



Quick Installation Guide
Server and mass deployment to Clients
Auto Shutdown Manager
Release 5

Install on the Server First

First, download the 45 day trial release from

<https://www.enviprot.com/en/downloads>

This is a self-extracting archive which includes the installation file called
AutoShutdownManager5.msi



Install on the Server First



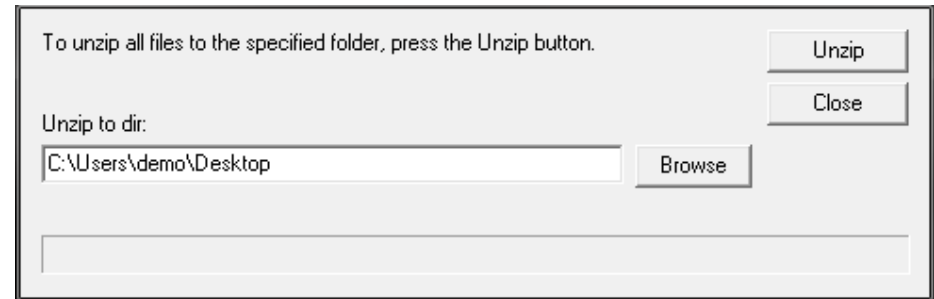
Copy the file `AutoShutdownManager.exe` to your server - if its not already there - and double click on it to start the installation process



Install on the Server First

Enter the path where you'd like to unzip and save the AutoShutdownManager5.msi file.

This file will be needed later for the client installation.



The installation process starts immediately.

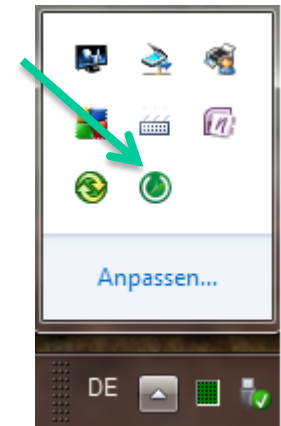
Follow the next few installer screens until the installation gets completed. Please make sure that no anti-virus or other tools are blocking the setup process.



Install on the Server First

Please wait for the system tray icon to initialize. You will receive a notification in the bottom-right corner of your screen. Note that the initial setup may take a few seconds.

Once the tray icon is active, double-click on it to launch the Auto Shutdown Manager application interface.



Install on the Server First

Bypass the password prompt by selecting 'Continue'.

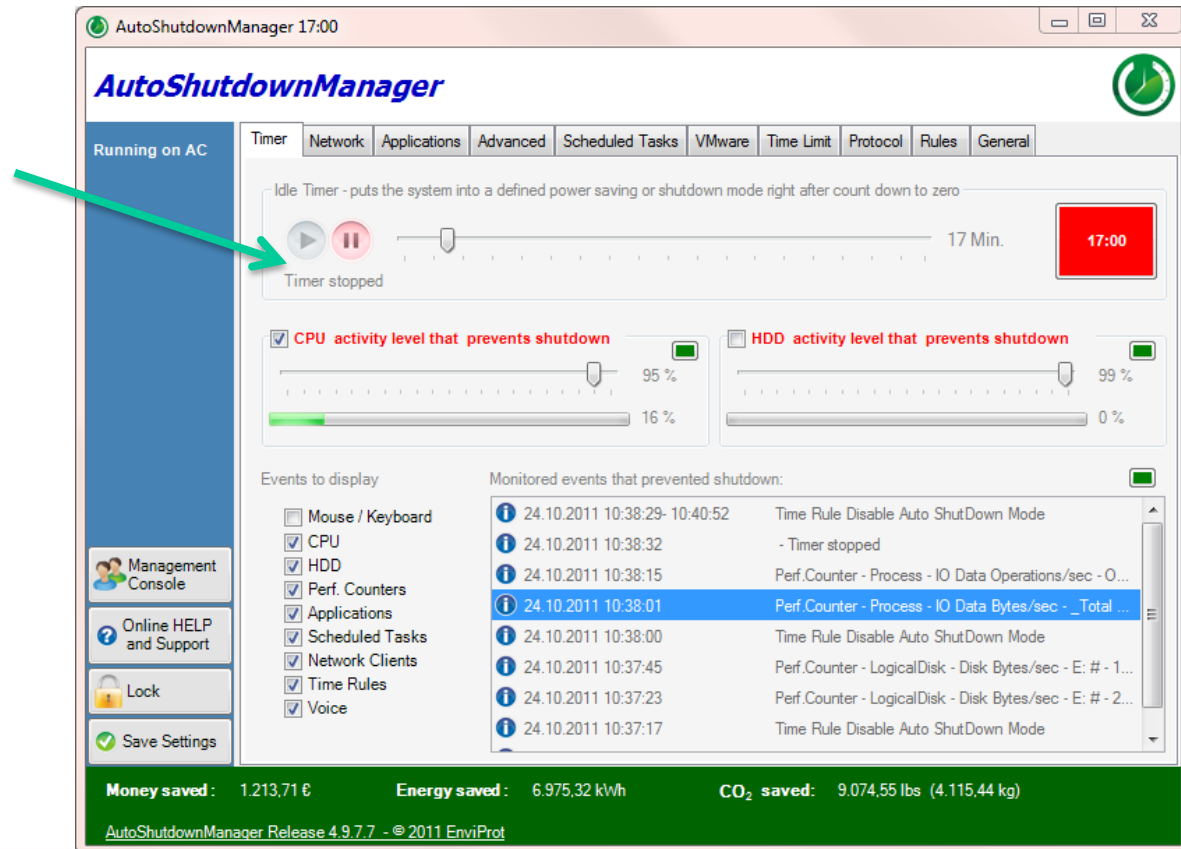
Please enter the correct password or click on Continue w/o

Password:



Install on the Server First

Please ensure that the Idle Timer is currently deactivated.
If it is running, click to stop it.



AutoShutdownManager 17:00

AutoShutdownManager

Running on AC

Timer | Network | Applications | Advanced | Scheduled Tasks | VMware | Time Limit | Protocol | Rules | General

Idle Timer - puts the system into a defined power saving or shutdown mode right after count down to zero

Timer stopped

17 Min. 17:00

CPU activity level that prevents shutdown 95% 16%

HDD activity level that prevents shutdown 99% 0%

Events to display

- Mouse / Keyboard
- CPU
- HDD
- Perf. Counters
- Applications
- Scheduled Tasks
- Network Clients
- Time Rules
- Voice

Monitored events that prevented shutdown:

| | |
|-------------------------------|---|
| 24.10.2011 10:38:29- 10:40:52 | Time Rule Disable Auto ShutDown Mode |
| 24.10.2011 10:38:32 | - Timer stopped |
| 24.10.2011 10:38:15 | Perf.Counter - Process - IO Data Operations/sec - O... |
| 24.10.2011 10:38:01 | Perf.Counter - Process - IO Data Bytes/sec - _Total ... |
| 24.10.2011 10:38:00 | Time Rule Disable Auto ShutDown Mode |
| 24.10.2011 10:37:45 | Perf.Counter - LogicalDisk - Disk Bytes/sec - E: # - 1... |
| 24.10.2011 10:37:23 | Perf.Counter - LogicalDisk - Disk Bytes/sec - E: # - 2... |
| 24.10.2011 10:37:17 | Time Rule Disable Auto ShutDown Mode |

Management Console

Online HELP and Support

Lock

Save Settings

Money saved : 1.213,71 € Energy saved : 6.975,32 kWh CO₂ saved: 9.074,55 lbs (4.115,44 kg)

AutoShutdownManager Release 4.9.7.7 - © 2011 EnviProt

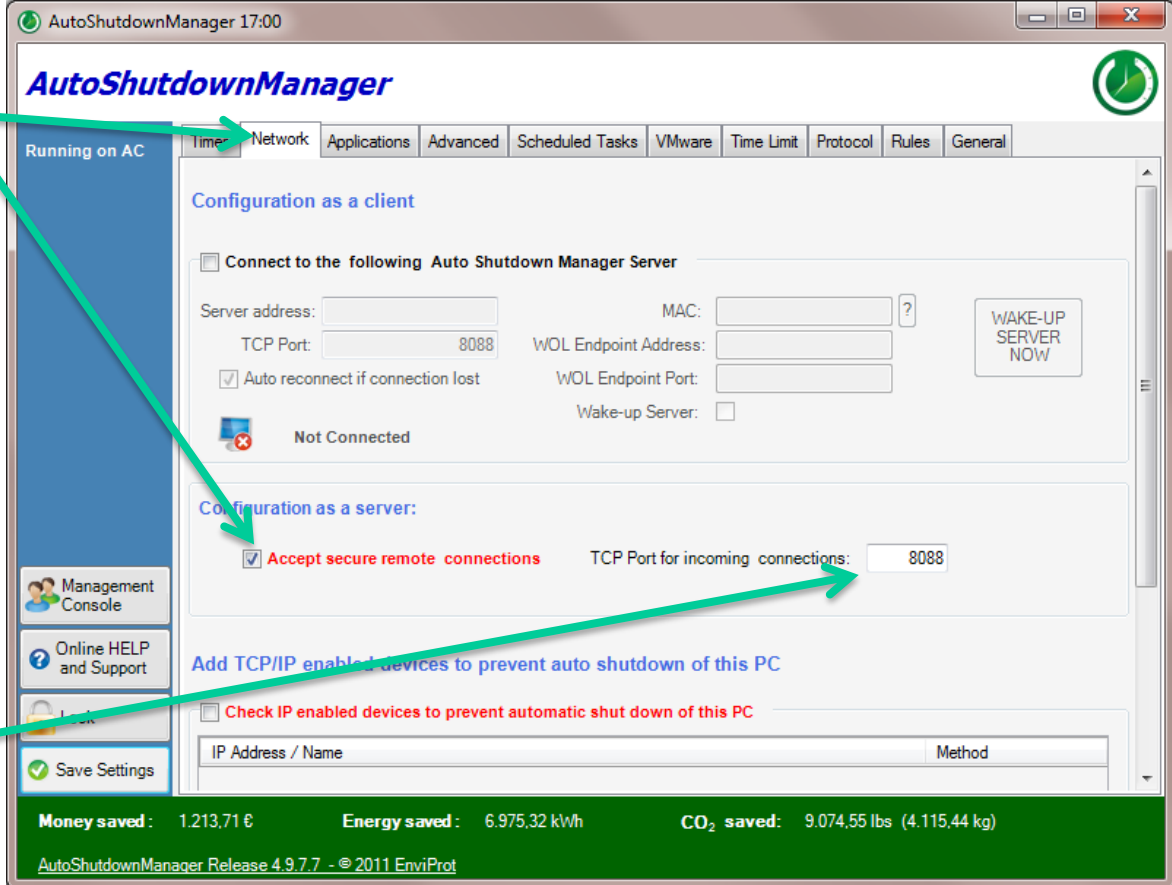


Install on the Server First

Ensure that the server mode is activated.

Additionally, verify that the incoming TCP Port, typically set to 8088 by default, is not obstructed by the firewall or any antivirus software. This step is crucial to maintain a connection between Auto Shutdown Manager Clients and the server.

Should there be issues with client connections, please revisit this setting for troubleshooting.



The screenshot displays the AutoShutdownManager software interface. The window title is "AutoShutdownManager 17:00". The main title is "AutoShutdownManager". The interface is divided into several sections:

- Running on AC:** A blue vertical bar on the left side.
- Configuration as a client:** This section includes a checkbox for "Connect to the following Auto Shutdown Manager Server". Below it are fields for "Server address:", "TCP Port:" (set to 8088), "MAC:", "WOL Endpoint Address:", "WOL Endpoint Port:", and "Wake-up Server:". There is a "WAKE-UP SERVER NOW" button and a "Not Connected" status indicator.
- Configuration as a server:** This section includes a checked checkbox for "Accept secure remote connections" and a field for "TCP Port for incoming connections:" (set to 8088).
- Add TCP/IP enabled devices to prevent auto shutdown of this PC:** This section includes a checkbox for "Check IP enabled devices to prevent automatic shut down of this PC" and a table with columns for "IP Address / Name" and "Method".

At the bottom of the window, there is a green bar with the following statistics:

- Money saved : 1.213,71 €
- Energy saved : 6.975,32 kWh
- CO₂ saved: 9.074,55 lbs (4.115,44 kg)

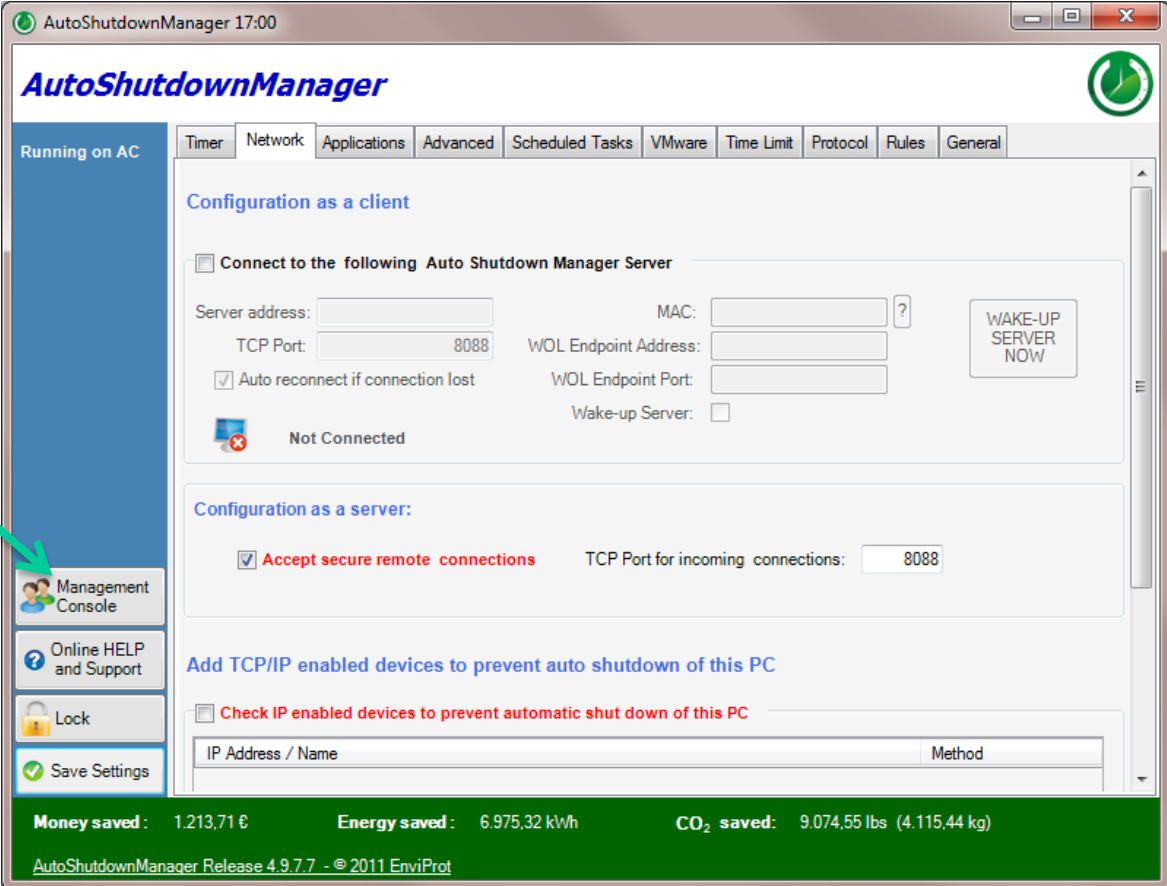
The footer text reads: "AutoShutdownManager Release 4.9.7.7 - © 2011 EnviProt".

Green arrows point from the text on the left to the "Accept secure remote connections" checkbox and the "TCP Port for incoming connections:" field in the screenshot.



Install on the Server First

Open the
Management Console



AutoShutdownManager 17:00

AutoShutdownManager

Running on AC

Timer Network Applications Advanced Scheduled Tasks VMware Time Limit Protocol Rules General


Configuration as a client

Connect to the following Auto Shutdown Manager Server

Server address: MAC: ?

TCP Port: WOL Endpoint Address:

Auto reconnect if connection lost WOL Endpoint Port:

 Not Connected Wake-up Server:

WAKE-UP SERVER NOW

Configuration as a server:

Accept secure remote connections TCP Port for incoming connections:

Add TCP/IP enabled devices to prevent auto shutdown of this PC

Check IP enabled devices to prevent automatic shut down of this PC

| IP Address / Name | Method |
|-------------------|--------|
|-------------------|--------|

Money saved: 1.213,71 € **Energy saved:** 6.975,32 kWh **CO₂ saved:** 9.074,55 lbs (4.115,44 kg)

AutoShutdownManager Release 4.9.7.7 - © 2011 EnviProt



Setting states

You have the option to grant select experienced users direct access to the ASDM Client, enabling them to configure their own settings. Through this approach, you can delineate which settings users are permitted to adjust and which ones will remain mandated by the server.

Certain settings may exhibit three distinct states, allowing for nuanced control and configuration.



Enable Idle Shutdown Timer



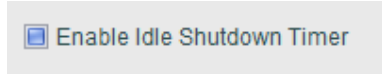
Enforced - Enabled



Enable Idle Shutdown Timer



Enforced - Disabled



Enable Idle Shutdown Timer



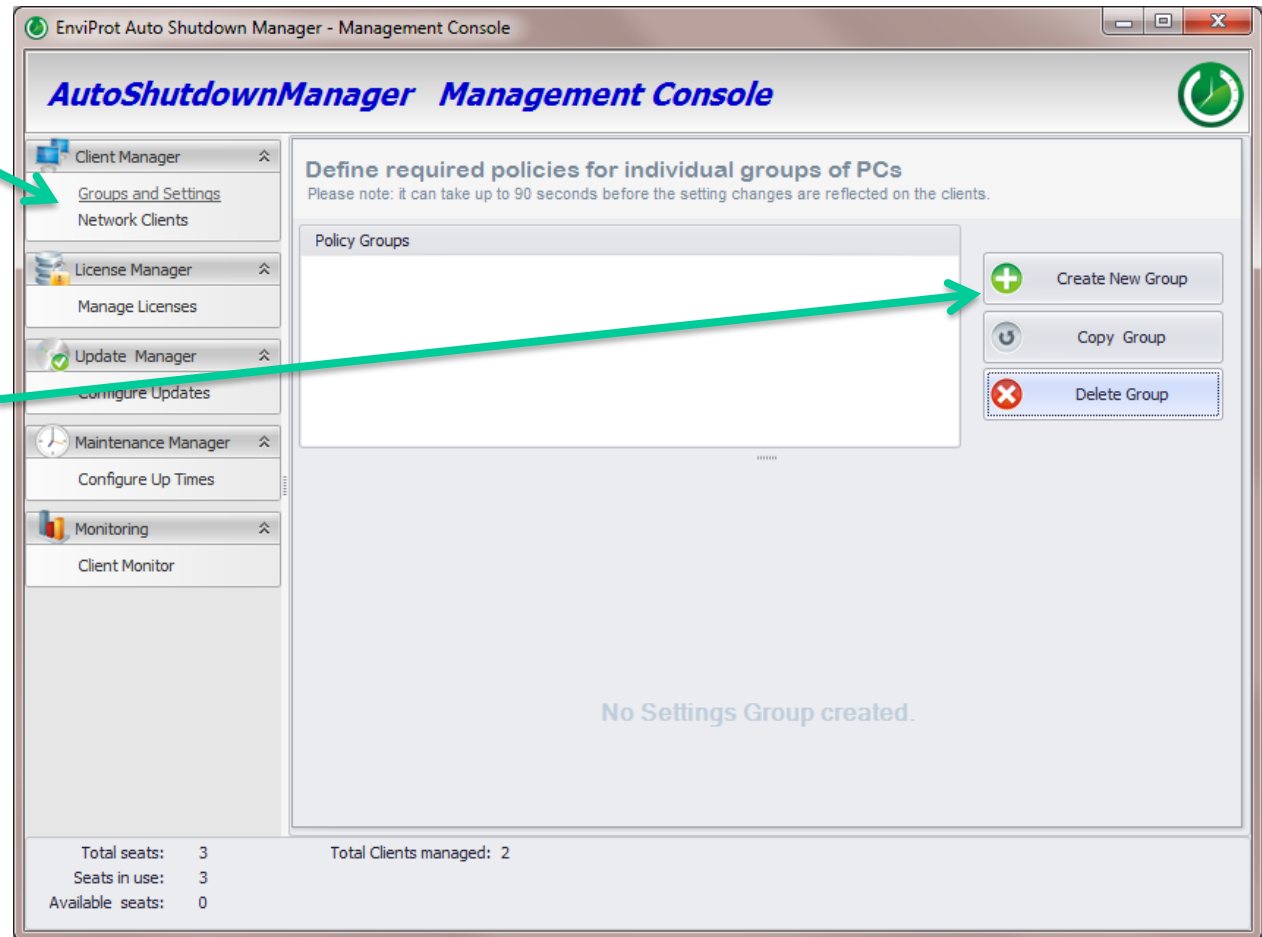
Not enforced by the server so users may decide



Client settings are managed in Policy Groups

Navigate to
“Groups and Settings”

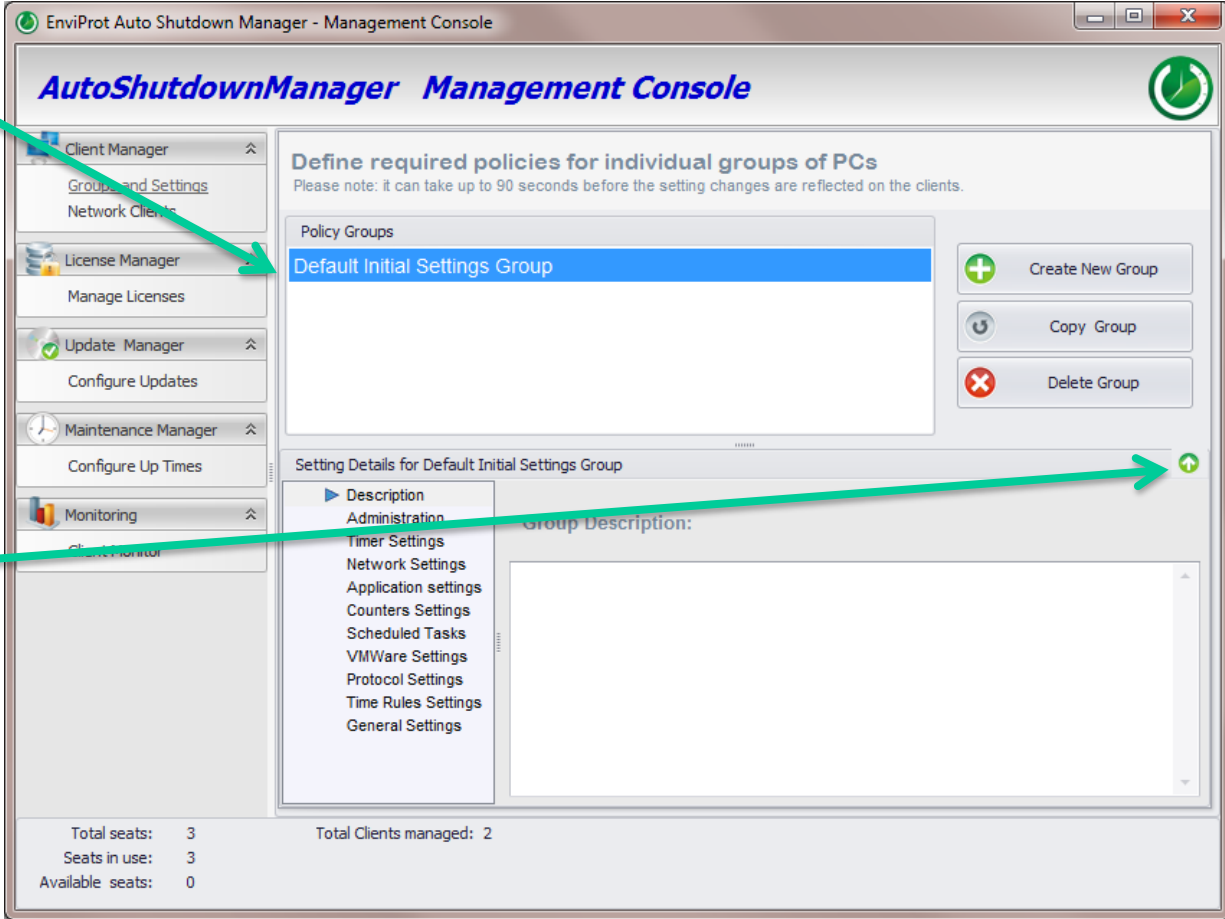
Create a new group to
assign PCs for specific
power management
settings and
administrative options.
Each group will define
distinct configurations.



Install on the Server First

Double-click or press F2 to input a descriptive name for the group.

To zoom into the settings form click on the up button



EnviProt Auto Shutdown Manager - Management Console

AutoShutdownManager Management Console

Client Manager
Groups and Settings
Network Clients

License Manager
Manage Licenses

Update Manager
Configure Updates

Maintenance Manager
Configure Up Times

Monitoring

Define required policies for individual groups of PCs
Please note: it can take up to 90 seconds before the setting changes are reflected on the clients.

Policy Groups

Default Initial Settings Group

Create New Group

Copy Group

Delete Group

Setting Details for Default Initial Settings Group

Description
Administration
Timer Settings
Network Settings
Application settings
Counters Settings
Scheduled Tasks
VMWare Settings
Protocol Settings
Time Rules Settings
General Settings

Group Description:

Total seats: 3
Seats in use: 3
Available seats: 0

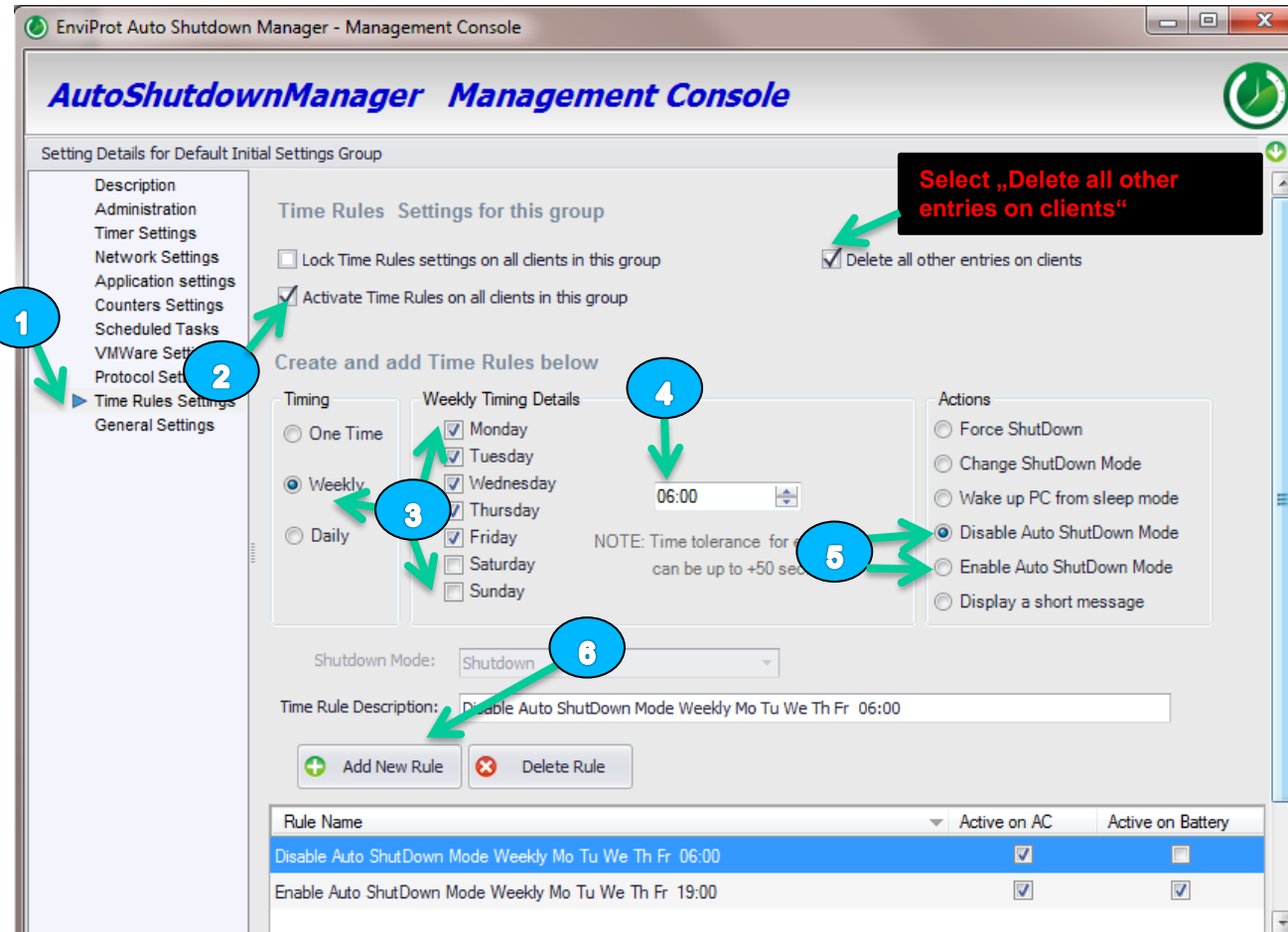
Total Clients managed: 2



First, configure when PCs must not shut down

We advise initiating the configuration with Time Rules.

Incorporate rules to Disable and Enable Auto Shutdown Mode, which will help avert idle shutdowns within specified durations. Disabling Auto Shutdown halts the Idle Shutdown Timer on client machines, ensuring that idle PCs remain operational until the Enable Auto Shutdown Rule is reinstated. Utilize this feature to delineate critical operational hours or class times, such as from 6 AM to 7 PM.



Select „Delete all other entries on clients“

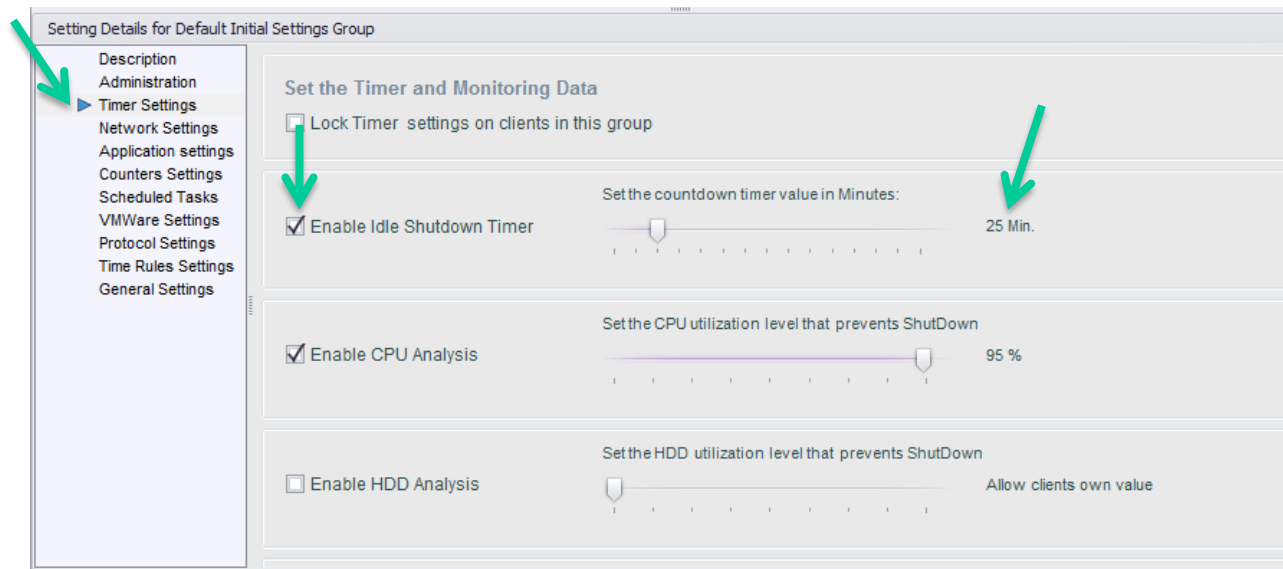
| Rule Name | Active on AC | Active on Battery |
|--|-------------------------------------|-------------------------------------|
| Disable Auto ShutDown Mode Weekly Mo Tu We Th Fr 06:00 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Enable Auto ShutDown Mode Weekly Mo Tu We Th Fr 19:00 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |



Shut down unused (idle) PCs

If users neglect to power down their PCs post-work, the Idle Timer will intervene to shut them down automatically. The standard idle period is set between 15-30 minutes.

Crucially, PCs will remain operational if they are actively used, regardless of the time. Active applications, network utilization, process activity, and other criteria can be configured to accurately identify productive status, thereby averting premature shutdowns.



Setting Details for Default Initial Settings Group

- Description
- Administration
- Timer Settings
- Network Settings
- Application settings
- Counters Settings
- Scheduled Tasks
- VMWare Settings
- Protocol Settings
- Time Rules Settings
- General Settings

Set the Timer and Monitoring Data

Lock Timer settings on clients in this group

Enable Idle Shutdown Timer

Set the countdown timer value in Minutes: 25 Min.

Enable CPU Analysis

Set the CPU utilization level that prevents ShutDown: 95 %

Enable HDD Analysis

Set the HDD utilization level that prevents ShutDown: Allow clients own value



Idle Shutdown Mode

Define the specific shutdown action to be taken when the idle timer expires and is set to turn off the PC. You can opt for a consistent shutdown approach, such as always selecting "Power Off."

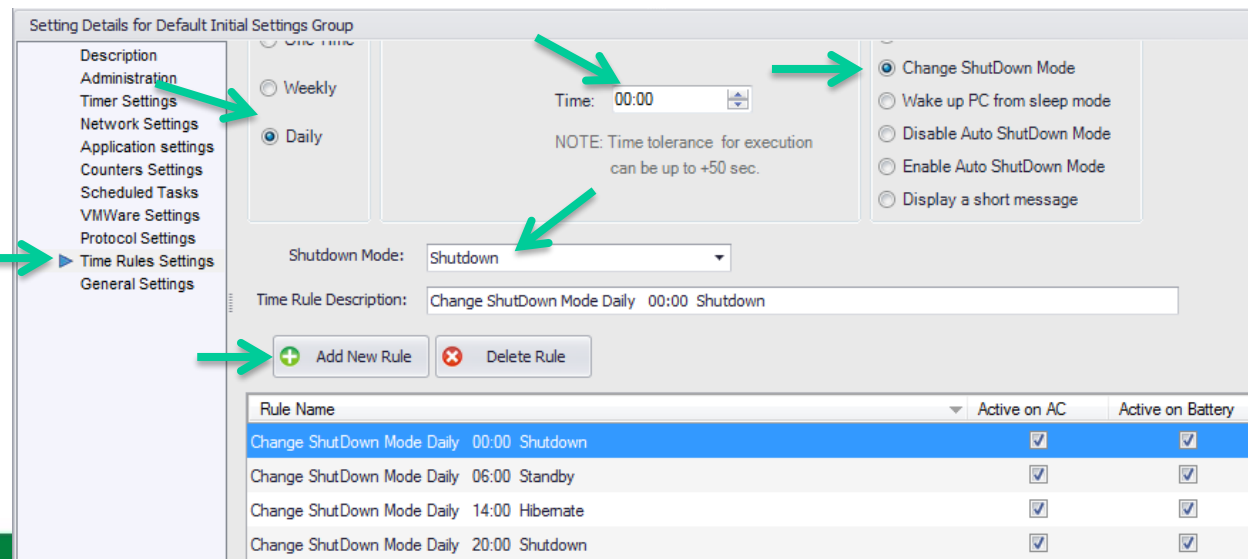
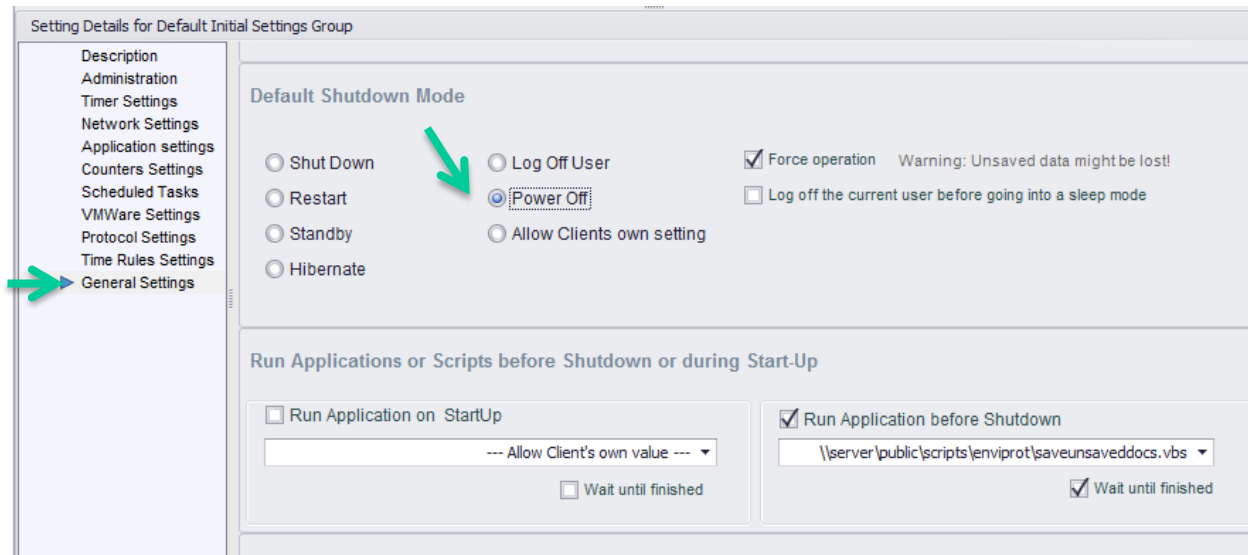
Alternatively, you may establish varied shutdown protocols based on the time and day of the week. For instance, to accommodate idle shutdowns during lunch breaks, you could implement the following schedule:

Between 6 AM and 2 PM: Enter Standby mode

Between 2 PM and 8 PM: Hibernate

Between 8 PM and 6 AM: Power Off

Remember, Time Rules will take precedence over the general default shutdown setting.

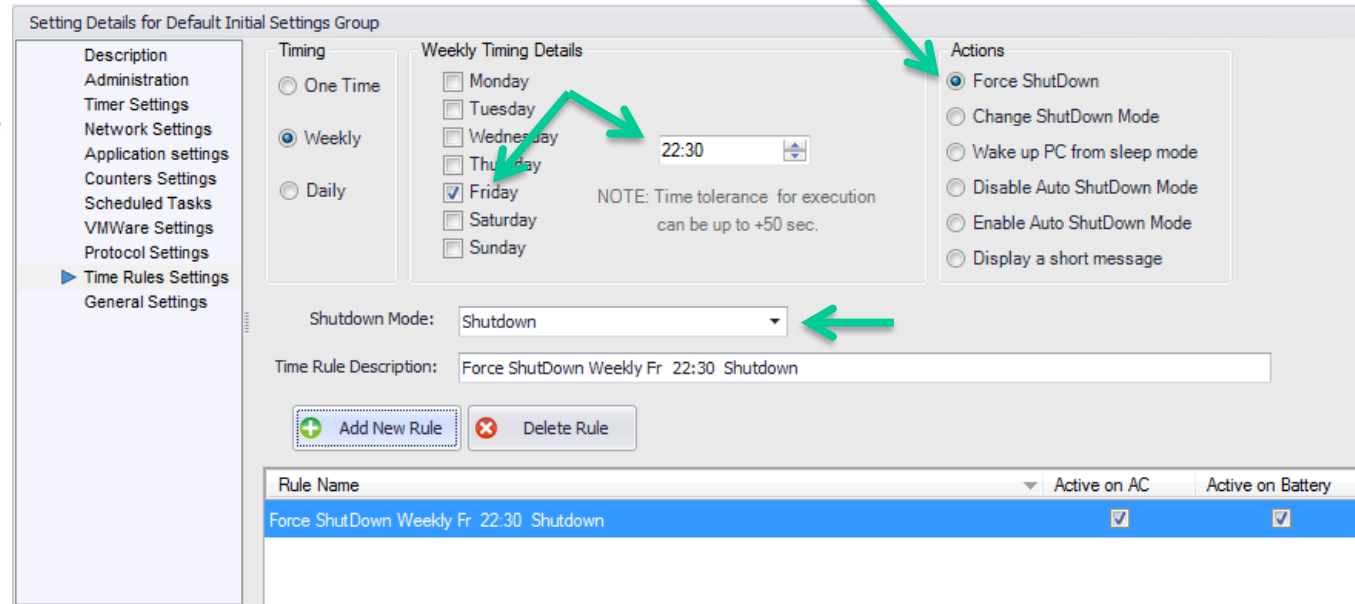


Forced Shutdown

You also can enforce shutdowns

And...

also define, if users should be notified and allowed to prevent it



Setting Details for Default Initial Settings Group

Description
Administration
Timer Settings
Network Settings
Application settings
Counters Settings
Scheduled Tasks
VMWare Settings
Protocol Settings
Time Rules Settings
General Settings

Timing
 One Time
 Weekly
 Daily

Weekly Timing Details
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday
 Sunday

22:30

NOTE: Time tolerance for execution can be up to +50 sec.

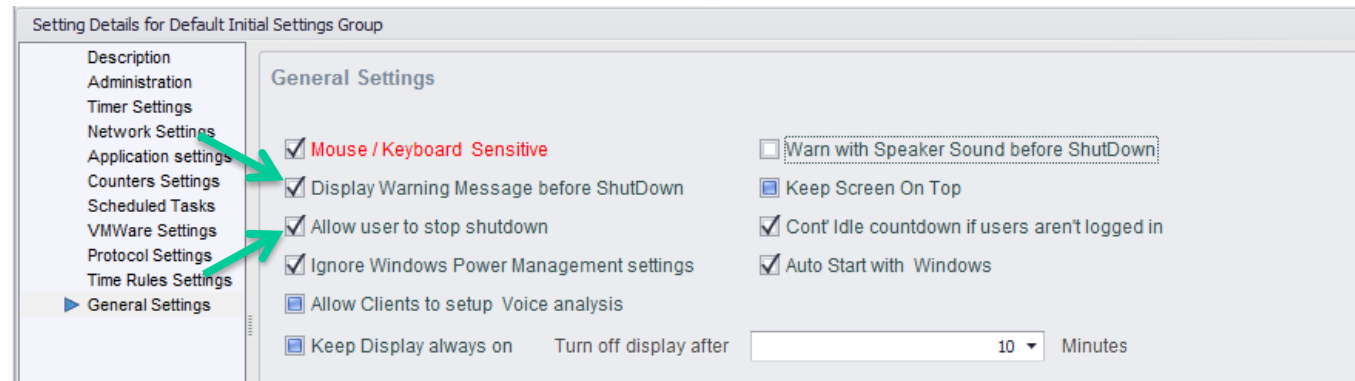
Actions
 Force ShutDown
 Change ShutDown Mode
 Wake up PC from sleep mode
 Disable Auto ShutDown Mode
 Enable Auto ShutDown Mode
 Display a short message

Shutdown Mode: Shutdown

Time Rule Description: Force ShutDown Weekly Fr 22:30 Shutdown

+ Add New Rule - Delete Rule

| Rule Name | Active on AC | Active on Battery |
|---|-------------------------------------|-------------------------------------|
| Force ShutDown Weekly Fr 22:30 Shutdown | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |



Setting Details for Default Initial Settings Group

Description
Administration
Timer Settings
Network Settings
Application settings
Counters Settings
Scheduled Tasks
VMWare Settings
Protocol Settings
Time Rules Settings
General Settings

General Settings

Mouse / Keyboard Sensitive

Warn with Speaker Sound before ShutDown

Display Warning Message before ShutDown

Keep Screen On Top

Allow user to stop shutdown

Cont' Idle countdown if users aren't logged in

Ignore Windows Power Management settings

Auto Start with Windows

Allow Clients to setup Voice analysis

Keep Display always on Turn off display after 10 Minutes

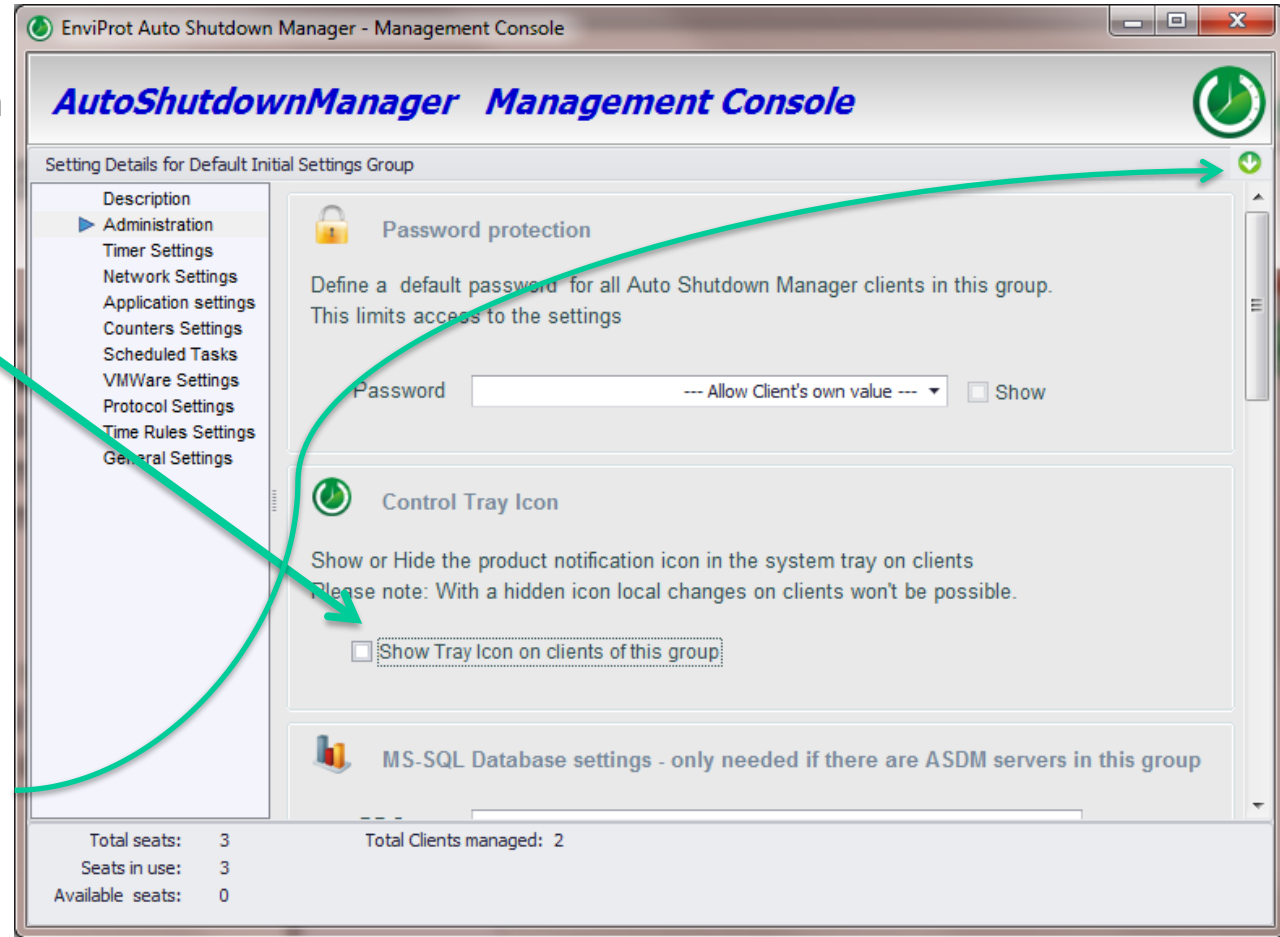


Install on the Server First

Configure all other useful and needed settings such as hiding or showing the program icon and the program group on clients, Warnings etc.

See the manual for all other options and setting details

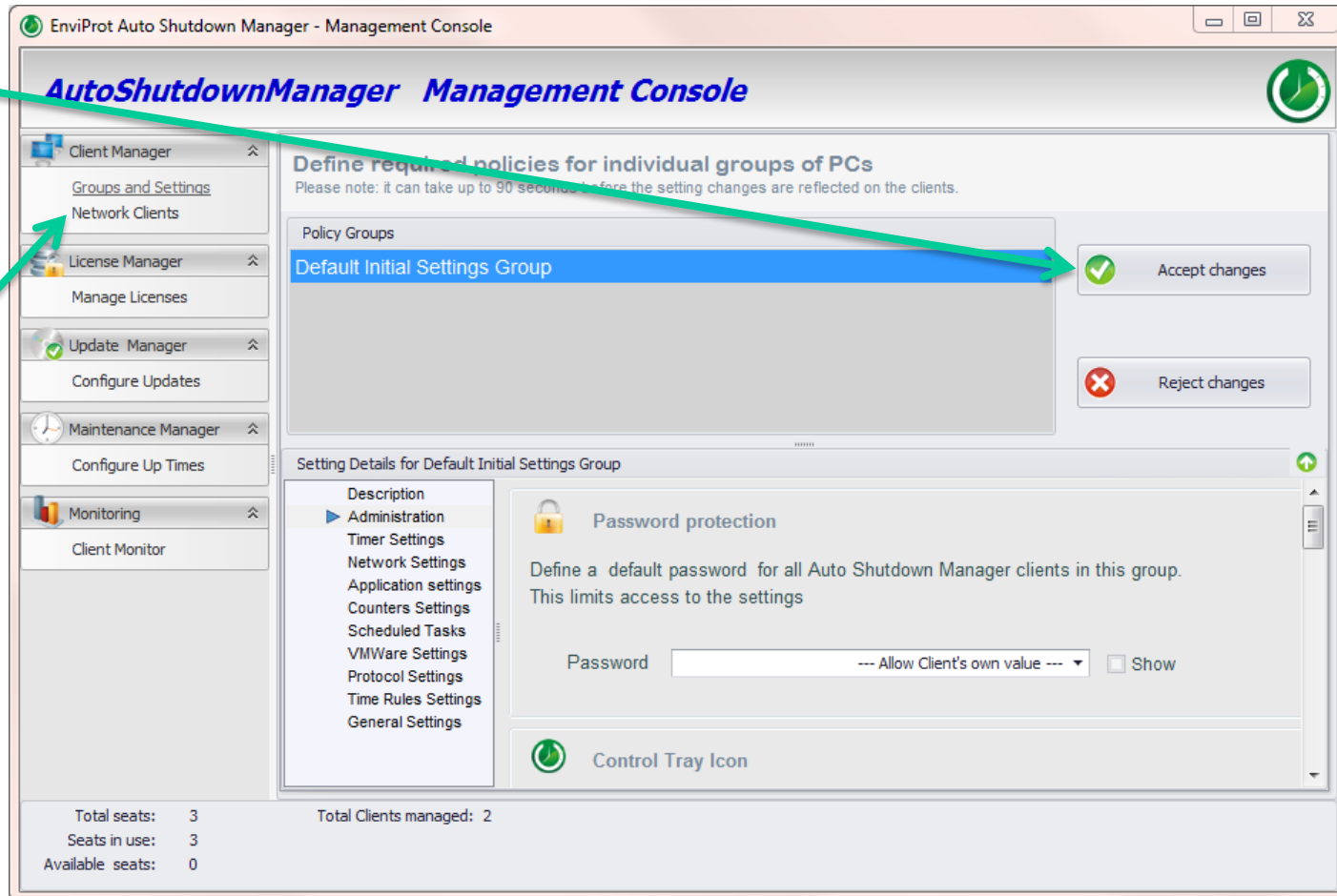
When finished, zoom out of the settings form again



Install on the Server First

Save all changes

Now, open
"Network Clients"



EnviProt Auto Shutdown Manager - Management Console

AutoShutdownManager Management Console

Client Manager

- Groups and Settings
- Network Clients

License Manager

- Manage Licenses

Update Manager

- Configure Updates

Maintenance Manager

- Configure Up Times

Monitoring

- Client Monitor

Define required policies for individual groups of PCs

Please note: it can take up to 90 seconds before the setting changes are reflected on the clients.

Policy Groups

- Default Initial Settings Group

Accept changes

Reject changes

Setting Details for Default Initial Settings Group

- Description
- Administration
- Timer Settings
- Network Settings
- Application settings
- Counters Settings
- Scheduled Tasks
- VMWare Settings
- Protocol Settings
- Time Rules Settings
- General Settings

Password protection

Define a default password for all Auto Shutdown Manager clients in this group. This limits access to the settings

Password --- Allow Client's own value --- Show

Control Tray Icon

Total seats: 3 Total Clients managed: 2
Seats in use: 3
Available seats: 0

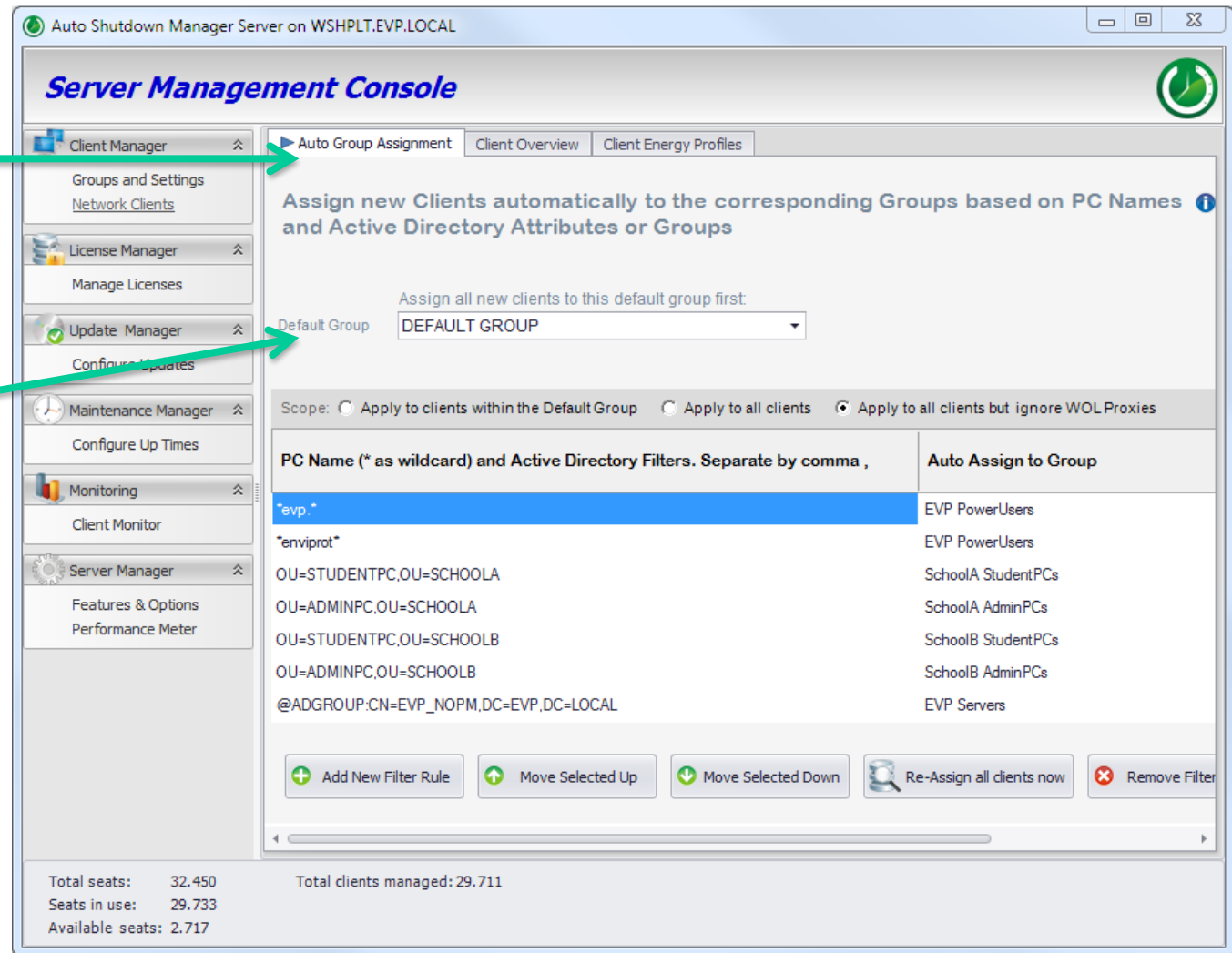


Install on the Server First

Open
“Auto Group
Assignment”

Define the created
group as the default
group for new clients
(or create another
one with different
settings as needed)

Now, all new clients will
receive the initial
settings – and can then
be automatically
assigned to another final
group (if wanted)



Auto Shutdown Manager Server on WSHPLT.EVP.LOCAL

Server Management Console

Client Manager > Auto Group Assignment | Client Overview | Client Energy Profiles

Assign new Clients automatically to the corresponding Groups based on PC Names and Active Directory Attributes or Groups

Assign all new clients to this default group first:

Default Group:

Scope: Apply to clients within the Default Group Apply to all clients Apply to all clients but ignore WOLProxies

| PC Name (* as wildcard) and Active Directory Filters. Separate by comma , | Auto Assign to Group |
|---|----------------------|
| *evp.* | EVP PowerUsers |
| *enviprot* | EVP PowerUsers |
| OU=STUDENTPC,OU=SCHOOLA | SchoolA StudentPCs |
| OU=ADMINPC,OU=SCHOOLA | SchoolA AdminPCs |
| OU=STUDENTPC,OU=SCHOOLB | SchoolB StudentPCs |
| OU=ADMINPC,OU=SCHOOLB | SchoolB AdminPCs |
| @ADGROUP:CN=EVP_NOPM,DC=EVP,DC=LOCAL | EVP Servers |

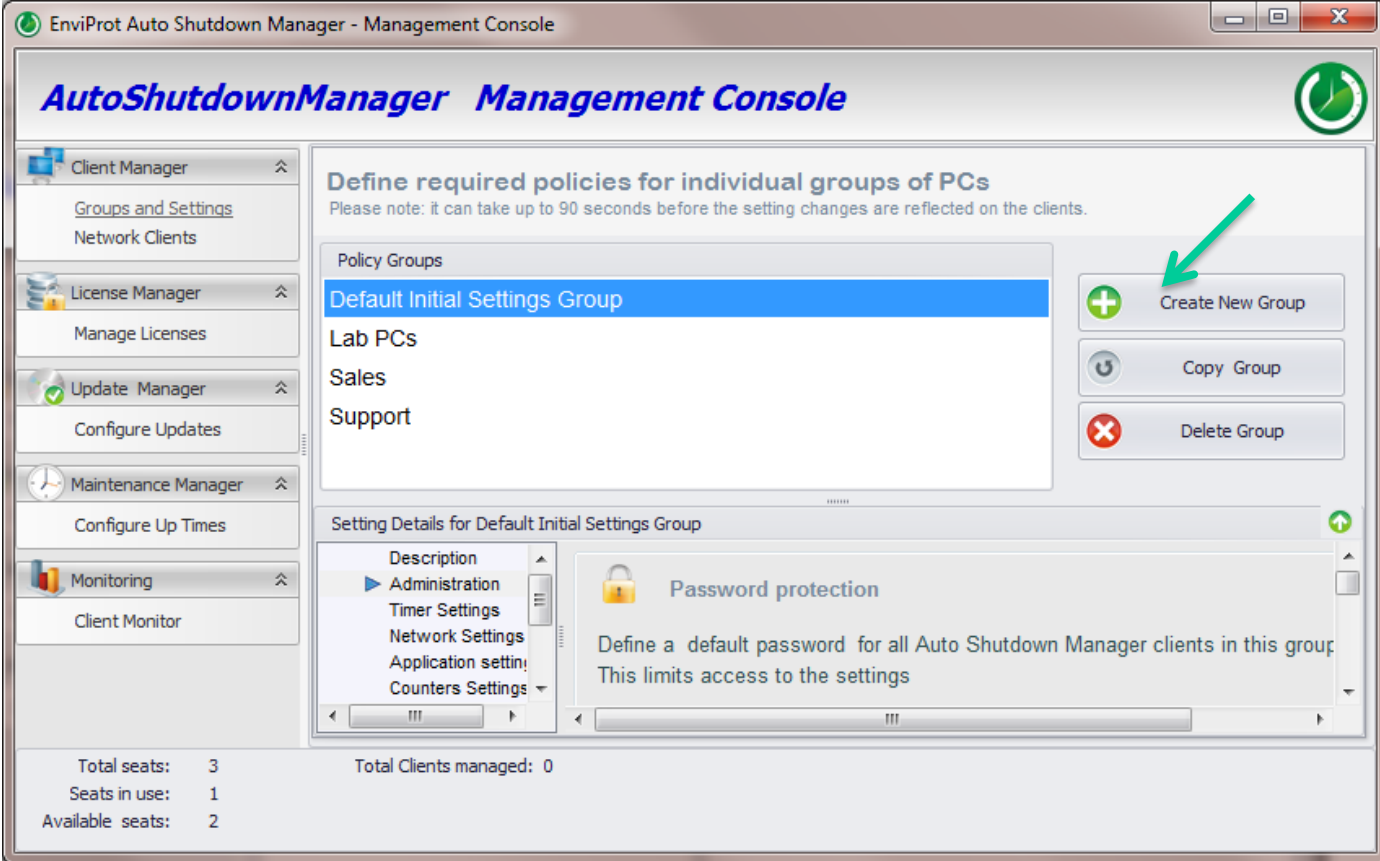
Total seats: 32.450 Total clients managed: 29.711
 Seats in use: 29.733
 Available seats: 2.717



Install on the Server First

Now create additional setting groups as you like and need.

Use Copy Group to create a new Group based on the settings of another group.



EnviProt Auto Shutdown Manager - Management Console

AutoShutdownManager Management Console

Define required policies for individual groups of PCs
Please note: it can take up to 90 seconds before the setting changes are reflected on the clients.

Policy Groups

- Default Initial Settings Group
- Lab PCs
- Sales
- Support

Setting Details for Default Initial Settings Group

Administration
Timer Settings
Network Settings
Application settings
Counters Settings

Password protection
Define a default password for all Auto Shutdown Manager clients in this group. This limits access to the settings

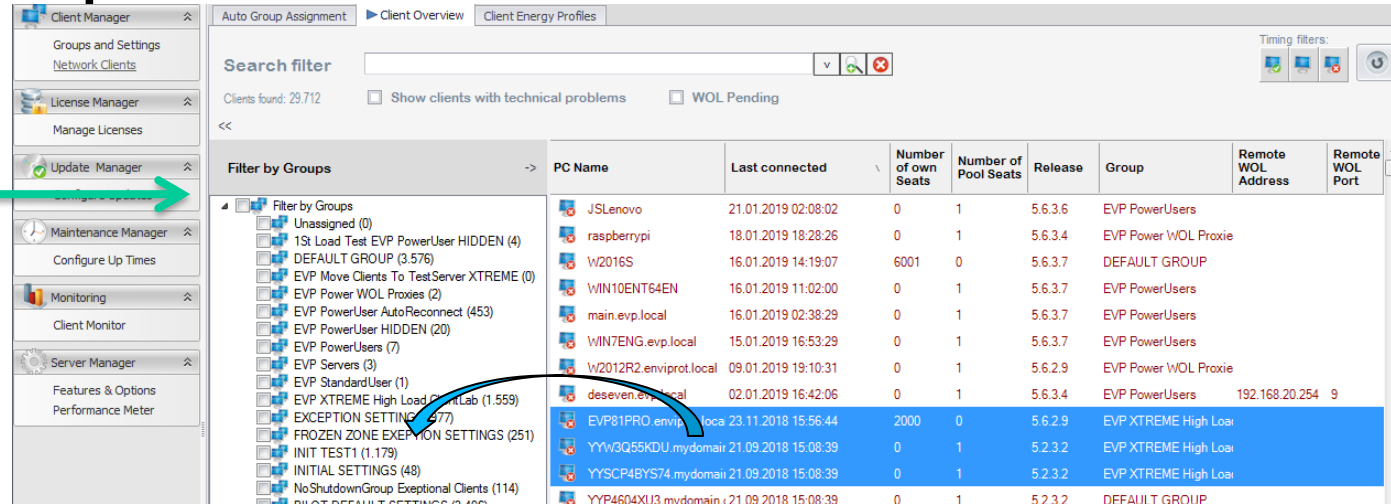
Total seats: 3
Seats in use: 1
Available seats: 2
Total Clients managed: 0



Manual Assignment of Clients to Setting Groups

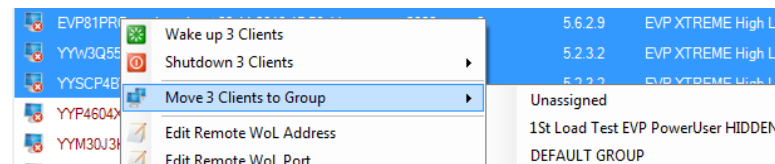
To reassign clients to another Group you can:

1) Open the Group Filters and Drag & Drop selected clients

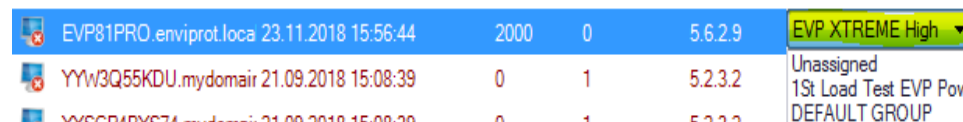


| Filter by Groups | PC Name | Last connected | Number of own Seats | Number of Pool Seats | Release | Group | Remote WOL Address | Remote WOL Port |
|---|-------------------------|---------------------|---------------------|----------------------|---------|----------------------|--------------------|-----------------|
| Unassigned (0) | JSLenovo | 21.01.2019 02:08:02 | 0 | 1 | 5.6.3.6 | EVP PowerUsers | | |
| 1St Load Test EVP PowerUser HIDDEN (4) | raspberrypi | 18.01.2019 18:28:26 | 0 | 1 | 5.6.3.4 | EVP Power WOL Proxie | | |
| DEFAULT GROUP (3,576) | W2016S | 16.01.2019 14:19:07 | 6001 | 0 | 5.6.3.7 | DEFAULT GROUP | | |
| EVP Move Clients To TestServer XTREME (0) | WIN10ENT64EN | 16.01.2019 11:02:00 | 0 | 1 | 5.6.3.7 | EVP PowerUsers | | |
| EVP Power WOL Proxies (2) | main.evp.local | 16.01.2019 02:38:29 | 0 | 1 | 5.6.3.7 | EVP PowerUsers | | |
| EVP PowerUser AutoReconnect (453) | WIN7ENG.evp.local | 15.01.2019 16:53:29 | 0 | 1 | 5.6.3.7 | EVP PowerUsers | | |
| EVP PowerUser HIDDEN (20) | W2012R2.enviprot.local | 09.01.2019 19:10:31 | 0 | 1 | 5.6.2.9 | EVP Power WOL Proxie | | |
| EVP PowerUsers (7) | deseven.evp.local | 02.01.2019 16:42:06 | 0 | 1 | 5.6.3.4 | EVP PowerUsers | 192.168.20.254 | 9 |
| EVP Servers (3) | EVP81PRO.enviprot.local | 23.11.2018 15:56:44 | 2000 | 0 | 5.6.2.9 | EVP XTREME High Loa | | |
| EVP StandardUser (1) | YYW3Q55KDU.mydomaini | 21.09.2018 15:08:39 | 0 | 1 | 5.2.3.2 | EVP XTREME High Loa | | |
| EVP XTREME High Load Client Lab (1,559) | YYSCP4BYS74.mydomaini | 21.09.2018 15:08:39 | 0 | 1 | 5.2.3.2 | EVP XTREME High Loa | | |
| EXCEPTION SETTINGS (577) | YYP4604XU3.mydomaini | 21.09.2018 15:08:39 | 0 | 1 | 5.2.3.2 | DEFAULT GROUP | | |
| FROZEN ZONE EXCEPTION SETTINGS (251) | | | | | | | | |
| INIT TEST1 (1,179) | | | | | | | | |
| INITIAL SETTINGS (48) | | | | | | | | |
| NoShutdownGroup Exceptional Clients (114) | | | | | | | | |
| POST-DEFAULT SETTINGS (2,465) | | | | | | | | |

2) Right-Click on selected Clients and chose “**Move Clients to Group**” from the Context Menu



3) For single clients, double click the Group Name directly and select another Group



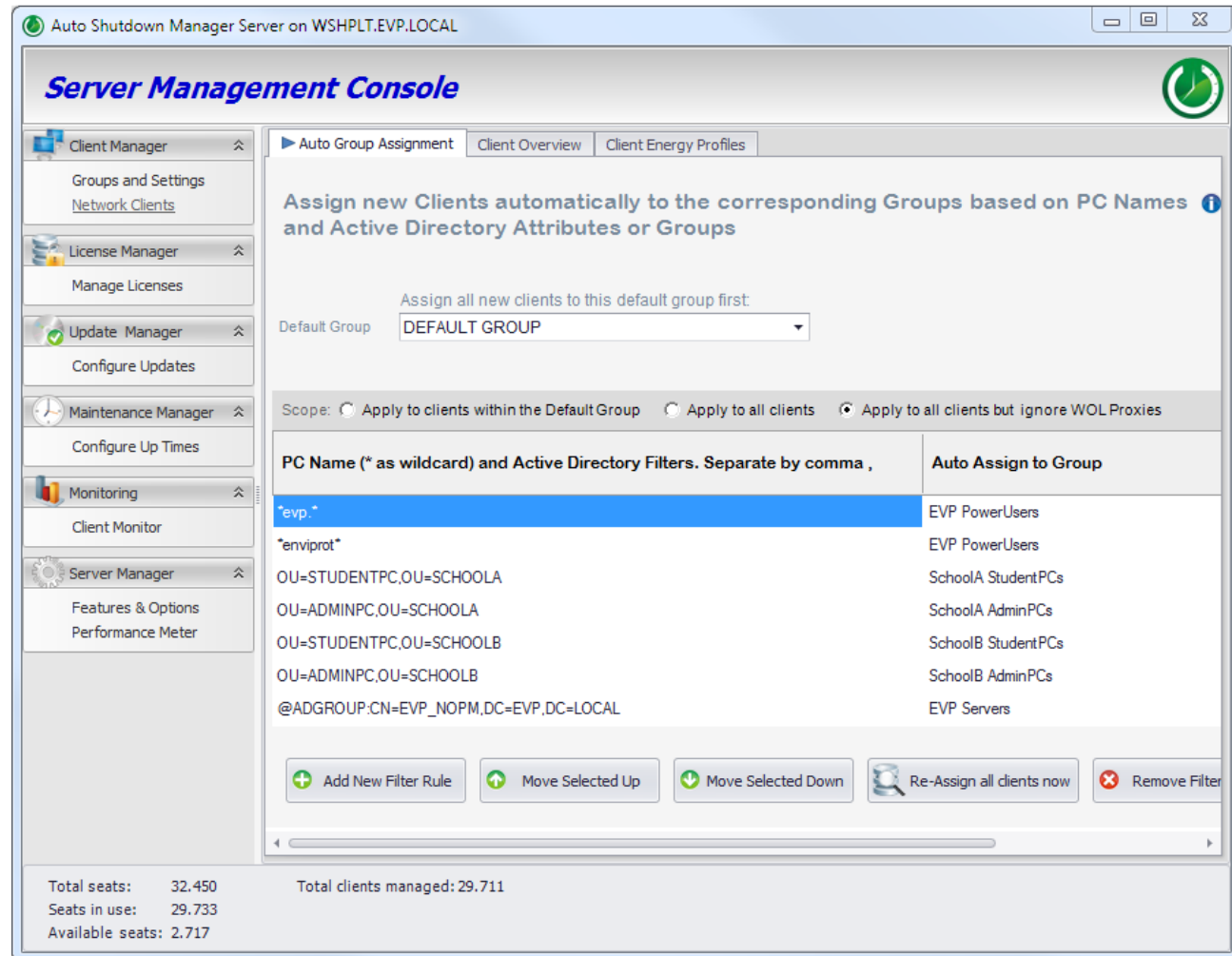
Please note that the Auto Group Assignment filters have higher priority and may reset your manual assignments.



Auto Assignment of Clients to Setting Groups

You can use the Active Directory attributes or AD Group Membership and/or filters based on PC Names to automatically assign new clients to the corresponding setting groups.

Please see the manual for many examples and details.



The screenshot shows the 'Server Management Console' interface for 'Auto Shutdown Manager Server on WSHPLT.EVP.LOCAL'. The 'Auto Group Assignment' tab is active, displaying a configuration page for assigning new clients to groups based on PC names and Active Directory attributes.

Assign new Clients automatically to the corresponding Groups based on PC Names and Active Directory Attributes or Groups

Assign all new clients to this default group first:
 Default Group: **DEFAULT GROUP**

Scope: Apply to clients within the Default Group Apply to all clients Apply to all clients but ignore WOL Proxies

| PC Name (* as wildcard) and Active Directory Filters. Separate by comma , | Auto Assign to Group |
|---|----------------------|
| *evp.* | EVP PowerUsers |
| *enviprot* | EVP PowerUsers |
| OU=STUDENTPC,OU=SCHOOLA | SchoolA StudentPCs |
| OU=ADMINPC,OU=SCHOOLA | SchoolA AdminPCs |
| OU=STUDENTPC,OU=SCHOOLB | SchoolB StudentPCs |
| OU=ADMINPC,OU=SCHOOLB | SchoolB AdminPCs |
| @ADGROUP:CN=EVP_NOPM,DC=EVP,DC=LOCAL | EVP Servers |

Buttons: Add New Filter Rule, Move Selected Up, Move Selected Down, Re-Assign all clients now, Remove Filter

Summary: Total seats: 32,450 | Seats in use: 29,733 | Available seats: 2,717 | Total clients managed: 29,711



Install on the Server First

The most important server settings are done.

Now deploy and auto configure the Auto Shutdown Manager clients.



Install the clients

Use or create a network share for the mass deployment. Make sure all client PCs have read rights to it.

Copy the AutoShutdownManager5.msi file into that share and create a file called **server.ini** using a text editor.

Enter the server's IP/Name into the first line and the server Port Number into the second line. Your server.ini should look like:

```
MyServerNameOrIP  
8088
```

Now, the share - for example \\MyServerNameOrIP\public\software\ASDM - contains the AutoShutdownManager5.msi and server.ini files

Alternatively you can use parameters to the msi file such as msiexec.exe /i Autosutdownmanager5.msi server="ServerNameOrIP" port=8088. See the manual for more details.



Install the clients

Now, you can start the client deployment using your common software deployment tool.

See here how GPO can be used for mass deployments

https://www.enviprot.com/Software/ASDM_GPO_Deployment.pdf



Finished

Post-Installation Client-Server Integration:

- **Upon installation, clients automatically connect to the server.**
- **Initial settings are deployed to each client.**
- **If configured, clients are then assigned to their respective setting groups.**
- **Clients receive their final configurations and management directives.**



Specials Cases

Image based client systems

Compatibility with Provisioning or Image-Based Environments:

In environments like XEN provisioning, Rembo, etc., where OS and certain partitions are reset upon restart, Auto Shutdown Manager is fully compatible.

The software is designed to adapt to environments where system configurations are frequently overwritten or reset.

For Detailed Deployment Instructions:

Please refer to the 'Deployment within image-based client systems' section in the manual for comprehensive guidance.





Thank you!

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www.enviprot.com