

**Automate Your  
PC Power Management  
and Save up to 80% on  
Energy and Costs**

# Auto Shutdown Manager

## What is it?

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1. It automatically manages your PCs' power up and down cycles
2. It enhances security: By ensuring machines are properly shut down
3. It enables remote workers to power up their office PCs
4. It details assets, including PC types, software, and driver versions, and more
5. It reports on costs, energy use, up and down times, and more
6. Much more ...

# Some Basics

# How to ensure WOL works on even shut-down clients?

By using the build-in “Fix WOL on Clients” feature

The screenshot displays the **Server Management Console** interface. On the left, a navigation pane shows various management tools, with **Client Manager** expanded to **Groups and Settings**. The main area is titled **Power Management Policy Groups And Settings** and includes a list of policy groups: **Administration PCs** and **Standard Office Clients**. Action buttons for **Create New Group**, **Copy Group**, **Delete Group**, and **Refresh Policy Groups** are visible. Below this, the **Setting Details for Standard Office Clients** panel is shown, with the **Network** section selected. In the **Connect to the following server** section, the **Fix WOL on Clients** checkbox is checked. Other settings include **Register to the server** and **Auto reconnect if connection lost** (both checked), **Server name or address** (ASDM-SERVER), and **Server TCP port** (8088).

# How to ensure WOL works even across networks?

Ensure WOL functionality across different networks by adding WOL proxies for each network or segment. This can be done manually or configured to be automatically generated.

Any PC on the target network can be selected to act as a WOL proxy

The screenshot shows the 'Server Management Console' interface. The 'WOL Proxies' tab is active, displaying configuration options and a table of active proxies.

**Wake On LAN Proxies are used to Broadcast Magic Packets on a remote sites**  
Every Client PC on a remote site can act as a WOL Proxy. It would make sense to assign all WOL Proxy Clients to a new Setting Group where the Idle Timer was stopped and no Shutdown Time Rules exist in order to keep them up and running for 24/7. Also Raspberry PI and similar Java based devices are supported.

Standard Group for WOL Proxies: WOL Proxies (24/7)

Keep Active WOL Proxies Alive:

Auto Generate WOL Proxies (BETA)

Active	Remote Client	Network Address	Network Mask	Broadcast Address	Fixed by Admin
<input checked="" type="checkbox"/>	EnviProtUbuntu	192.168.10.0	255.255.255.0	192.168.10.255	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	raspberrypi	192.168.8.0	255.255.255.0	192.168.8.255	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	W2016S.evp.local	10.1.1.0	255.255.255.0	10.1.1.255	<input checked="" type="checkbox"/>

# How to ensure documents are saved before shutdown?

By the “Save Documents” feature under General Setting

The screenshot displays the Server Management Console interface. The left sidebar shows a navigation menu with categories like Client Manager, License Manager, Update Manager, Maintenance Manager, Monitoring, and Server Manager. The main area is titled 'Power Management Policy Groups And Settings' and shows a list of policy groups: 'Administration PCs' and 'Standard Office Clients'. The 'Standard Office Clients' group is selected, and its settings are displayed below. The 'General' tab is active, showing a section for 'Definitions For Auto Saving Open MS Office Documents Before Shut Down'. This section includes a note that documents are only saved if the shutdown is controlled by the Auto Shutdown Manager. Below the note are several checkboxes, all of which are checked: 'Save write protected documents as local copy', 'Save documents back to their origin', 'Save Word Documents', 'Save Excel Documents', 'Save PowerPoint Documents', 'Save Outlook Documents', 'Save Visio Documents', 'Save Project Documents', 'Save Documents before Standby', 'Save Documents before Hibernation', 'Save Documents before Restart', 'Save Documents before Log Off', and 'Save Documents before Shutdown'. At the bottom, there are fields for 'Options for new documents or local copies', including Home Drive, Env. Variable, Folder Name, Def. Mark, and various Suffix fields for Word, Excel, PowerPoint, Visio, and Project documents.

# How to shutdown PCs at 8:00 PM Mon-Fri ?

By build-in Time Rules

The screenshot displays the 'Server Management Console' interface. The left sidebar shows a navigation menu with 'Time Rules' selected under the 'Server Manager' section. The main content area is titled 'Power Management Policy Groups And Settings' and shows a list of policy groups: 'Administration PCs' and 'Standard Office Clients'. The 'Standard Office Clients' group is selected, and its settings are displayed in the 'Setting Details for Standard Office Clients' pane. Under 'Time Rules Settings', the 'Enable Time Rules' checkbox is checked. The 'Timing based on Days of Week' option is selected. The configuration shows a date/time of 'Montag 01.01.2024 20:00' and a repeat frequency of '1' every 'Mon, Tue, Wed, Thu, Fri'. The rule is named 'Enforce Shutdown From 1/1/2024 8:00 PM every Mon,Tue,Wed,Thu,Fri'. A table at the bottom shows the next event for this rule: 'Wednesday, March 6, 2024 8:00 PM'.

**Server Management Console**

**Power Management Policy Groups And Settings**

Please note: it can take 90+ seconds before setting changes are reflected on clients

Policy Groups

- Administration PCs
- Standard Office Clients**

Setting Details for Standard Office Clients

**Time Rules Settings**

- Lock Settings on Clients
- Enable Time Rules
- Delete All Other Time Rules on Clients

Custom Timing  Timing based on Days of Week

Date / Time: Montag 01.01.2024 20:00

Repeat every: 1

Stop after: 0 times or from Do 31.12.9998

Description: Enforce Shutdown From 1/1/2024 8:00 PM every Mon,Tue,Wed,Thu,Fri

Time Rule Description sorted by name	Next Event by Time
Enforce Shutdown From 1/1/2024 8:00 PM every Mon,Tue,Wed,Thu,Fri	Wednesday, March 6, 2024 8:00 PM

# Configuration example for a typical office setup



# Configuration example

## Let's define the key timing

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1. Wake office PCs at 7:00 AM from Monday – Friday
2. Keep the PCs up and running until 5 PM Monday – Friday
3. If PCs are left running but are no longer in use after 5 PM for at least 30 minutes, save open documents and shut them down
4. Wake PCs for maintenance at 3:00 AM every Saturday for 2 hours
5. Reboot Servers at 5:00 AM every second Saturday

# Configuration example

## 1. Wake office PCs at 7:00 AM from Monday – Friday

By using the build-in WOL Scheduler

The screenshot shows the 'Server Management Console' interface. The left sidebar contains various management tools: Client Manager, License Manager, Update Manager, Maintenance Manager, Monitoring, and Server Manager. The main area is titled 'Wake On LAN - Scheduler' and is currently set to 'Timing based on Days of Week'. The configuration shows a date of 'Montag 01.01.2024' at '07:00', repeating every 1 day on 'Mon; Tue; Wed; Thu; Fri'. The 'Next Event' is 'Thursday, March 7, 2024 7:00 AM'. A table at the bottom lists the scheduled plan: 'WOL Office PCs Mo-Fr at 7am' for 'Standard Office Clients', which is active and scheduled for 'Thursday, March 7, 2024 7:00 AM'.

**Server Management Console**

Real Time Actions | **WOL Scheduler** | WOL Scheduler Exceptions | WOL Proxies | UPS | (PROTOTYPE) User Time Limits

**Wake On LAN - Scheduler** WOL Pending...

Custom Timing  **Timing based on Days of Week**

Date / Time: Montag 01.01.2024 07:00

Repeat every: 1 **Mon; Tue; Wed; Thu; Fri**

Stop after: 0 times or from Do 31.12.9998

Preview Timing

Next Event: Thursday, March 7, 2024 7:00 AM

Description: WOL Office PCs Mo-Fr at 7am

+ ADD New - Remove

Description	Scheduled Wake On Lan Plans	Active	Next Event
<b>WOL Office PCs Mo-Fr at 7am</b>	WoL every Mon,Tue,Wed,Thu,Fri Standard Office Clients	<input checked="" type="checkbox"/>	Thursday, March 7, 2024 7:00 AM

# Configuration example

## 2. Keep the PCs up and running until 5 PM Monday – Friday

By using the “DISABLE” and “ENABLE” Auto Shutdown Time Rules

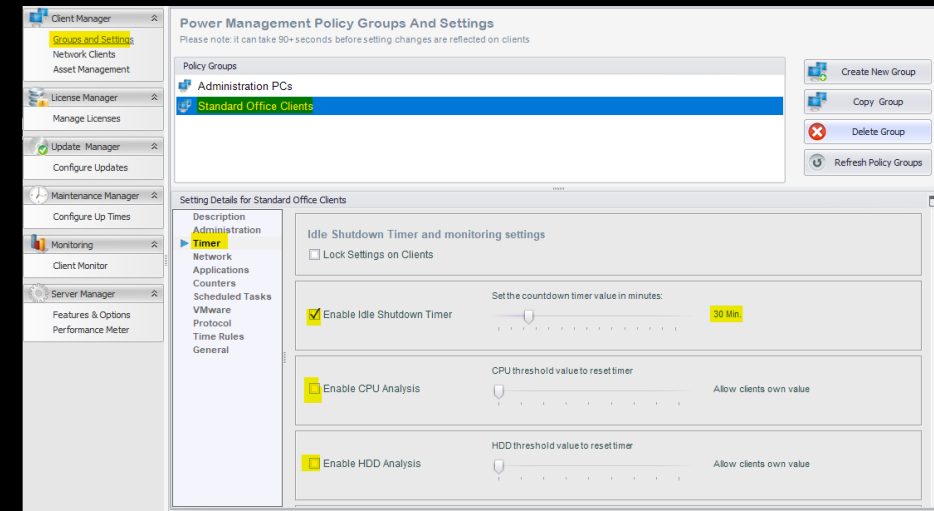
The screenshot displays the Server Management Console interface. The left sidebar shows the navigation menu with 'Groups and Settings' selected under Client Manager. The main area is titled 'Power Management Policy Groups And Settings' and shows a list of policy groups: 'Administration PCs' and 'Standard Office Clients'. The 'Standard Office Clients' group is selected, and its settings are displayed in the main pane. The 'Time Rules Settings' section is expanded, showing 'Enable Time Rules' and 'Delete All Other Time Rules on Clients' checked. The 'Timing based on Days of Week' option is selected. The 'Date / Time' field is set to 'Montag 01.01.2024 07:00'. The 'Repeat every' field is set to '1' and 'Mon; Tue; Wed; Thu; Fri'. The 'Stop after' field is set to '0' times or from 'Do 31.12.9998'. The 'Active on AC' checkbox is checked. The 'Description' field contains the text 'Disable Auto Shutdown From 1/1/2024 7:00 AM every Mon,Tue,Wed,Thu,Fri'. Below the settings, there is a table of time rules:

Time Rule Description sorted by name	Next Event by Time
Disable Auto Shutdown From 1/1/2024 7:00 AM every Mon,Tue,Wed,Thu,Fri	Friday, March 8, 2024 7:00 AM
Enable Auto Shutdown From 3/7/2024 5:00 PM every Mon,Tue,Wed,Thu,Fri	Thursday, March 7, 2024 5:00 PM

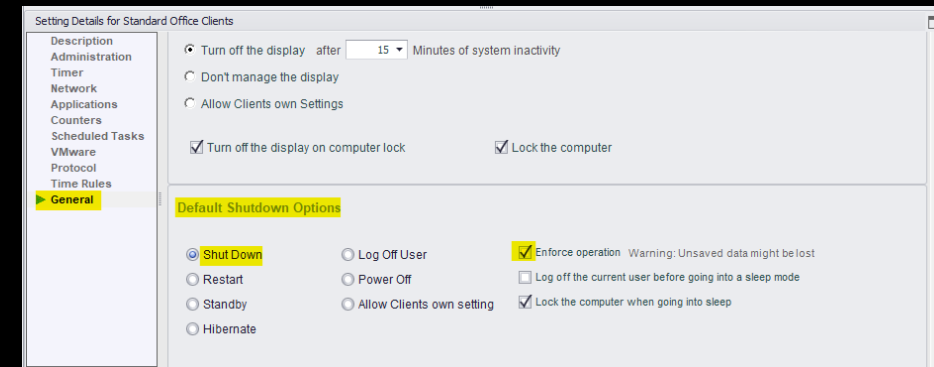
# Configuration example

3. If PCs are still running but are no longer in use after 5 PM for at least 30 minutes, save open documents and shut them down

A) Set the “Idle Shutdown Timer” to 30 Minutes



B) Choose 'Shut Down' as the default option to automatically execute this action when the timer expires



# Configuration example

## 4. Wake PCs for maintenance at 3:00 AM every Saturday

By using the build-in WOL Scheduler

The screenshot shows the 'Server Management Console' interface. The left sidebar contains navigation options: Client Manager, License Manager, Update Manager, Maintenance Manager (with 'Configure Up Times' highlighted), Monitoring, and Server Manager. The main area is titled 'Wake On LAN - Scheduler' and includes tabs for 'Real Time Actions', 'WOL Scheduler', 'WOL Scheduler Exceptions', 'WOL Proxies', 'UPS', and '(PROTOTYPE) User Time Limits'. The 'WOL Scheduler' tab is active, showing configuration options for 'Timing based on Days of Week'. The 'Date / Time' is set to 'Montag 01.01.2024 03:00', 'Repeat every' is '1' on 'Sat', and 'Stop after' is '0' times or from 'Do 31.12.9998'. A 'Preview Timing' button is present. Below this, the 'Next Event' is 'Saturday, March 9, 2024 3:00 AM' and the 'Description' is 'Office PCs Maintenance 3AM Saturday'. A table at the bottom lists scheduled plans:

Description	Scheduled Wake On Lan Plans	Active	Next Event
Office PCs Maintenance 3AM Saturday	WoL every Sat Standard Office Clients	<input checked="" type="checkbox"/>	Saturday, March 9, 2024 3:00 AM
WOL Office PCs Mo-Fr at 7am	WoL every Mon,Tue,Wed,Thu,Fri Standard Office Clients	<input checked="" type="checkbox"/>	Friday, March 8, 2024 7:00 AM

# Configuration example

4. Keep the PCs up and running for 2 hours between 3 AM – 5 AM for maintenance each Saturday and then shut them down

The screenshot displays the 'Server Management Console' interface. The left sidebar contains navigation options: Client Manager (Groups and Settings, Network Clients, Asset Management), License Manager (Manage Licenses), Update Manager (Configure Updates), Maintenance Manager (Configure Up Times), Monitoring (Client Monitor), and Server Manager (Features & Options, Performance Meter). The main area is titled 'Power Management Policy Groups And Settings' and shows a list of policy groups: 'Administration PCs' and 'Standard Office Clients'. The 'Standard Office Clients' group is selected, and its 'Setting Details' are shown. Under 'Time Rules Settings', the 'Lock Settings on Clients' checkbox is checked, and 'Timing based on Days of Week' is selected. A time rule is configured with the following details:

- Date / Time: Montag 01.01.2024 05:00
- Repeat every: 1 Saturday
- Stop after: 0 times or from Do 31.12.9998
- Description: Maintenance: Enforce Shutdown From 1/1/2024 5:00 AM every Sat

The 'Time Rule Description sorted by name' table below shows the following entries:

Time Rule Description sorted by name	Next Event by Time
Disable Auto Shutdown From 1/1/2024 7:00 AM every Mon,Tue,Wed,Thu,Fri	Friday, March 8, 2024 7:00 AM
Enable Auto Shutdown From 3/7/2024 5:00 PM every Mon,Tue,Wed,Thu,Fri	Thursday, March 7, 2024 5:00 PM
Maintenance: Disable Auto Shutdown From 1/1/2024 3:00 AM every Sat	Saturday, March 9, 2024 3:00 AM
Maintenance: Enable Auto Shutdown From 3/7/2024 05:00 AM every Sat	Saturday, March 9, 2024 5:00 AM
Maintenance: Enforce Shutdown From 1/1/2024 5:00 AM every Sat	Saturday, March 9, 2024 5:00 AM

# Configuration example

## 5. Reboot Servers at 5:00 AM every second Saturday

**Server Management Console**

**Power Management Policy Groups And Settings**  
Please note: it can take 90+ seconds before setting changes are reflected on clients

**Policy Groups**

- Administration PCs
- SERVERS 24/7**
- Standard Office Clients

**Setting Details for SERVERS 24/7**

**Time Rules Settings**

- Lock Settings on Clients
- Enable Time Rules
- Delete All Other Time Rules on Clients

Custom Timing  Timing based on **Days of Week**

Date / Time: Montag 01.01.2024 05:00 **Enforce Restart**

Repeat every: 2 **Sat**

Stop after: 0 times or from Do 31.12.9998  Active on AC  Active on DC **Preview Timing**

Description: Maintenance Reboot: Enforce Restart From 1/1/2024 5:00 AM every 2 Sat

**Time Rule Description sorted by name** / **Next Event by Time**


Time Rule Description sorted by name	Next Event by Time
Ensure 24/7: Disable Auto Shutdown From 1/1/2024 12:00 AM Repeat every Day	Friday, March 8, 2024 12:00 AM
<b>Maintenance Reboot: Enforce Restart From 1/1/2024 5:00 AM every 2 Sat</b>	<b>Saturday, March 16, 2024 5:00 AM</b>

**How to enable remote  
workers to power up their  
office PCs ?**



# Advanced WOL Portal

Install the WOL Portal on your IIS Server in your Intranet



The PowerSaving Company

## Welcome to the WOL Portal

Login Using domain\loginname

User Name

Password


Login

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# Advanced WOL Portal

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After login, click on “Wake” next to one of the PCs assigned to you



The PowerSaving Company

## Welcome to the WOL Portal

**Assigned office Computer to you:**

PCAdmin012BuildA1.enviprot.local>> **Wake**

[Logout](#)


[Manage Users and PCs](#)  
[Show current status](#)

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# Advanced WOL Portal

WOL Portal Admins can add or import users and assign PCs to them

Welcome to the WOL Portal

## User Manager


Use \*?# as wildcards for filtering. For example: \*jo?n\* finds domainname\JohnDoe

Is Admin:  Is Viewer:    [Filter](#) [Show All](#) [Export All](#)

User	Last Login Time	Is Portal Admin	Is Status Viewer	PCs Assigned	Actions
evp\administrator		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PCAdmin012BuildA1.enviprot.local	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
evp\defaultaccount		<input type="checkbox"/>	<input type="checkbox"/>	n/a	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

# Advanced WOL Portal

Each user can get multiple PCs assigned



The PowerSaving Company

## Welcome to the WOL Portal

**Assigned office Computers to you:**

wshplt.evp.local >> [Wake](#)  
MMB.evp.local >> [Wake](#)  
EnviProtUbuntu >> [Wake](#)  
WS11LENEVP **ON detected via PING**

[Logout](#)

[Manage Users and PCs](#)  
[Show current status](#)

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# How to check current IT assets?

# IT Assets

Example: Identify all client devices with NIC drivers dated before 2015:

**Server Management Console**

Client Manager > Client Overview

Search filter: `$am.nic.DriverDate < 01.01.2015`

Clients found: 1

PC Name	Last connected	Number of own Seats	Number of Pool Seats	Release	Group	Remot WOL Address
wshplt.evp.local	2/14/2023 12:10:47 PM	1000	0	5.7.4.9	EVP PowerUsers	

**Client Details for wshplt.evp.local**

MAC / BCA		Manufacturer	Hewlett-Packard	Physical Memory	16.0 GB
Release	5.7.4.9	PC Model	HP ProBook 6560b	# Processors	1
Power Supply State	Safe	PC System Type	Mobile	Energy Saved	1,295 kWh
Thermal State	Other	Sleep Mode Support	Yes	Last IP Address	192.168.10.100
AD Groups	3	Client ID	77bbe9d6-b979-4fa4-93c4-85ae88a8ba29		

# Questions ?

Please contact us

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