ASoft AutoExit *2009*
For Windows Home Server

Introduction

Released   2009

ASoft AutoExit for Windows Home Server is a console add-in for Windows Home Server.
It can be used to manage the client machines in your network by giving the option to shut down, reboot... from within the WHS console. This saves you time and money!
You can do these actions per machine or for all.
Messages can be sent to the clients and you can connect via Remote Desktop.
The server can also be shut down.

Server Setup (upgrade) if you have a previous version installed, otherwise skip this step

When an older version is installed, follow this procedure:
- Start the WHS Console.
- Click on the button 'Settings'.
- Click on the tab 'Add-ins'.
- On the tab 'Installed', AutoExit should be listed.
- Click the button 'Uninstall'.
- After the uninstall has finished, a message will appear.
- Click 'OK' and re-login. The previous version of AutoExit will now be uninstalled.

Server Setup (clean)

- After downloading and unzipping the files, copy the file 'aewhs2009.msi' to the folder '\\server\software\add-ins'.
- Copy the files 'autoexitclient.exe' & 'Guideline.pdf' to the folder '\\server\software\AutoExit'.
- Start the WHS Console.
- Click on the button 'Settings'.
- Click on the tab 'Add-ins', you should see the following dialog:
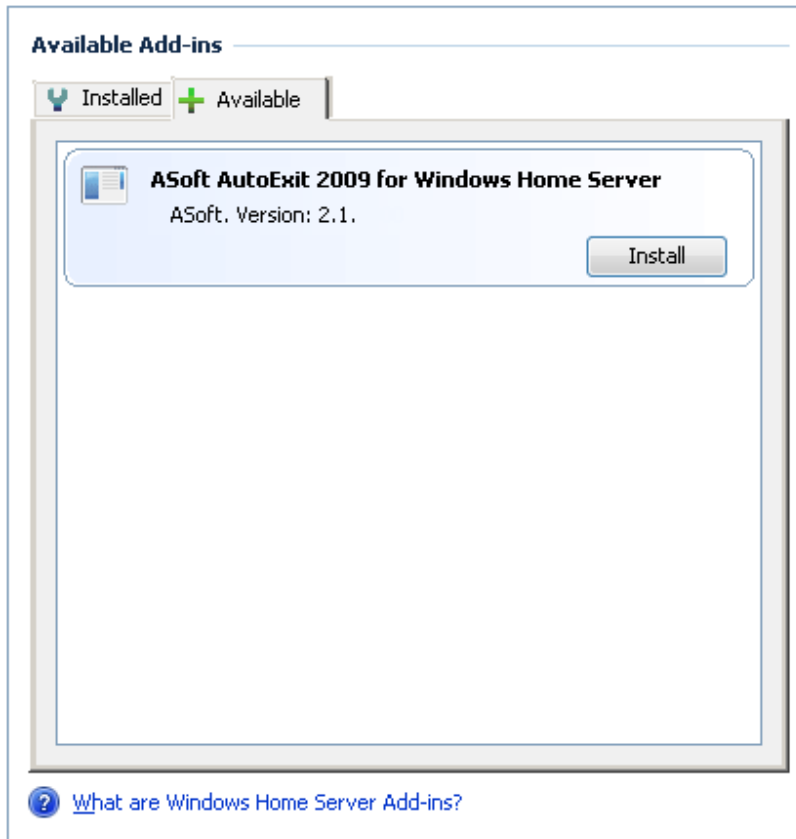
- Click the button 'Install'.
- After installation, this dialog will appear:
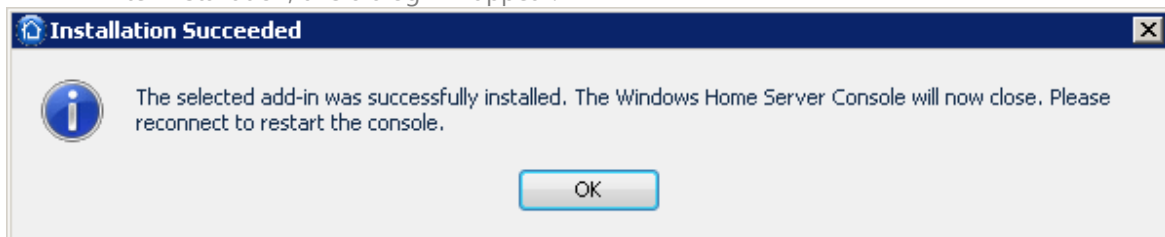
- Click 'OK' and re-login. AutoExit will now be installed.

Client Setup

- Go to your client machine.
- Open the Windows Explorer and go to the location: '\\server\software\AutoExit'.
- There should be a file called 'autoexitclient.exe'.
- Start it up and follow the instructions. A message should appear that the service was successfully installed.
- After installation an icon will appear in the system tray.

IMPORTANT NOTE ABOUT FIREWALLS
If you get a message from your firewall, Windows Defender or another security suite that an application is trying to make an outside connection then make sure that you ALLOW/ UNBLOCK it.
The client needs to have access to your local network and blocking it will make the client not function!

Sample from Windows Vista:
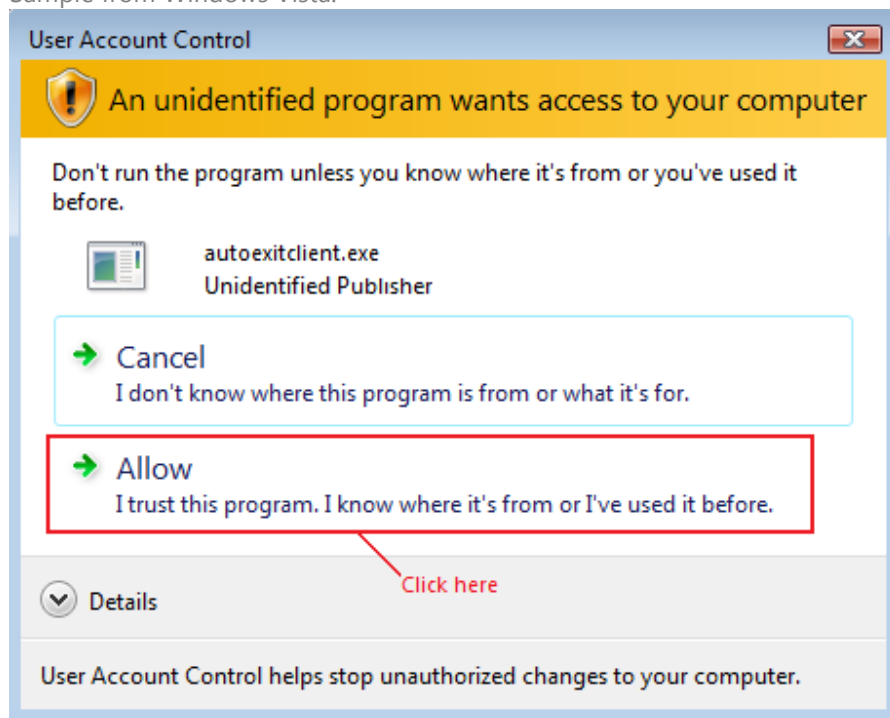
Click 'Allow' here.

Client Software

Cancel shutdown
If a client is being shut down by the server, then you can cancel it by clicking this option.
It can only be cancelled during the timeout that was set on the server!
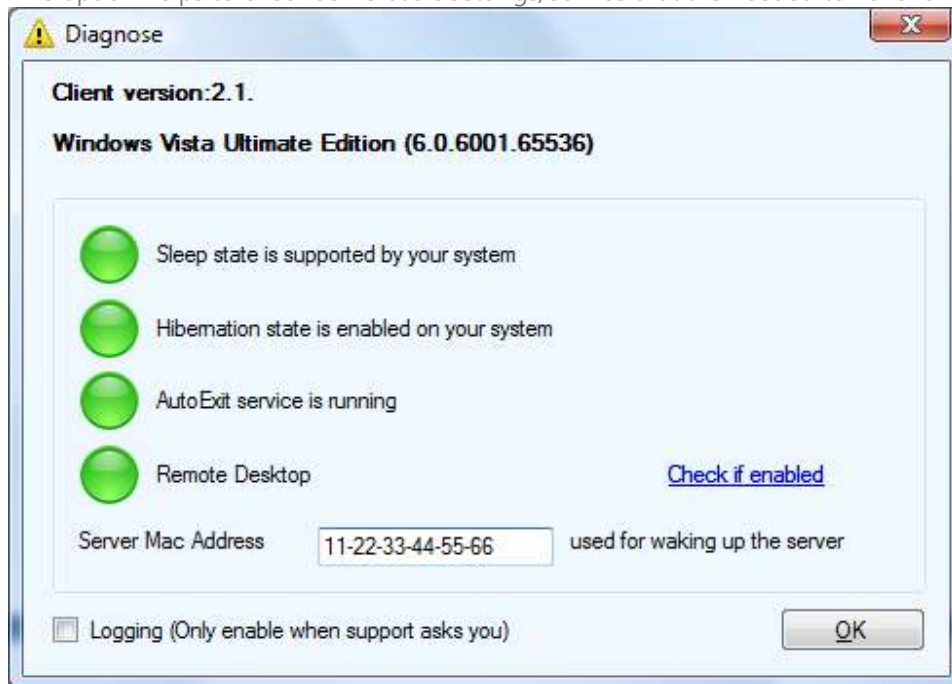
Wake up server now
Sends a Wake On Lan message to wake up the server.

Wake up server Automatically
Sends a Wake On Lan message automatically to wake up the server when the computer starts up.

Diagnose

This option helps to check some basic settings/service that are needed to have full functionality.

The client version is displayed.

The version of Windows that is installed is displayed.

If the state is supported then a green icon appears. If not a red one appears together with a link on what to do.

Sleep state	This option should be supported to support the sleep action.
Hibernation	This option should be supported to support the hibernate action.
AutoExit Service	This service is critical and should always be running; otherwise a lot of actions won't work.
Remote Desktop	Checks if Remote Desktop is enabled and if it is supported by the Windows Edition installed.
Server Mac Address	Fill in the mac address of the server, user for automatically waking up the server on start up. The Mac address is retrieved automatically when the field is empty.
Logging	When there is a problem, check on this checkbox. Doing so will enable AutoExit to write log files of all its actions. These log files are written to the folder 'c:\temp' on the client. The log files start with 'ae' as filename. If you have a problem, send over these files.
OK	Closes the dialog

Exit

Shut down the client application.

Console

After installation, there will be a new icon in the WHS console, called 'AutoExit'.

Server
Contains server specific actions.
- Remote Desktop
  Initiates a remote desktop session to the Windows Home Server.
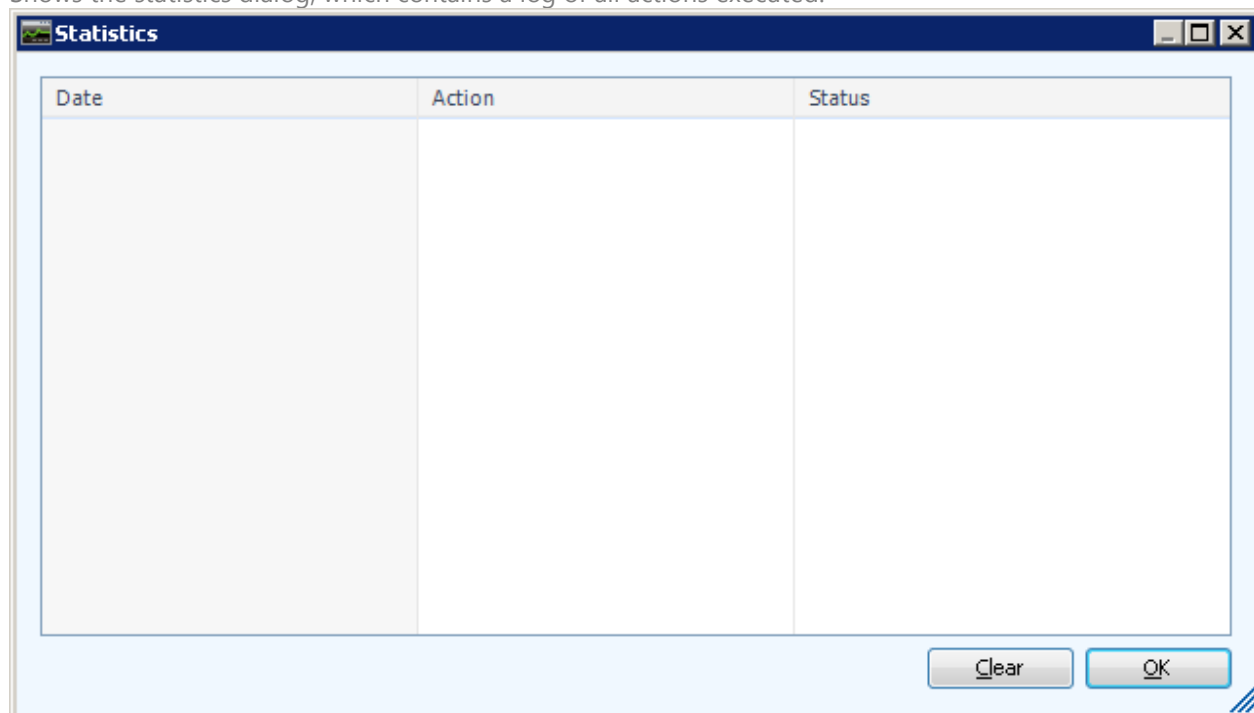- Shutdown
  Shut down or restart the server.

Refresh
Refreshes the list of clients, to update their status, ip address…

Settings
Opens the settings dialog, where you can configure different settings for the functions.

Statistics
Shows the statistics dialog, which contains a log of all actions executed.

About

Displays the about box, containing the version information.
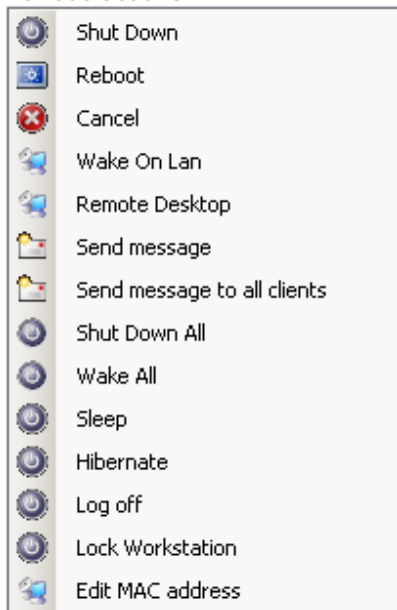You can check for updates by clicking the 'Update' button.
For more information on the 'Check for Updates' functionality, go to the 'Settings' paragraph.

Support AutoExit
Link to the ASoft website to support AutoExit.

Various actions

Shut Down
Shuts down the client completely

Reboot
Reboots the client.

Cancel
Cancels the current action that was executed, if it is done within the timeout that was set in the settings.

Wake On Lan
Wake up a client that is offline via Wake On Lan.

Remote Desktop
Initiates a remote desktop session to the selected client machine.
Following Windows versions do not support Remote Desktop:
- Windows XP Home
- Windows Vista Home Basic
- Windows Vista Home Premium
- Windows 7 Home Basic
- Windows 7 Home Premium

Send Message
Send a message to the client, when the client is installed, the following message will appear:
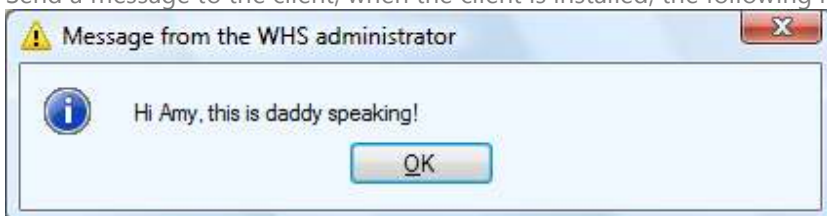
When the option 'Use Client' is off, then you will have to configure the messenger service on the client machine.
See the section 'Setup Messenger Service' below. From Windows Vista onwards this is not supported in this mode;
When the client is installed, no configuration has to be done on the client and all versions are supported.

Send Message to all clients
Send a message (like the Send Message feature) but to all clients.

Shut Down All
Shut down all client machines.

Sleep
Put a client machine to sleep.
Note: When you have problems that the machine does not go into sleep mode but hibernates, go to the section 'Problems / Questions'.

Hibernate
Put a client machine into hibernation mode. (If enabled)
Note: When you have problems that the machine does not go into hibernation mode but into sleep mode, go to the section 'Problems / Questions'.

Log off
Log off the current user.

Lock Workstation
Lock the client machine.

Edit MAC address
Edit a mac address of a client.
Sometimes it could be that the mac address of a client cannot be retrieved, in this case the mac address will be 00:00:00:00:00:00. You can then edit it manually via this option.
To retrieve the mac address of you client:
- Click on the 'Start' button.
- Go to the run menu.
- Type 'cmd' and press 'enter'.
- Type 'ipconfig /all'.
Now there should be a physical address containing the mac address.
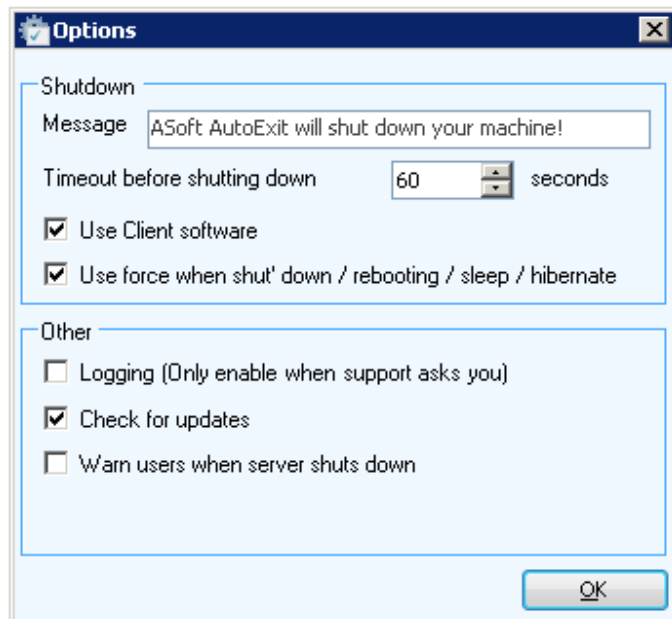Use that one to fill in.
If there are more than 1 mac addresses you can separate them via ';'.
For Example: 11:22:33:44:55:66;AA:BB:CC:DD:EE:FF

When the field is cleared, then the manually set mac addresses will be deleted and AutoExit will try to get it automatically again.

Settings

Message
Message that will be displayed to the user, when the client machine is shutting down.

Timeout before shutting down
Timeout were you can still cancel the action that was initiated.

Use Client software
When checked on, then AutoExit will execute the action via the client software on the client machines.
If it is not installed, then the action will fail. If the option is off, then the client software isn't needed.
This setting is global.

Use Force when shutting down / rebooting / sleep / hibernate
When checked on, the clients will shutdown / reboot by closing all applications with force.
If the application doesn't respond positive within a certain timeout then it will be terminated with force.

Logging (Only enable when support asks you)
When there is a problem, check on this checkbox.
Doing so will enable AutoExit to write log files of all its actions.
These log files are written to the folder 'c:\temp' on the server.
The log files start with 'ae' as filename.
If you have a problem, send over these files.

Check for updates
When checked on, AutoExit will check for a new update when the user logs onto the console.
When an update is found, the user will be presented a message box:
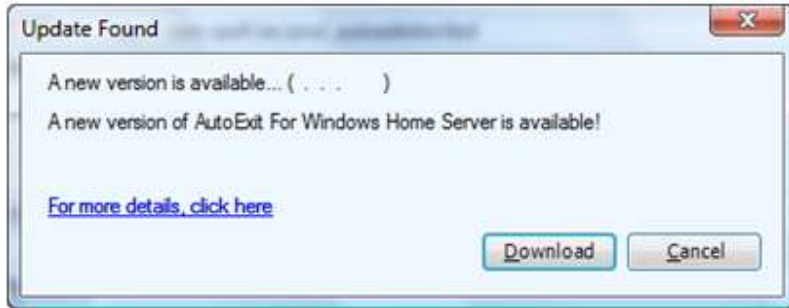
This dialog shows the new version that is available.

Clicking the link 'For more details, click here' opens the product page where you can find more details about the new release.

Click the button 'Download' to download the new installer to the Software/Logiciel folder on the server. If neither exist, a dialog will be shown to browse for a folder.

Warn users when server shuts down
When enabled, a message is sent to all clients when the server is shutting down.

Important
Do not save the new installation file over the existing one in the addins folder: \\server\sofware\addins.
Doing so will make the de-installation of the previous version impossible!
So download the file to a temporary location on your server and then uninstall the previous version before installing the new one.

Click 'Cancel' to ignore the message.

Setup Wake On Lan

Enable Wake On Lan
1. First enable WOL in your BIOS (for details on how to do this lookup in the manufacturers guide)
2. Now enable WOL in Windows (XP):
   - Open the start menu.
   - Select 'Settings > Control Panel'.
   - Go to 'System' (or skip the previous steps by pressing WINDOWS + Break).
   - Go to the 'Hardware' tab and click 'Device Manager'.
   - Expand the 'Network Adapters' section.
   - Right click your adapter and select 'Properties'.
   - Go to the 'Advanced' tab.
   - Select 'Wake on LAN Options' and click 'Properties'.
   - Set the following option 'Enable PME' to Enabled.
   - Set the following option 'Wake on Settings' to 'Wake on Magic Packet'.
   - Set the following option 'Wake Up Capabilities' to 'Magic Packet'.
   - Set the following option 'Wake From Shutdown' to 'On'.
   - Go to the 'Power Management' tab.
   - Check on the checkbox 'Allow this device to bring the computer out of standby' or 'Allow this device to wake the computer'.
   - Click 'OK'.

If you want to use a different port to send to (default = 9), follow this Procedure.
This is applicable for the server side and the client side.
1. Open the Registry Editor.
2. Navigate to the key 'HKLM\Software\ASoft\AutoExit'.
3. Create a string value with name 'WOLPort'.
4. Fill in the port number. E.g. 9

This procedure can be a bit different according to your configuration / version of Windows, some settings will not be available.
Sometimes a cable has to be connected on the motherboard or new drivers have to be installed.
Make sure that you first double-check with the manufacturer guide and settings that it is configured correctly.
The procedure matches the one on Windows Vista & Windows 7, but with some UI differences.
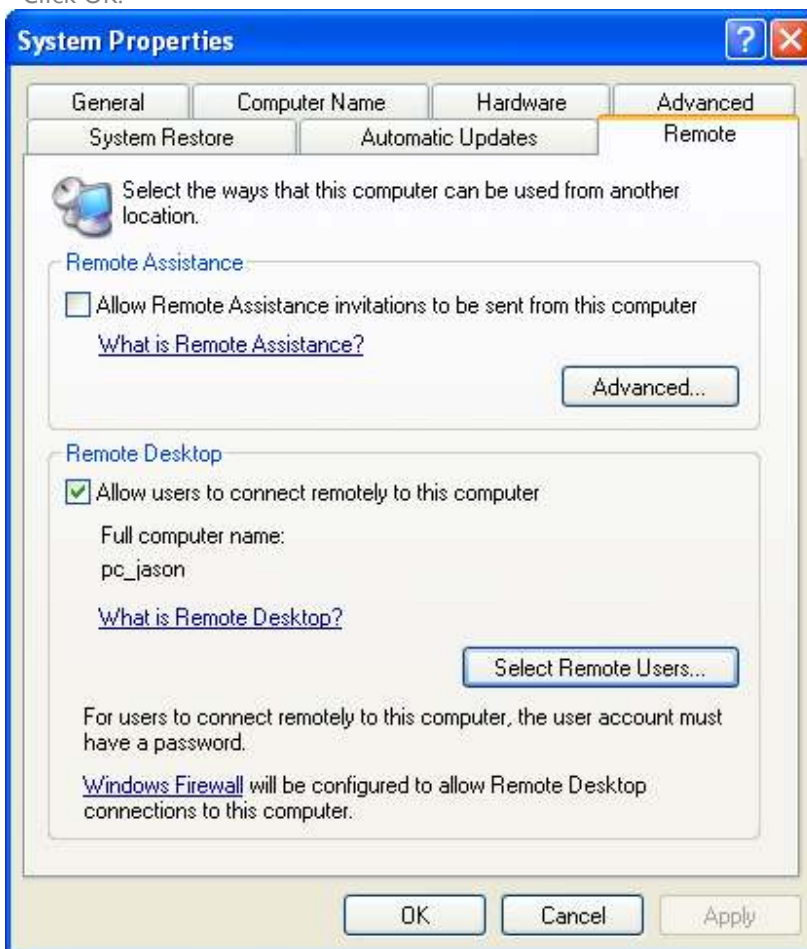
Setup Remote Desktop

Following Windows versions do not support Remote Desktop:
- Windows XP Home
- Windows Vista Home Basic
- Windows Vista Home Premium
- Windows 7 Home Basic
- Windows 7 Home Premium

1. Windows XP:
   - Open the start menu.
   - Select 'Settings > Control Panel'.
   - Go to 'System' (or skip the previous steps by pressing WINDOWS + Break).
   - Click the 'Remote' tab and, set the checkbox 'Allow users to connect remotely to this computer' to on.
   - Click OK.

   - Click 'Select Remote Users'.
   If you are an administrator on the computer, your current user account will automatically be added to the list of remote users and you can skip the next three steps.
   1. In the Select Remote Desktop Users dialog box, click Add.
   2. In the Select Users or Groups dialog box, do the following:
      To specify the search location, click Locations, and then select the location you want to search.
      In Enter the object names to select, type the name of the user that you want to add, and then click OK.
      The name will be displayed in the list of users in the Remote Desktop Users dialog box.
   3. Click 'OK'.

- Next, make sure you have Windows Firewall set up to allow exceptions.
- In the 'Control Panel', click 'Security Center'.
- Under 'Manage security settings for', click 'Windows Firewall'.

- Make sure the 'Don't allow exceptions' checkbox is not selected.
- Click the 'Exceptions' tab, and verify that the 'Remote Desktop' check box is selected.


- Click OK, and then close the 'Windows Security Center' window.
- Your host computer is now set up to allow remote access.

2. Windows Vista:
   - Open the start menu.
   - Select 'Control Panel'.
   - Go to 'System and Maintenance' and click on 'System' (or skip the previous steps by pressing WINDOWS + Break).
   - In the 'Tasks', click 'Remote Settings'.
   - Click the 'Remote' tab, set the radio button 'Allow connections from computers running any version of Remote Desktop (less secure)' to on.
   Or set the radio button 'Allow connections only from computers running Remote Desktop with Network Level Authentication (more secure)' to on.

3. Windows 7:
   - Open the start menu.
   - Select 'Control Panel'.
   - Go to 'System and Security (or skip the previous steps by pressing WINDOWS + Break).
   - In the 'Tasks', click 'Remote Settings'.
   - Click on 'Remote settings' in the left pane and set the radio button 'Allow connections from computers running any version of Remote Desktop (less secure)' to on.
   Or set the radio button 'Allow connections only from computers running Remote Desktop with Network Level Authentication (more secure)' to on.
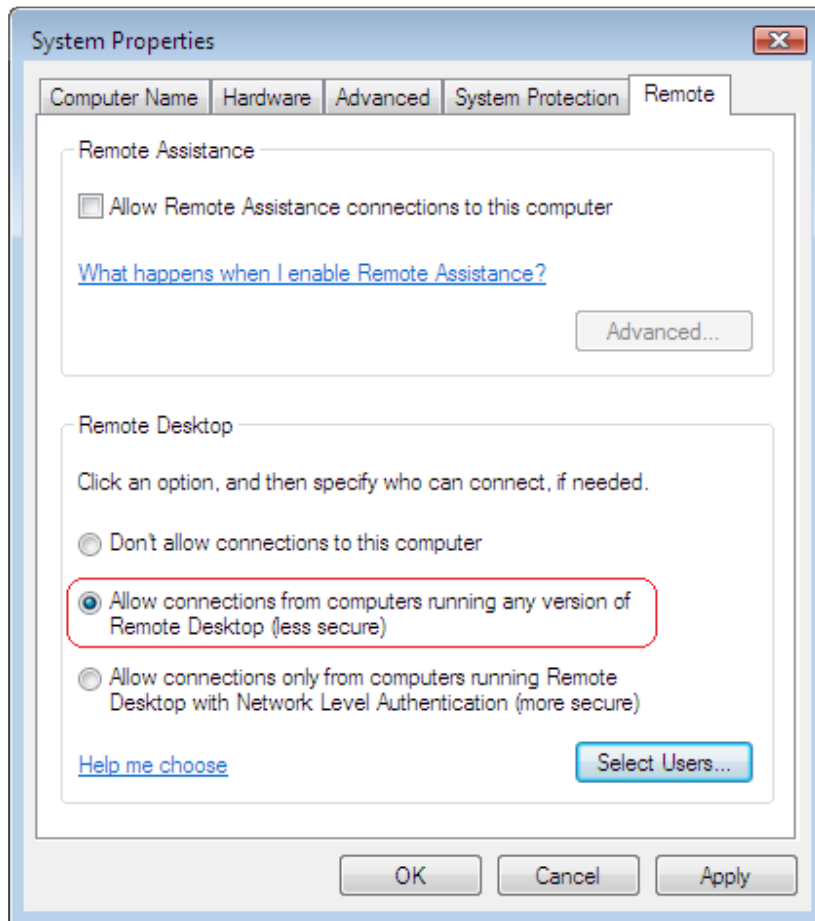
Click 'Select Users', if you are prompted for an administrator password or confirmation, type the password or provide confirmation.

If you are an administrator on the computer, your current user account will automatically be added to the list of remote users and you can skip the next three steps.

1. In the Remote Desktop Users dialog box, click Add.
2. In the Select Users or Groups dialog box, do the following:
   To specify the search location, click Locations, and then select the location you want to search.
   In Enter the object names to select, type the name of the user that you want to add, and then click OK.
   The name will be displayed in the list of users in the Remote Desktop Users dialog box.
3. Click 'OK'.

Next, make sure you have 'Windows Firewall' set up to allow exceptions.
- In the 'Control Panel', click 'Security Center'.
- Click 'Windows Firewall'.
- Click 'Allow a program through Windows Firewall'. (matches the dialog from Windows XP)
- Click the 'Exceptions tab', and verify that the 'Remote Desktop' checkbox is selected.
- Click OK, and then close the 'Windows Security Center' window.
- Your host computer is now set up to allow remote access.

Setup Messenger Service (only needed if the client software isn't installed)

Microsoft disabled this feature from Windows XP SP2 onwards, so it has to be enabled manually.
Following Windows versions do not support the Messenger Service:
-   All versions of Windows Vista and up.
If you want to circumvent these limitations, make sure that you install the client software.

- Click on the 'Start' button.
- Select the 'Run' menu item in the Start menu.
- Now type in the Run dialog: services.msc /s and click 'ok'. (The 'Services' dialog will appear.)
- Search for the item 'Messenger' and select it.
- Click on the 'Properties' button on the toolbar.
- Set the 'Startup type' to 'automatic' and click the 'Start' button.
- Click the 'Apply' button.
- Now retry sending the message.

Setup Hibernation

Windows XP:
- Open the start menu.
- Select 'Settings > Control Panel'.
- Go to the 'Power Options'.
- Select the 'Hibernate' tab.
- Check on the checkbox 'Enable hibernation'.
- Click 'ok'
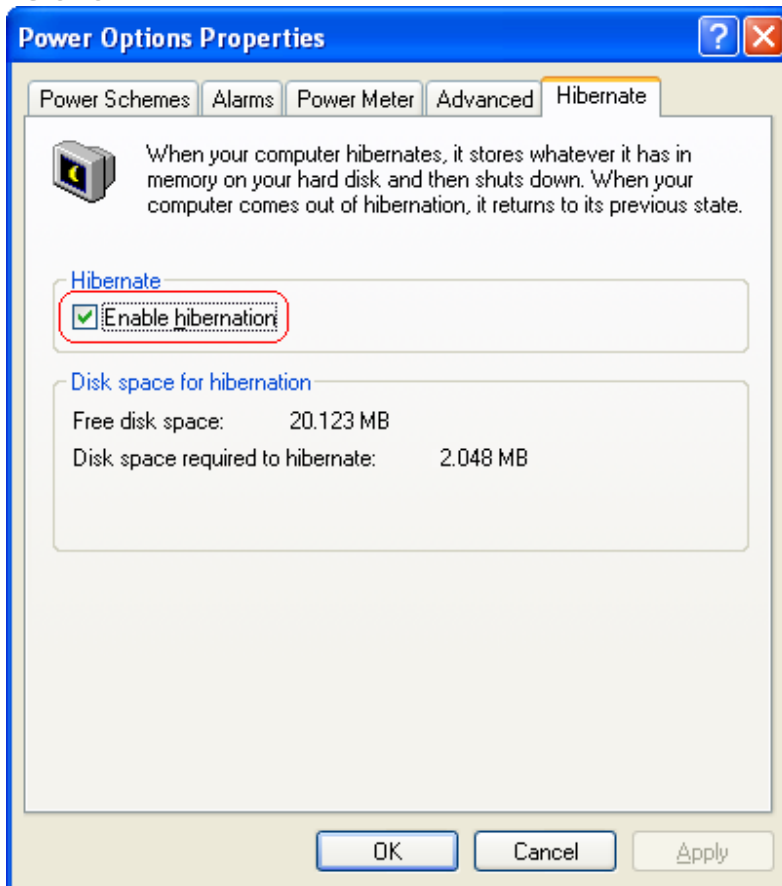
If the tab does not exist, then it means that hibernation is not supported by your system.

1. Windows Vista / Windows 7:
   - Open the start menu.
   - Type in: cmd
   - In the search result list, right-click 'Command Prompt' and select 'Run As Administrator' in the menu.
   - When you are prompted by the User Account Control, click 'Continue'.
   - At the command prompt, type in: powercfg.exe /hibernate on and press 'enter'.
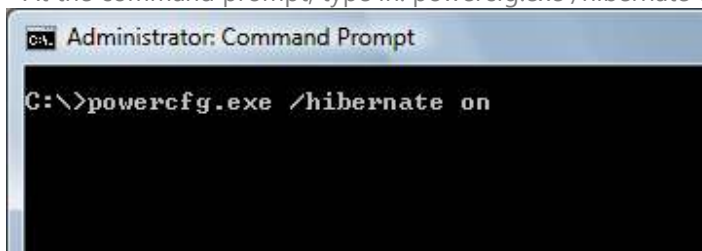
Problems / Questions

<u>When a machine is locked, can I...</u>
- send a message?
  Yes, when you log on again, the message will display.
- log off?
  Yes
- shut down / restart / log off / hibernate / sleep / cancel?
  Yes
- unlock it?
  No

<u>When a user is logged off, can I...</u>
- send a message?
  No
- can I shut down / restart / hibernate / sleep / cancel?
  Yes

<u>Problems shutting down (when not using the client software) / Setting up machine for shut down without the client</u>
<u>When the client is not used, there is some set up work to be done on the client machines.</u>

Following Windows versions do not support this procedure:
- Windows XP Home
- Windows Vista Home Basic
- Windows Vista Home Premium
- Windows 7 Home Basic
- Windows 7 Home Premium

You should make sure that the administrator user account that you are using on the Windows Home Server Console has administrator privileges over the client machine.
1. Windows XP:
   - Go to 'Start > Settings > Control Panel > Administrative Tools.
   - Open 'Computer Management' and open the tree 'System Tools\Local Users and Groups\Users'.
   - Select the same user and right click 'Properties'.
   - Go to the tab 'Member Of' and add the group 'Administrators'.
   - The name of the account and the passwords on the clients, much match with the users on the WHS!

2. Windows Vista:
   - Go to 'Start > Control Panel > System and Maintenance > Administrative Tools > Computer Management.
   - Open 'Local Users and Groups' and select 'Users'.
   - Select the same user and right click 'Properties'.
   - Go to the tab 'Member Of' and add the group 'Administrators'. The name of the account and the passwords on the clients, much match with the users on the WHS!

3. Windows 7:
   - Go to 'Start > Control Panel > System and Security > Administrative Tools > Computer Management.
   - Open 'Local Users and Groups' and select 'Users'.
   - Select the same user and right click 'Properties'.
   - Go to the tab 'Member Of' and add the group 'Administrators'. The name of the account and the passwords on the clients, much match with the users on the WHS!

Now check the firewall for file sharing:
1. Windows XP

- In the 'Control Panel', click 'Security Center'.
- Under 'Manage security settings for', click 'Windows Firewall'.

- Make sure the 'Don't allow exceptions' checkbox is not selected.
- Click the 'Exceptions' tab, and verify that the 'File and Printer Sharing' check box is selected.

- Click OK, and then close the 'Windows Security Center' window.
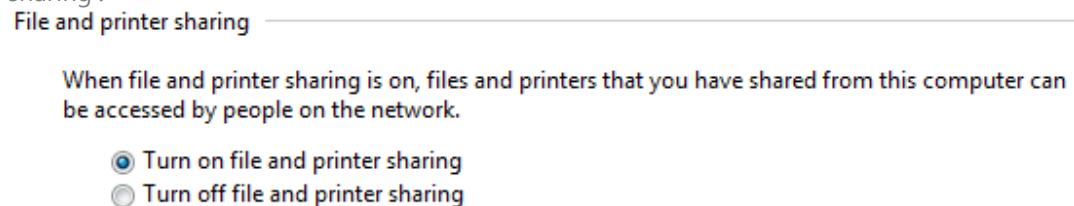
2. Windows Vista:
   - Open the start menu.
   - Select 'Control Panel'.
   - Go to 'Network and Sharing Center' and check on the checkbox 'File Sharing'.

3. Windows 7:
   - Open the start menu.
   - Select 'Control Panel'.
   - Go to 'Network and Internet'
   - Go to 'Network and Sharing Center'
   - Click on 'Change Advanced Sharing Settings' in the left pane and set the radio button 'Turn on file and print sharing'.

When the problem persists:
- Go to 'Start > Settings > Control Panel > Administrative Tools > Local Security > Policy > Local Policy'.
- Highlight the Security Options item in the left pane.
- In the right pane, locate the item titled "Network access: Sharing and security model for local accounts."
- The default option for this is: "Guest only - local users authenticate as Guest."
- Switch this option to: "Classic - local users authenticate as themselves."

Problems with Sleep / Hibernate Client
A few machines have problems with hibernation and/or sleep.
The machines does the opposite action or even does nothing in some cases.
A lot of research has been done to get this fixed, but even other tools don't manage to get it working.
We assume that this is some very specific bug in Windows due to some very specific setup and at the moment it can't be fixed.

Problems with Wake On Lan
Have a look in the section 'Setup Wake On Lan'.
This is usually caused by some setting that isn't correct or enabled.
Follow the procedure described and retry.

Message didn't arrive at the client...
When using the option 'Use Client', it could be that another user is logged onto the machine and the client isn't started.
If the users have switched than the message will appear when you switch to your account.

An error '2273' appears after executing a 'Send Message' command
Go to the section 'Setup Messenger Service'.

An error '998' appears after executing an action
Contact us, see the 'Contact Information' section.

Client gets corrupted after a backup restore
After doing a restore, it could be that for some reason the client gets corrupted. If you have problems with the client after a restore contact us with the message and symptoms.

Machine wakes up after a few seconds when going to sleep mode
First of all check that the sleep option works from the machine itself.

This can be caused by some settings of the network card.
- Go to the 'Control Panel' and select 'Device Manager'.
- Go to 'Network Adapters' and select your network card.
- Right click and select 'Properties'.
- Go to the tab 'Advanced'.
- Check if there is a setting called 'Wakeup On Link Change', it should be disabled.
- Check if there is a setting called 'Wakeup on ARP/Ping', it should be disabled.
If both are disabled then the PC should stay asleep.

How to remove a duplicate entry in the 'Available Add-ins' dialog.
Sometimes because of a mistake by installing AutoExit manually on the server or by a problem with installation it can occur that an entry isn't removed from the list of available add-ins. When installing a new version of AutoExit, there will be 2 entries in the list.
To remove the old entry, follow this procedure:
Write down the exact name of the add-in. For example 'ASoft AutoExit 2009 for Windows Home Server' Version 2.0.1.1155.

Go to the Home Server either through a Remote Desktop connection or at the machine itself.
- Click on the 'Start' button.
- Go to the run menu.
- Type 'regedit' and press 'enter'.
- Navigate to the key: 'HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows Home Server\RegisteredAdditions'.
- Go to the subfolder that references the name you wrote down.

- Right click on that folder and delete it.
- If the WHS Console is open, close and reopen it.
- Close the Remote Desktop session.

Contact Information

General Questions and Info
[Feedback (http://www.asoft-ware.com/prod_feedback.php](http://www.asoft-ware.com/prod_feedback.php)

Main Website
http://www.asoft-ware.com
Download the newest versions, get information, updates...