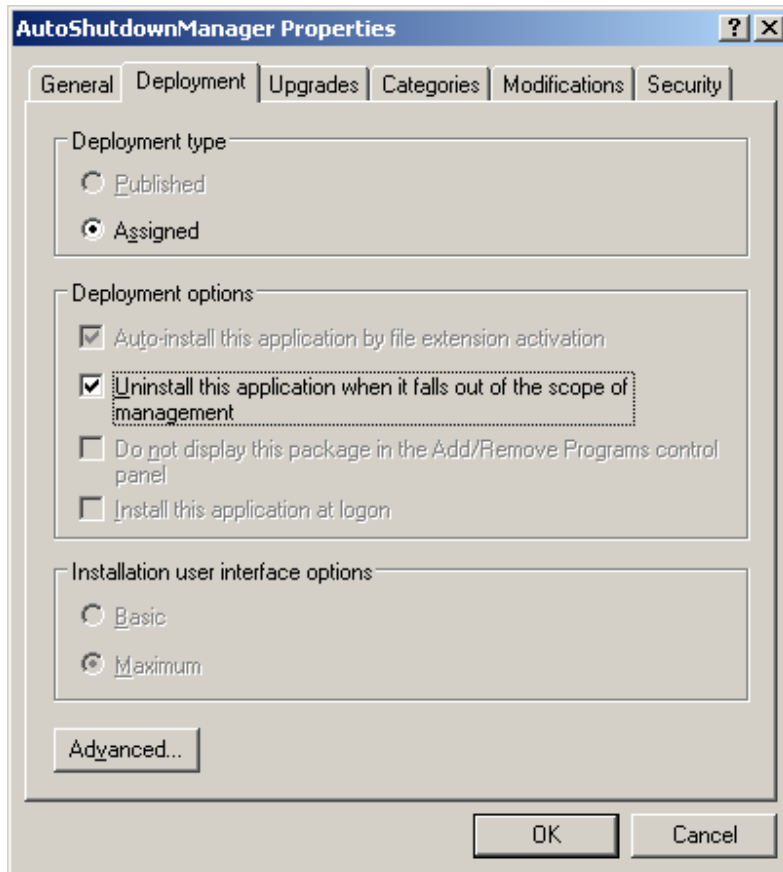
Select Setup\_AutoShutdownManager.msi in the shared directory (example: \\%logonserver%\netshare\install\$\asm).



Select “advanced” to edit some more settings:



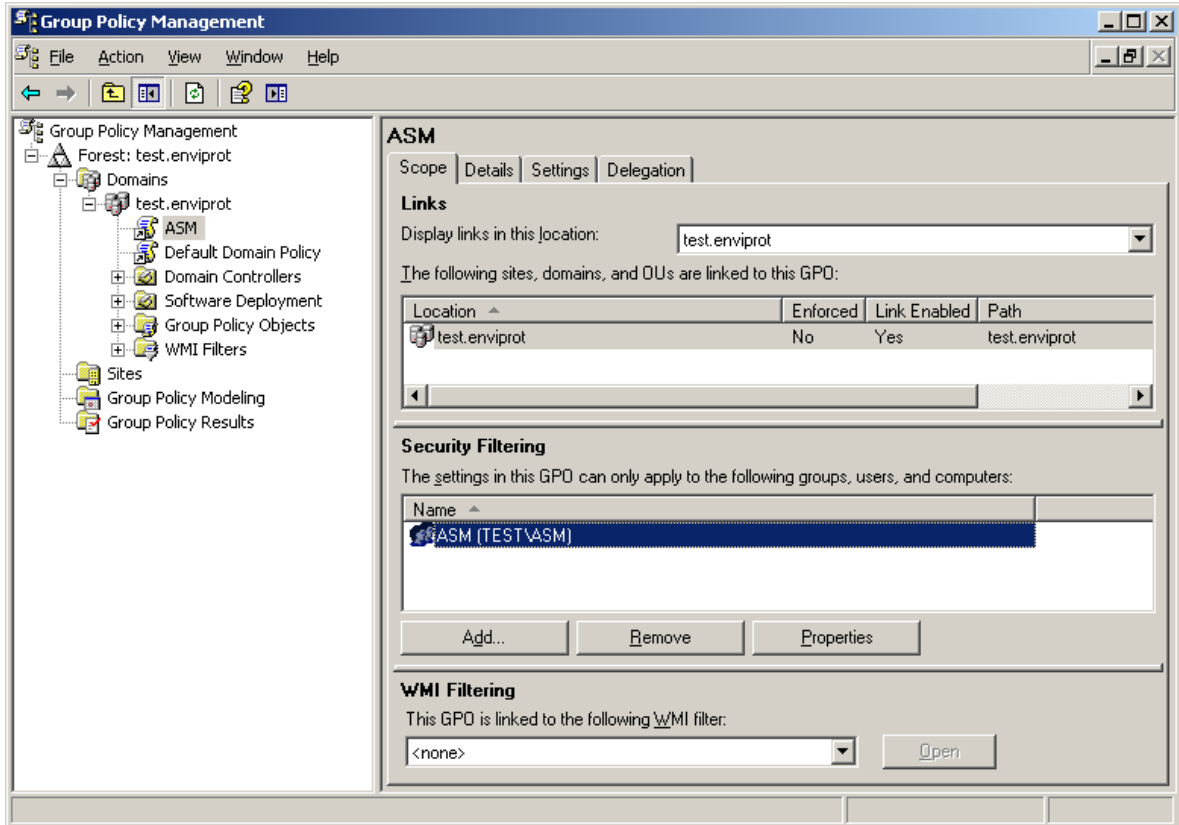
Go to Deployment and put a check mark into “Uninstall this applications when it falls out of scope of management”. All other settings can remain untouched.



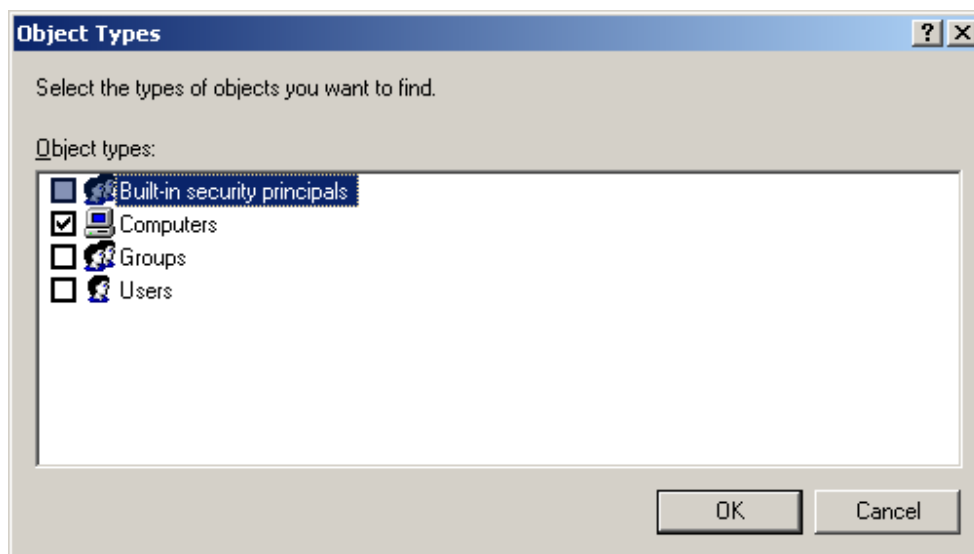
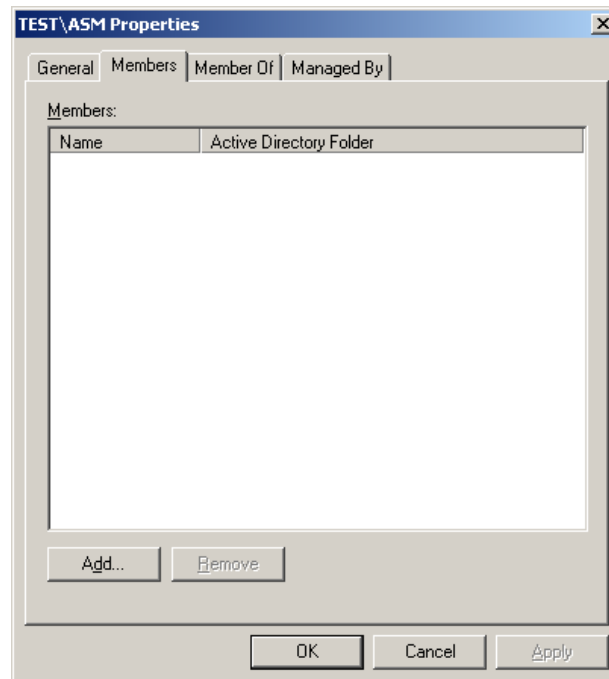
Now the package is ready for deployment!

## 4. Adding Clients

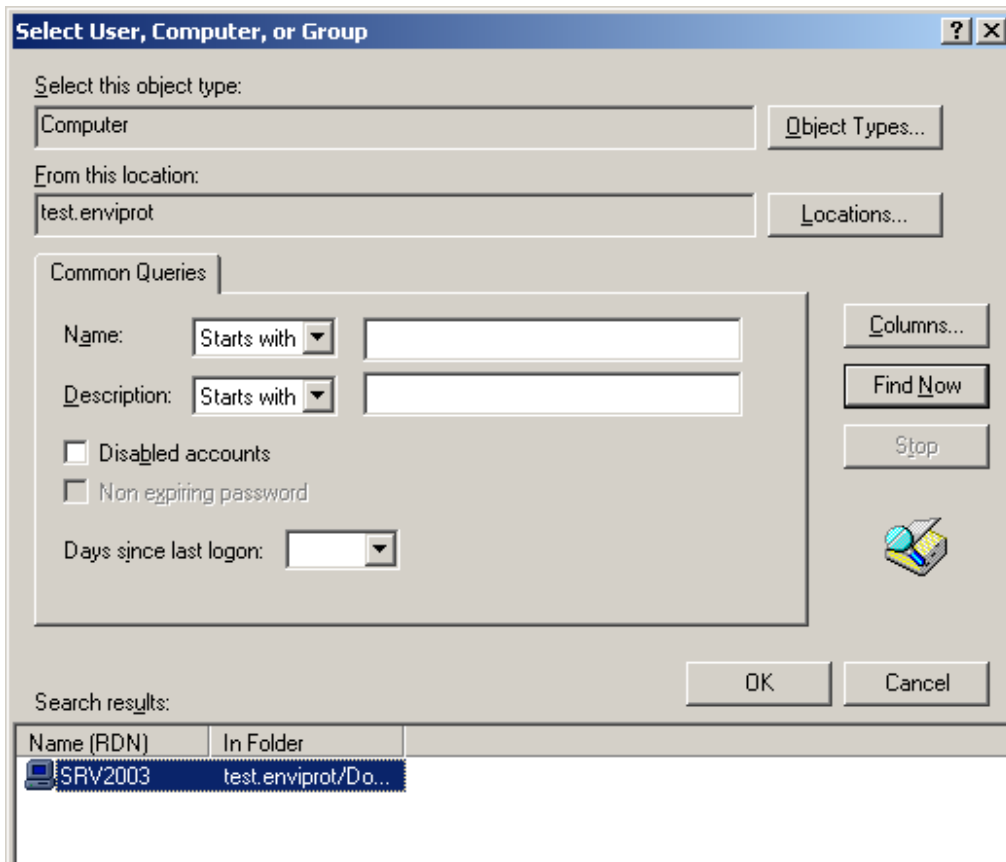
In order to add clients to the group, select the security group and click “add”.



Go to “Members” and filter your domain computers.

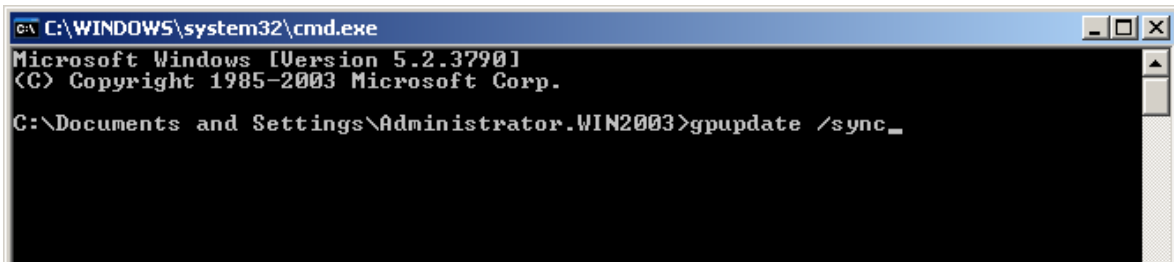


Select the computers to be added and click “ok”.



## 5. Distribution

The clients will automatically install Auto Shutdown Manager after 1-2 boot cycles. If you would like to speed things up run “gpupdate /sync” in a command windows on each client.

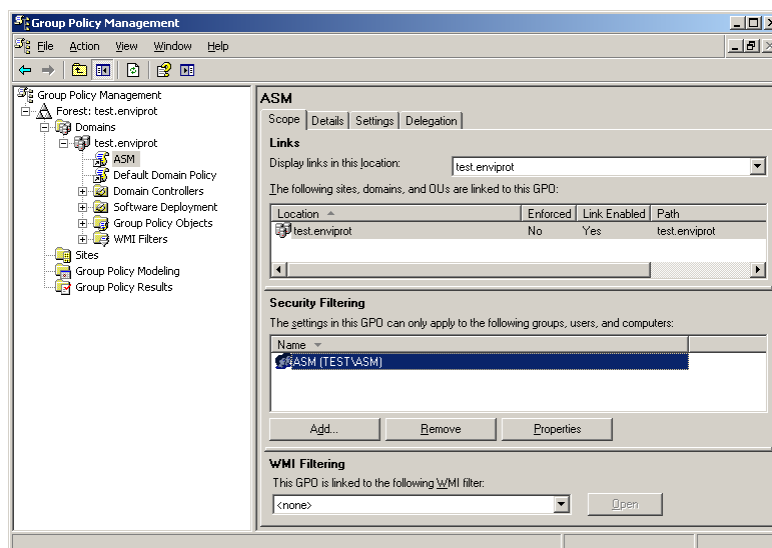


During the next boot you will see a small window indicating the installation of Auto Shutdown Manager.

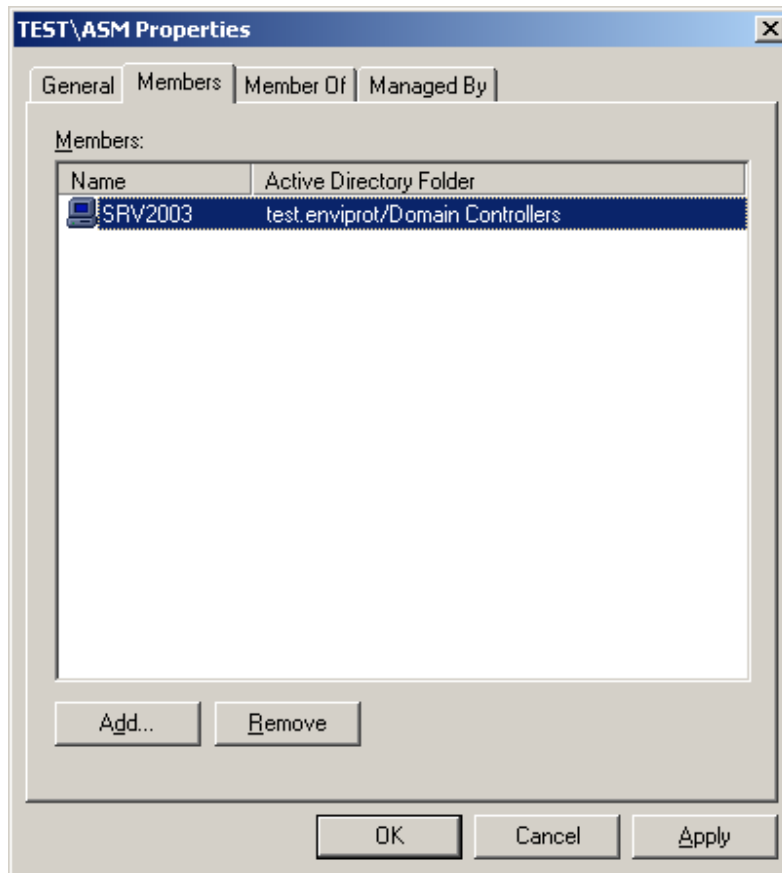
## 6. Uninstall of Auto Shutdown Manager on clients

In order to remove Auto Shutdown Manager from a client computer just remove the computer from the ASM group.

Open the Group Policy Management Editor and go to security group.



Double click “ASM”, go to “Members” select the computers to uninstall Auto Shutdown Manager and click “remove”.



After 1-2 boot cycles of the client computer Auto Shutdown Manager should be automatically uninstalled, indicated by a window during the boot process.

If you have any questions or suggestions, please feel free to contact us at <http://www.pcpowersaving.com/index-4.shtml>