

AX Enterprise



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Web server Guide

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AX Enterprise system installation check list

1. Operating system, latest service pack and windows updates. (Activated)	
2. Reset password rescue disks for windows 2008	
3. Internet explorer 8 (not internet explorer 9)	
4. IP address (Static) gateway and mask set,	
5. IP address _____.____.____.____	
6. IIS and media player installed, (refer to documentation)	
7. Sub net mask _____.____.____.____	
8. AX200 installed (refer to documentation)	
9. Gateway _____.____.____.____	
10. AX Enterprise installed (refer to documentation)	
11. DNS (if applicable) _____.____.____.____	
12. Firewall and ports (Ports 5000, 50010, 50011, 4372 = UDP and 50505, 4783, 4782 = TCP)	
13. Anti-Virus Software	
14. Remote access set up	
15. Team viewer plus password and reset, Remote support package	
16. Windows log file check for errors and unregistered components	
17. Back up path	
18. License file for AX Enterprise or Dongle	
19. IP Camera test (Photo ID)	
20. Restart PC and test correct operation and check windows log file	
21. Rescue disks and full system back up	

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Installation

Requirements and Preparation

Hardware:

Minimum PC Specification

Processor: Dual Core 2.13 GHz or higher—Quad Core 2.0 GHz recommended

RAM: 2GB—4GB recommended

Hard Disk: 4GB of free disk space (dependant on size of database and amount of backups)

Gigabit Ethernet Network Card

CD ROM Drive

Screen resolution: 1024 x 768

Operating System:-

- Windows Server 2003 (SP2)
- Windows XP
- Windows Server 2008, Windows Server 2008 (R2)
- Windows Vista
- Windows 7

Internet Information Services (IIS) v6 for Windows XP/Server 2003

Internet Information Services (IIS) v7 for Windows 7/Server 2008

AX Enterprise will only run on computers able to run IIS (Internet Information Services). IIS must be installed before AX Enterprise is installed.

1. Install IIS on your server
2. Install AX200 software

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AX Enterprise Installation on Windows Server 2003

Configuring IIS 5.1, IIS 6

IE 5 and above

Instructions for installing IIS on Windows Server 2003 (This step can be omitted if IIS is already installed except step 13, 14, 15)

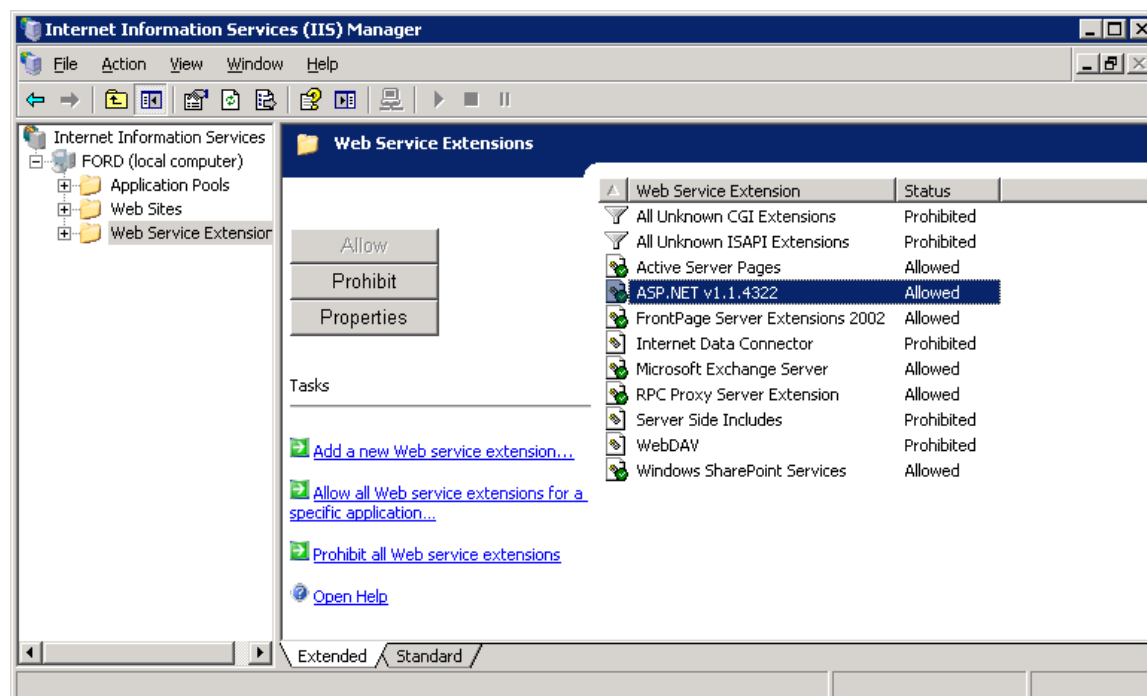
1. Install Windows 2003
2. Click Start
3. Control Panel
4. Add/remove programs
5. Add/remove windows components
6. Select Application Server, click on details and tick Internet Information Services.
7. Press OK
8. Click next
9. Once it is installed, Click Start.
10. Admin services
11. Services
12. Find Internet information services and stop this service and associated services (http ssl &web publishing).
13. go to c:\windows\system32\inetsrv, open metabase.xml
14. Edit the line "AspMaxRequestEntityAllowed" and change the value to 1073741824.(Windows 2003)
15. To enable asp service, open IIS Manager, expand the master server node (that is, the Server name node), and then select the **Web service extensions** node. In the right pane of IIS Manager, right-click the extension **Active Server Pages** to enable. Click to select the **Allow** check box.
16. Go back to start, admin services, services, and restart IIS, http ssl, and web publishing.

To install Enterprise:

1. Install AX200 software (if not previously installed). Right click on AX200 folder and go to properties security tab and add internet guest account (which is IIS user usually IUSR_SERVERNAME by default) and set permission to full control then go to security tab and give full control permission to IIS user. To check IIS User, go to Control Panel--- Administrative Tools---IIS manager. Expand local computer---websites. Right click on default websites properties. Go to directory security tab, under authentication and access control click on edit. Under enable anonymous access which will be ticked, you can get user name.
2. Install Enterprise by clicking on setup.exe from USB dongle.
3. Once installed go to default install directory C:/program files/card Manage folder and double click on CreatellS.vbs which creates virtual directory named AX200Enterprise (To check virtual dir go to Control Panel--- Administrative Tools---IIS manager. Expand local computer---websites---under default websites you will see AX200Enterprise mode. This is where all web files are pointed. You can right click on file default.asp and click browse on right window pane to get to page) then double click on Acl.bat which will set user rights.

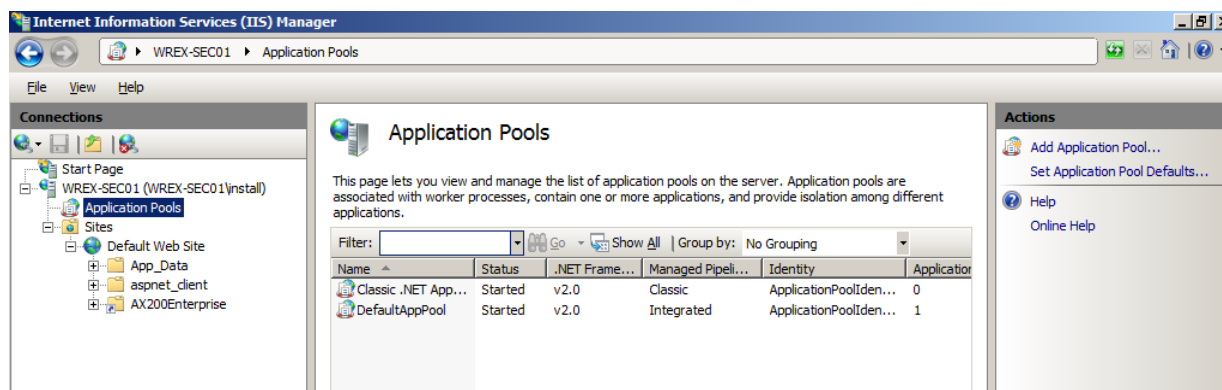
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4. Browse to USB dongle and from the folder Upload double click on the file named upload.msi
5. Please click on allow asp in web service extensions as in the figure below.



6. Applicable to Windows Server 2003 64 bit only:
To run enterprise in windows server 2008 (64 bit) OS

You have to set the application pool to 32 bit as enterprise uses 32 bit dlls. To do that Go to IIS-->Click on Application pool



On the action pane select Set Application Pool Defaults
Change Enable 32-Bit Application to True

Now check if you can browse to the webpage by <http://server name/Ax200Enterprise> or follow, how to browse on step 3 above.

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Internet explorer settings on the client PC windows

1. Runs on IE 5 and above. Open browser go to tools→internet options→select advanced tab, under **multimedia** check **Play animations in web pages** click OK and restart browser.
2. On IE 7 check **XMLHTTP** under security in tools→internet options→ advanced tab

Since photo ID uses controls to be downloaded to client PC, the client PC internet explorer should have following settings

- Go to Tools—Internet options---security tab—trusted sites. Click on Sites add this site (ex: <http://<server ip>>). Uncheck Require server verification (https:) before adding site. Click OK
- Click on custom level. Under ActiveX controls and plug-ins please check the following settings

Automatic prompting for ActiveX controls	:Enable
Download signed ActiveX controls	:Enable
Download unsigned ActiveX controls	:Enable
Initialize and script ActiveX controls not marked As safe	:Enable
Run ActiveX controls and plugins Script	:Enable
Script ActiveX controls marked safe for scripting	:Enable

For photo ID go to cardholder page, enter employee id and click search, then click on photo ID link on the cardholder web page. The controls should download to be installed. Click to install or run added ones, If you see click here to install photo ID link then click on it to install. After install close the page and go back to cardholder page and click on photo ID link.

To run:

1. Run AX200 software
2. Run card manage, type in the IP address of the AX200 server as remote IP and AX200 folder path in second text box click on connect. You will see all transactions coming from the iBox on the form.
3. Now browse the URL <http://hostname> or IP address /virtual dir

<http://server> name/Ax200Enterprise or

<http://ip> address of server/Ax200Enterprise. If IP is set in IIS manager default website IP address (web site tab)

Troubleshooting:

This should be followed after you have done all the required steps above.

A. If, when uploading floor plan, it gives an error object required then please do the following:

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Please check images folder in card manage security tab if IUSR_server name is added as full control, if it is not then add. Then register ASPFileUpload.dll by regsvr32 c:/programfiles/cardmanage/ASPFileUpload.dll

Try uploading floor plan again.

If it still does not upload, then follow instructions below:

1. Click Start, point to Settings, and then click Control Panel.
2. In Control Panel, click Administrative Tools, and then click Component Services to open Component Services in the Microsoft Management Console (MMC).
3. Expand the Component Services node, the Computers node, the My Computer node, and the COM+ Applications node.
Check if Upload node is there. If not then go to upload folder on dongle and double click upload.msi.
Check again Component services list.

Try uploading floor plan again.

If it still does not appear, check the following

Right click on Upload go to properties.
Un-tick enforce access checks for this application
Try uploading floor plan again.

Right click on Upload go to properties.
Under identity tab, select network service instead of Interactive user.
Try uploading floor plan again.

If the above steps do not solve the problem then delete Upload node and follow the instructions below

COM setting

1. Click Start, point to Settings, and then click Control Panel.
2. In Control Panel, click Administrative Tools, and then click Component Services to open Component Services in the Microsoft Management Console (MMC).
3. Expand the Component Services node, the Computers node, the My Computer node, and the COM+ Applications node.
4. Right-click the node, point to New, and then, Click Application.
5. In the Install or Create a New Application dialog box, click Create an empty application, name the application as Upload, make sure that you click to select Server application and then click Next.
6. In the Set Application Identity dialog box, click current logged on user. The user account must have Write access to the folder that will receive the uploaded file. Make sure it has Creator Owner role. Click Next, under add users to roles, and add IIS (Usually starts with IUSR_SERVERNAME).
7. Click Finish.
8. Expand the node that you have just created for this application.
9. Right-click the node, point to New and then click Component.
10. Click Install new components, and locate the folder where you have saved and registered the .dll file (which is c:/program files/card manage/AspFileUpload.dll), click the file, click next, and then click finish.

A large picture file can create problem on uploading in windows 2003. Please follow instructions 13 and 14 above of **Instructions for installing IIS on Win 2003**

If login page does not show (which is the default page) when you browse then please check step 15 of **Instructions for installing IIS on Win 2003**

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It is better to restart IIS after changes done. If you go to IIS manager—highlight default websites. On top you see play and stop button.

If card manage software gives automation error then please re-register all dlls in the folder like AX200.dll, PrjXML.dll, ASPinterface.dll, double click on TXserver.exe

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AX Enterprise Installation Windows Server 2008

Configuring IIS 7

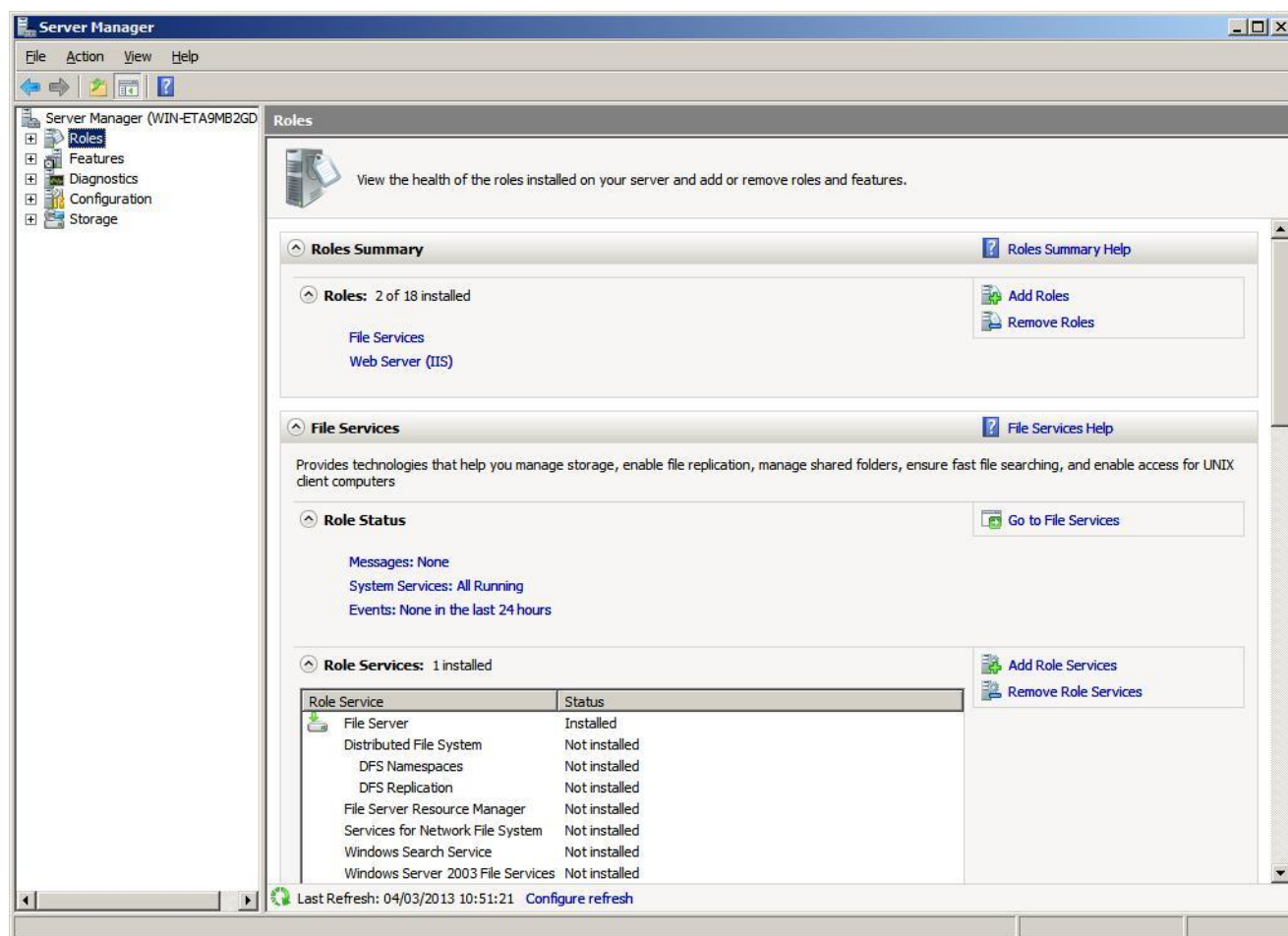
This applies to Windows Server 2008, please follow the instructions below.

Do not install the AX200 or the AX Enterprise, as you will be prompted later in this document.
A static IP address is required. Ensure a static IP has been done before proceeding

To Install IIS 7

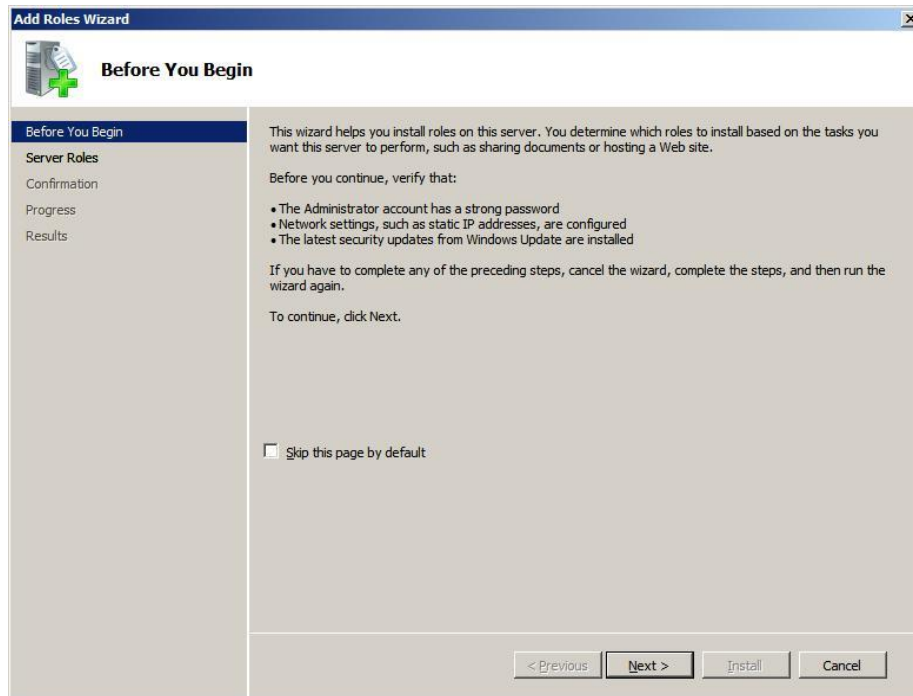
You must be a member of the Administrators group to install IIS 7.

1. Click **Start** and then click **Control Panel**.
2. In Control Panel, click **Programs and Features** and then click **Turn Windows features on or off**, found on the left hand column.



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- Click on the Roles in the left hand column, and wait for it to load and then click on Add Roles.



Check the Role Wizard, Pre-requisites are complete, then click Next

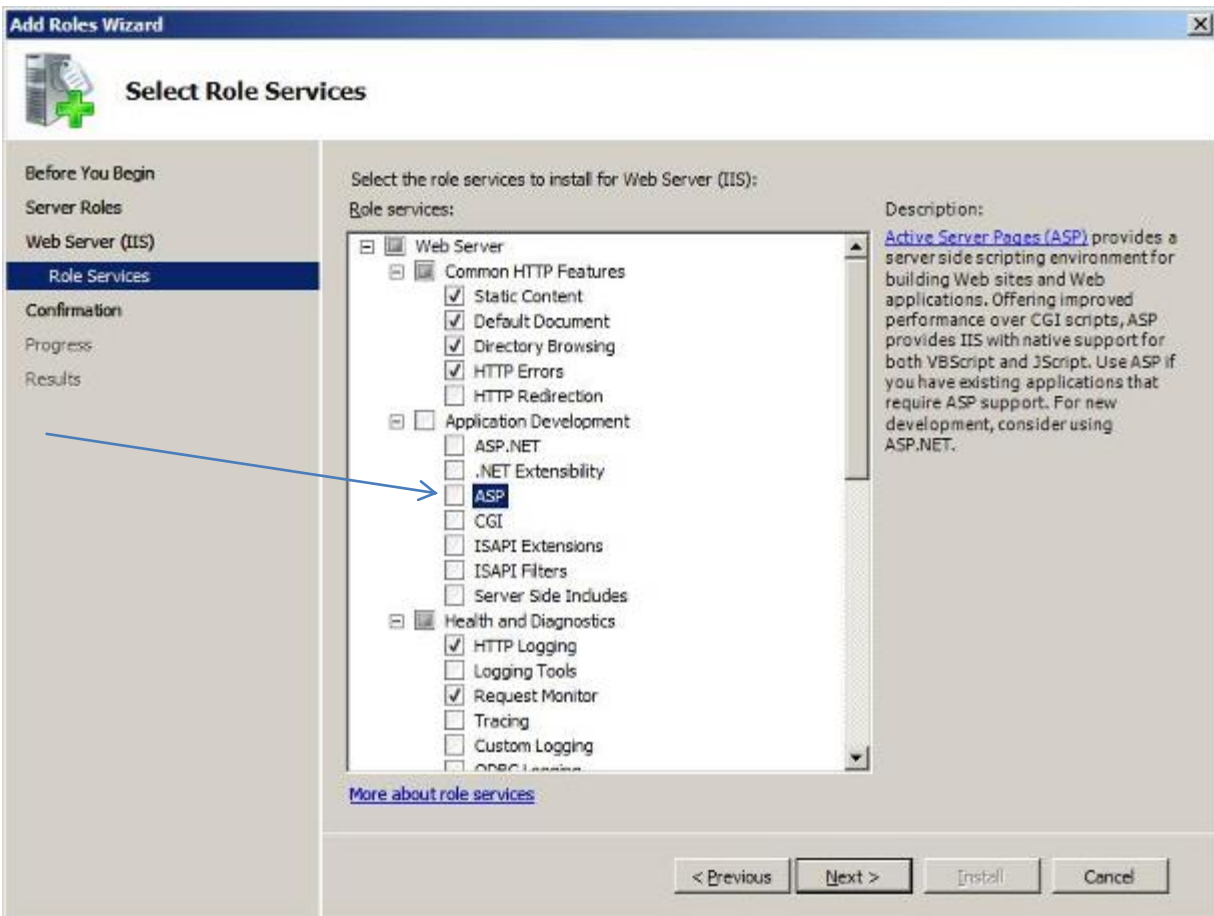
- Find the Web Server (IIS) in the list and tick the box. Click Next.
- If the screen below appears after you press next, you also need to install these features, marked below. Click Add Required Features.



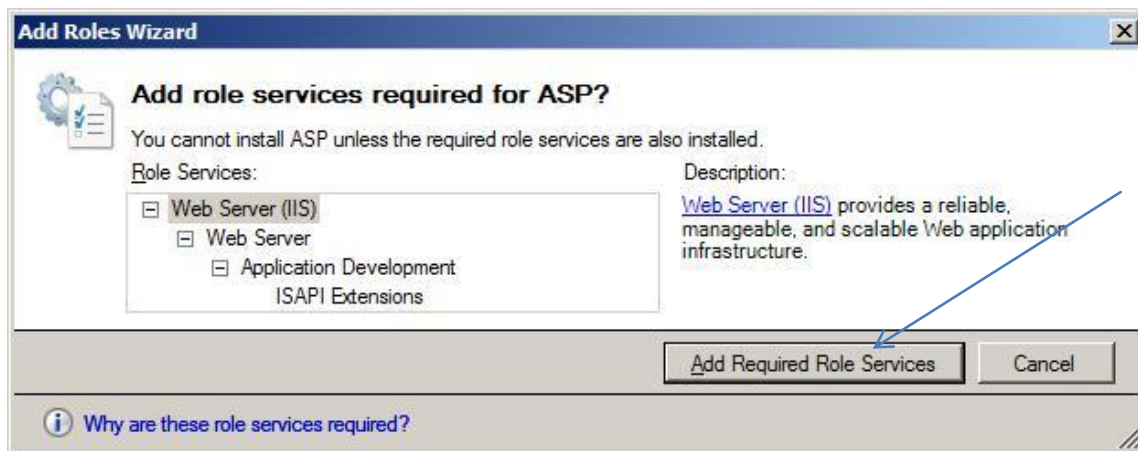
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6. Select Role Services in the left-hand Window pane. The next step, you have to select is which of the services are needed to install with IIS:

Tick the box ASP from the list



When you tick ASP box it will prompt you to add these Role Services, click Add required Role Services.



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From the list, ensure all of the following are selected:

Management Tools

- IIS Management Console

Application Development Features

- ASP
- ISAPI Extensions

Common HTTP Features

- Default Document
- Directory Browsing
- HTTP Errors
- Static Content

Health and Diagnostics

- HTTP Logging
- Request Monitor

Performance Features

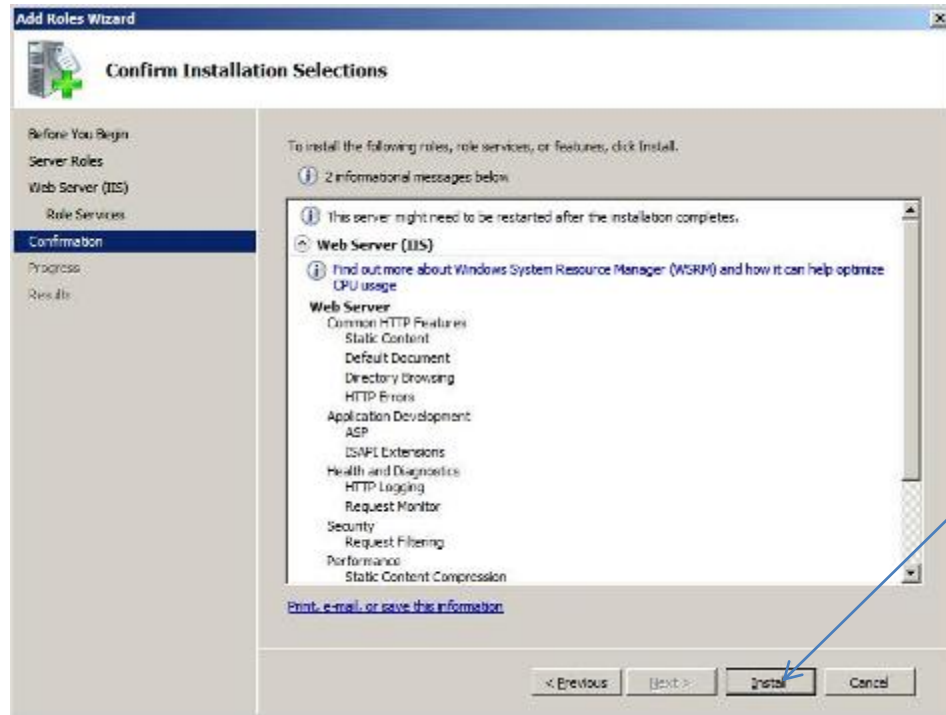
- Static Content Compression

Security

- Request Filtering

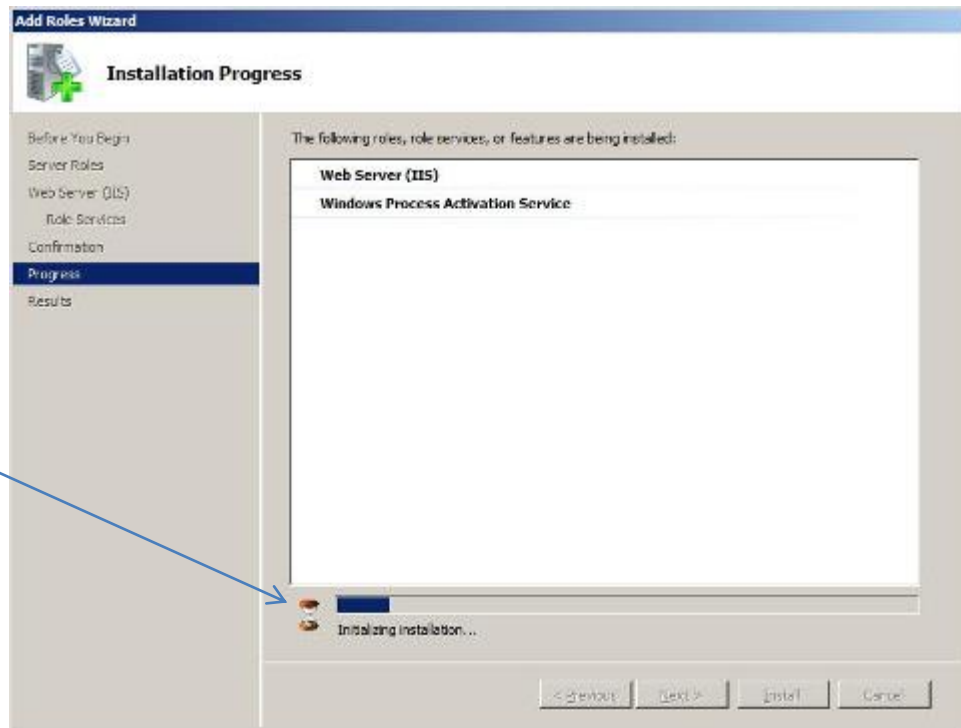
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- When you have ticked the correct boxes press next at the bottom of the screen, the screen below will appear. Review the correct items are selected and press install.

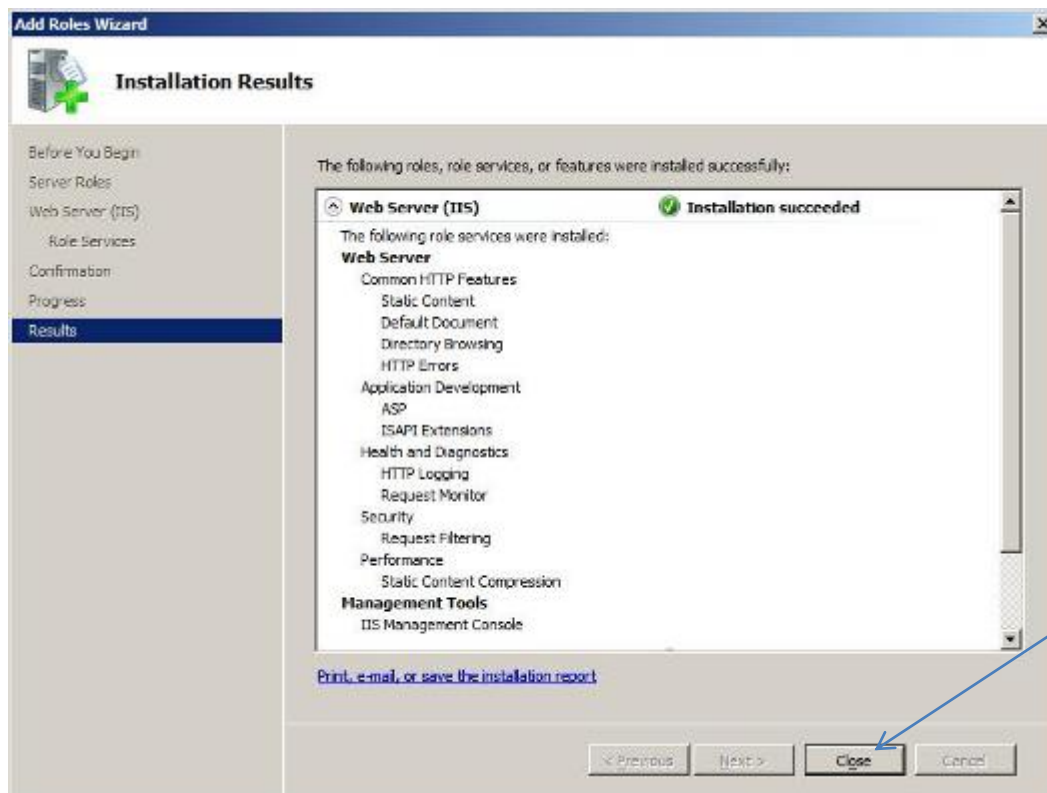


- This screen shows you the progress of the installation.

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9. An installation result will indicate that you have successfully installed Web Server (IIS). Click close



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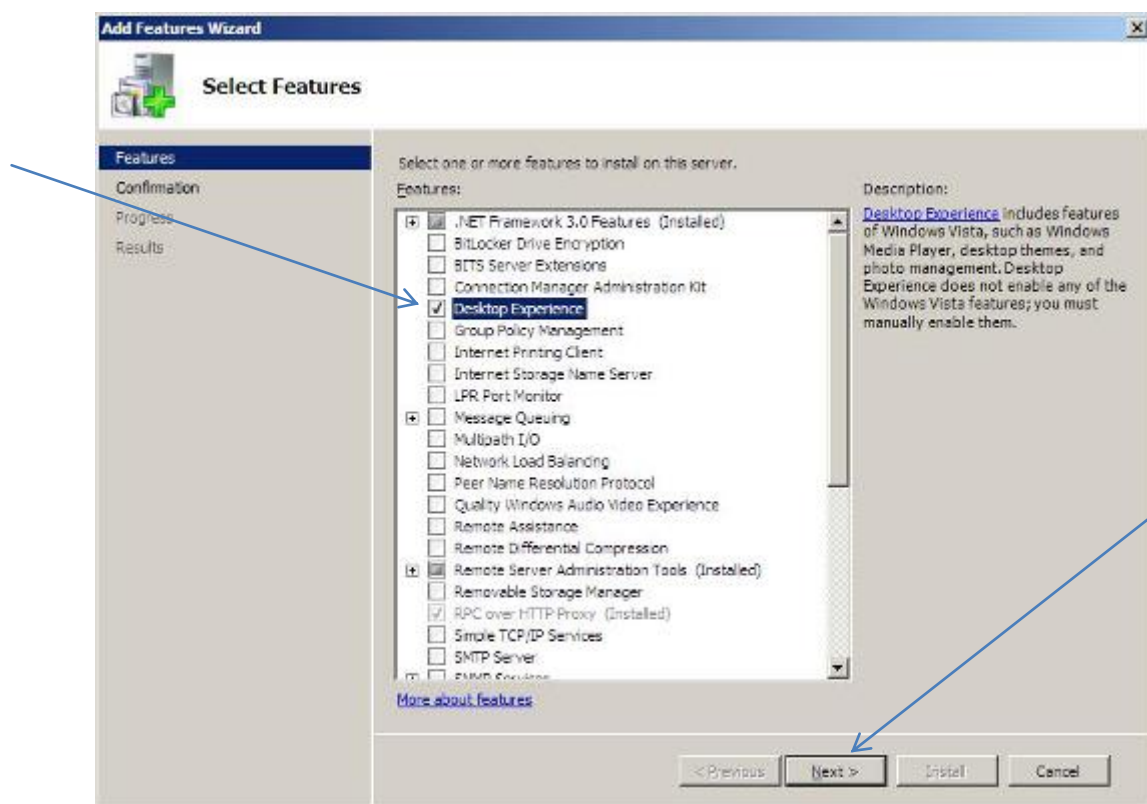
10. On Windows Server 2008, you also need to install the feature desktop experience. Go to the server manager icon next to the Start menu. (If the server manager window is still open, proceed.)



Select Features from the right hand column, and then click Add Feature



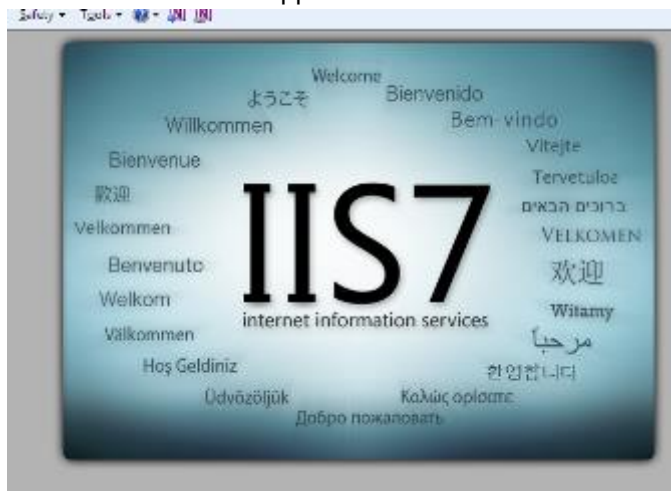
11. Click next and find Desktop Experience in the list. Tick this and click next. If prompted, add required features and confirm install.



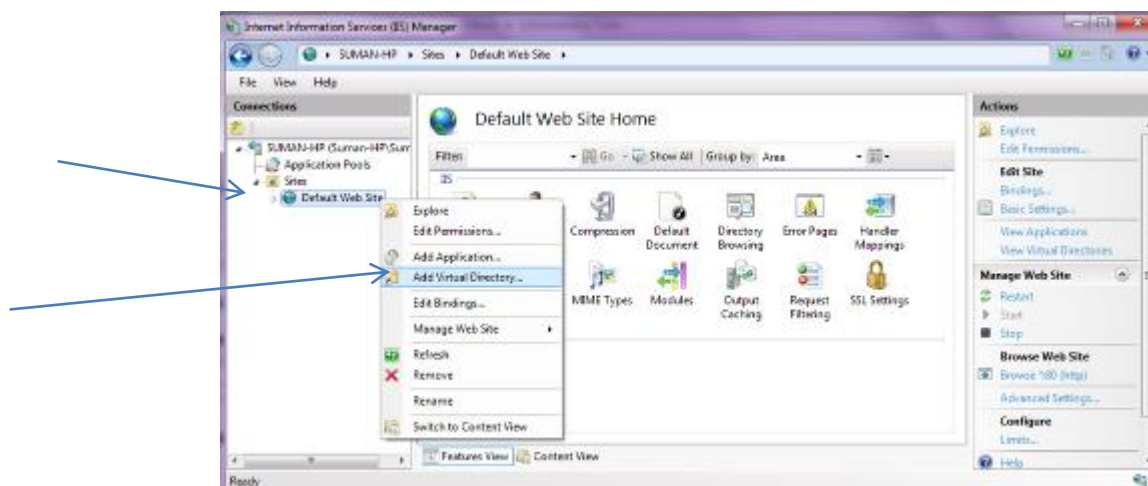
After installing Desktop Experience, reboot your PC, and then allow the configuration process to complete and close.

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12. After rebooting your PC, please check to see if IIS is working, do this by typing <http://localhost> to Internet Explorer, the screen below should appear. Now close the Internet Explorer when finished.



13. Run setup.exe of the AX200 this is located in the AX200 installation folder.
14. Run setup.exe of AX Enterprise this is located in the AX Enterprise installation folder.
15. Run Upload.exe (application) located in the Installation folder of the AX Enterprise, under Upload – Upload.exe (An 'Error registering COM+ Application' will appear if you have installed the Run Upload before).
16. Go to Control panel - Administrative tools – Internet Information Services (IIS) Manager. Select the Default Web Site and right click on the default web site and select Add Virtual directory.

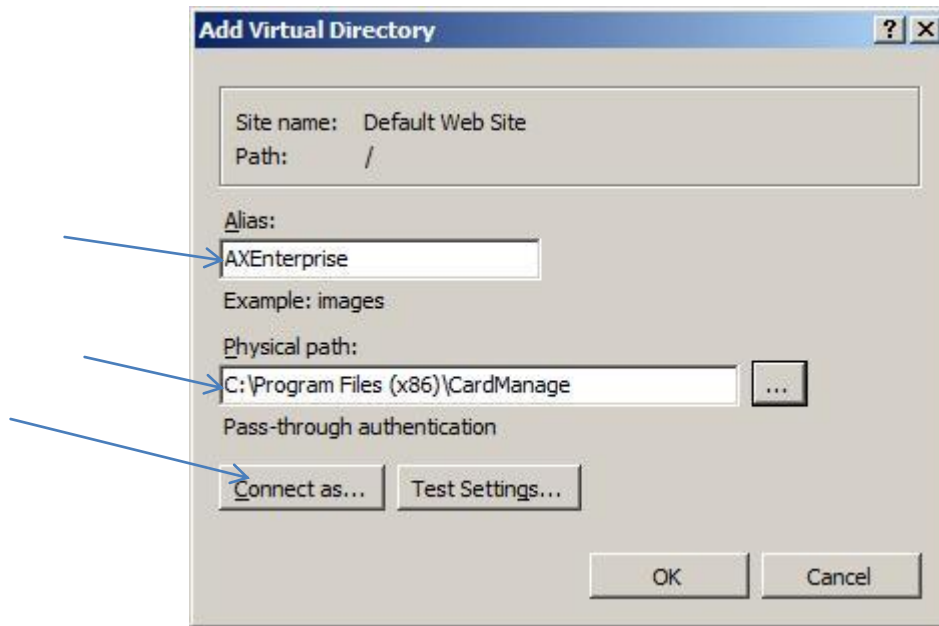


17. Enter Alias as: AXEnterprise. Enter the Physical path to Card manage directory

Please note the Physical path is **C:\Program Files (x86)\CardManage** for 64-bit machines and **C:\Program Files\CardManage** for 32-bit machines.

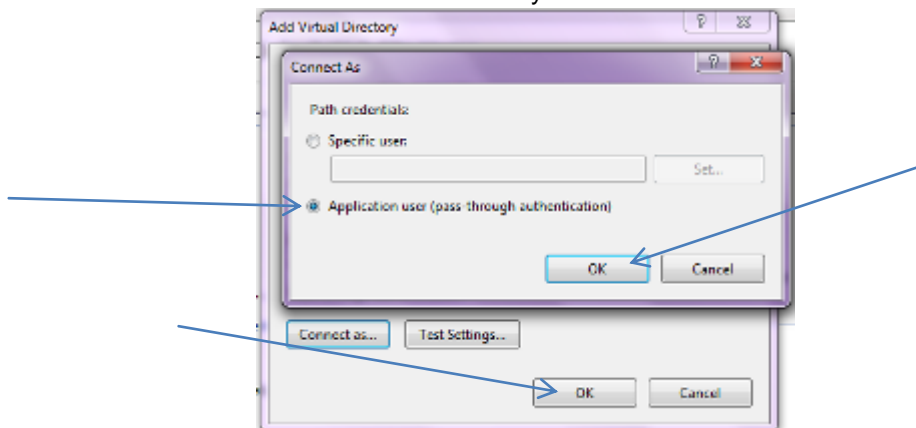
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You can check your operating system by clicking **Start – Control Panel - System**



18. Click 'Connect as' and ensure application user pass though authentication is selected.

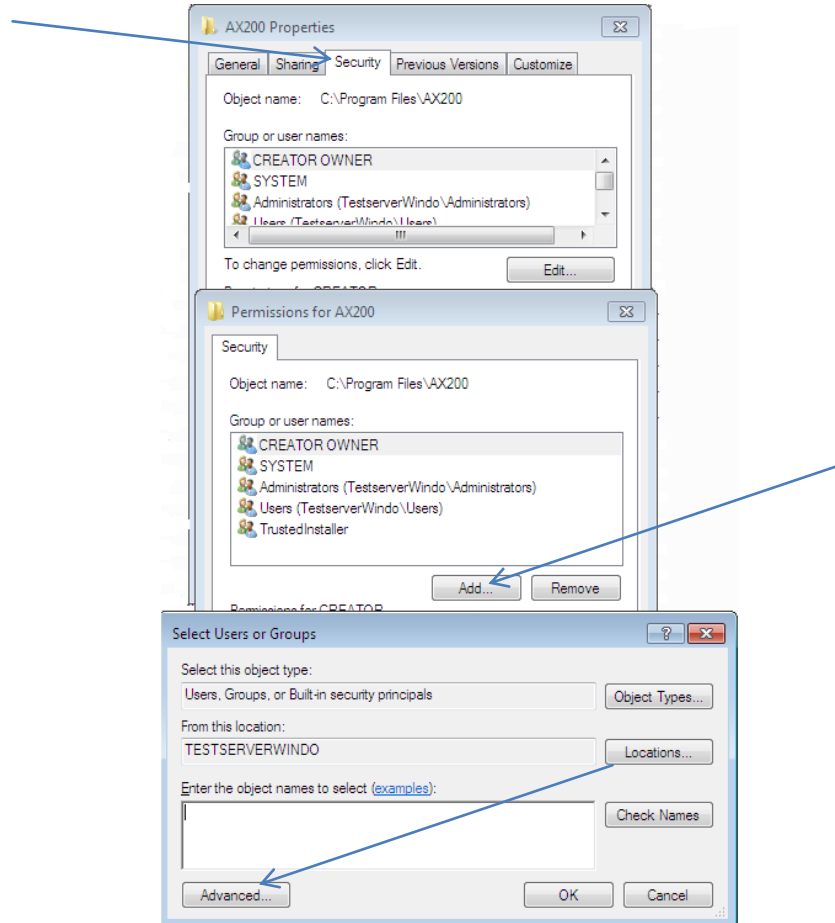
19. Then click OK and click OK in Add Virtual Directory.



20. This will connect the user IUSR for IIS user. The IUSR account replaces the IUSR_Machine Name account in IIS. Close IIS Manager.

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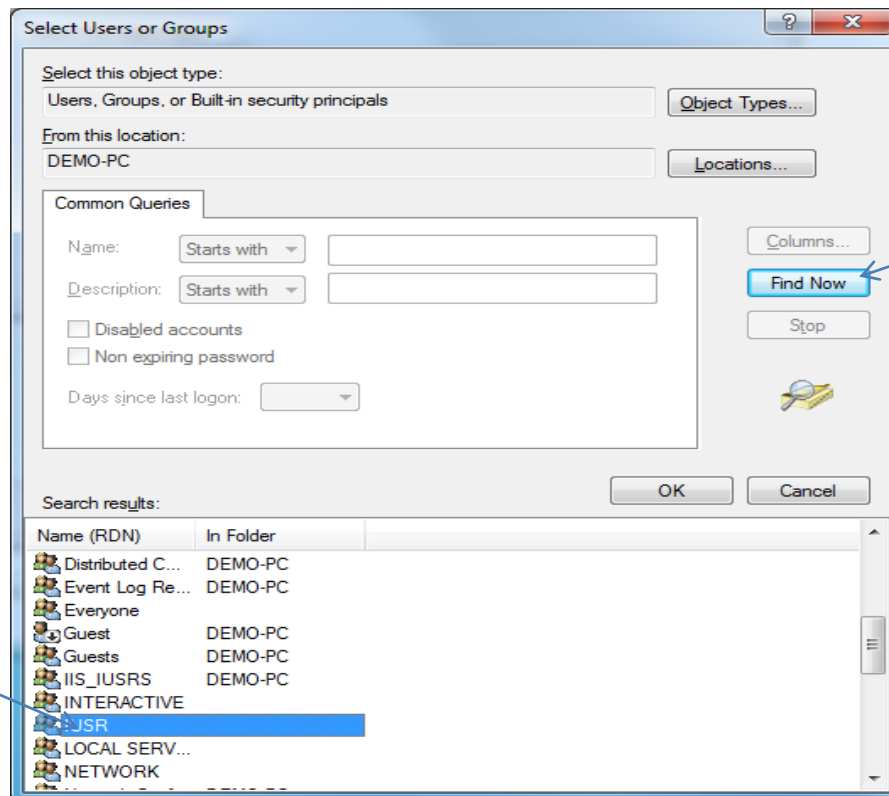
21. Now browse to the AX200 folder directory and right click and go to the properties of the AX200 folder. Now go to the security tab and add the user IUSR and set to full control. To add the user click edit, now click add on the permissions screen. Click on the Advanced.



Note: Please check the location. This should be set as your PC Name.

22. Press Find Now, scroll down and highlight IUSR in the list and click 'OK'.

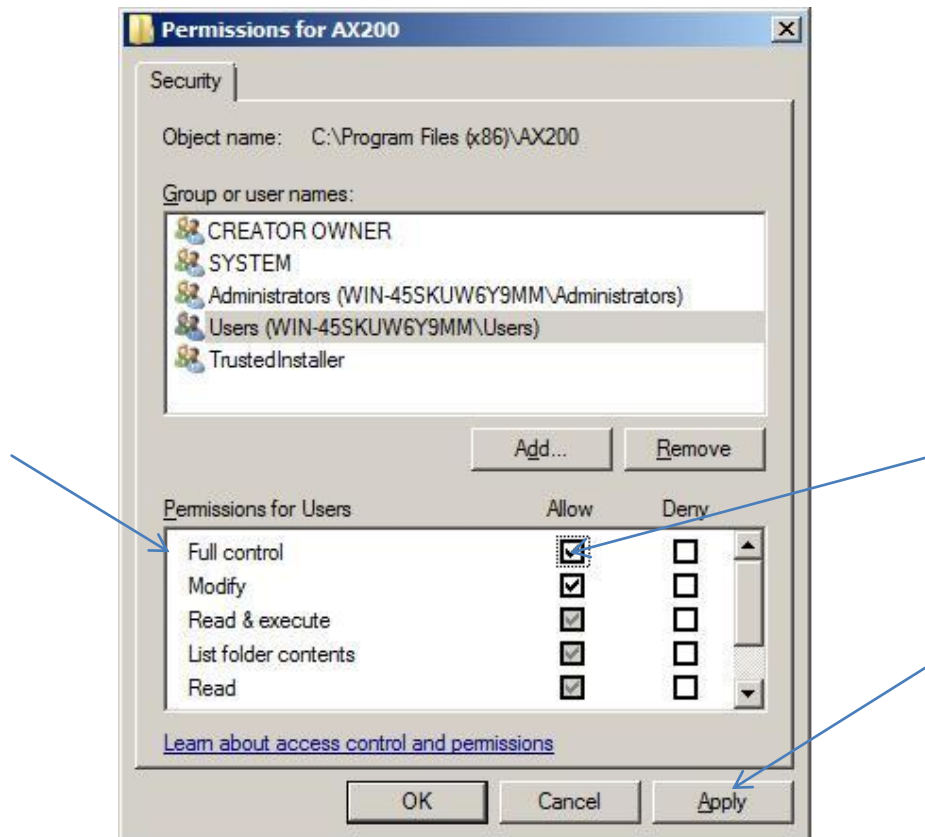
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Click OK and it will now be added to the User Names in the Properties Screen, set IUSR as full control, and click apply.

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23. Click on ADD in the security tab and repeat this process and add the following users with full control
- Everyone (Full Control)
 - IIS_IUSRS (Full Control)
 - Network (Full Control)
 - Network Service (Full Control)
 - Users (Full Control) (Normally already added but needs to be set to full control)



24. To change the users to full control, go to the Permission screen and highlight the user and tick the box marked Full Control and click Apply. Shown above.

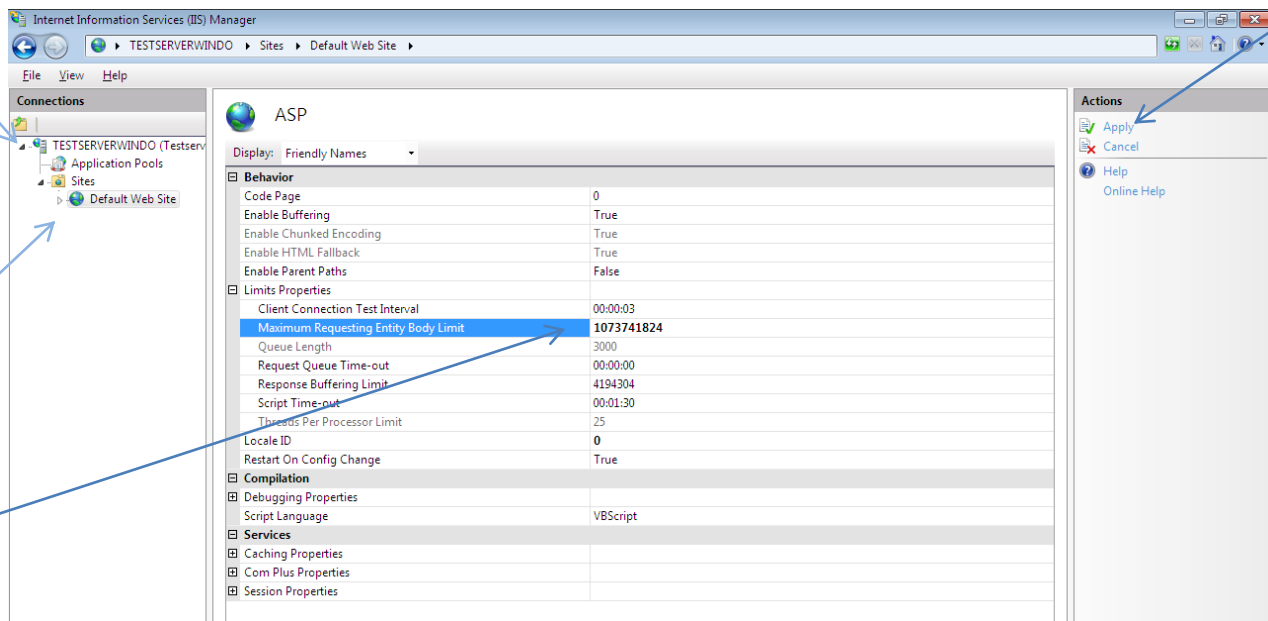
Please repeat Steps 21-24 on the CardManage folder located, C:\Program Files\CardManage for 32-bit machines or C:\Program Files (x86)\CardManage for 64-bit machines

Close the properties window by clicking OK

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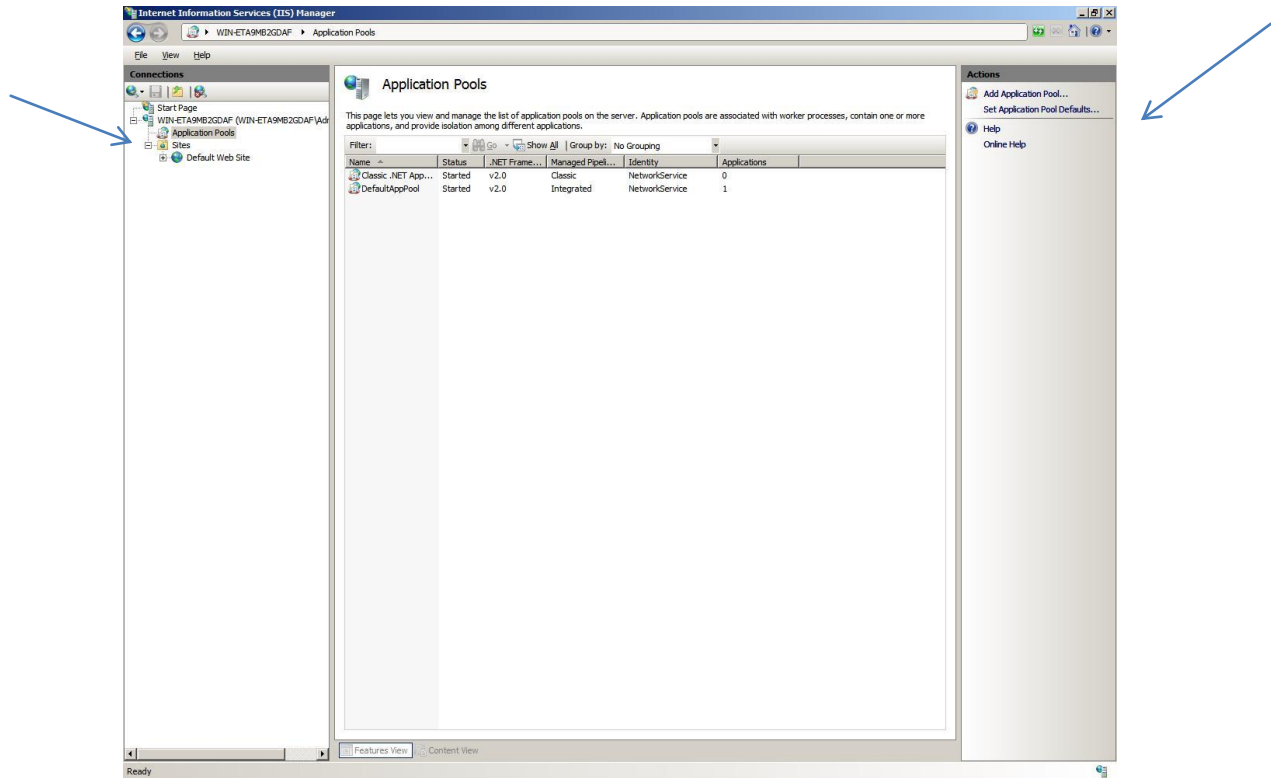
25. Now go to control panel ---administrative tools---Open Internet Information Services (IIS) Manager. Expand Sites node---click on AX Enterprise node---on the right panel, double click on ASP icon. Expand Limit Properties node---Change the value of Maximum Requesting Entity Body limit from 200000 to 1073741824. Move the cursor from that field and click apply

Repeat on Default website and the PC, move the cursor from that field and click apply

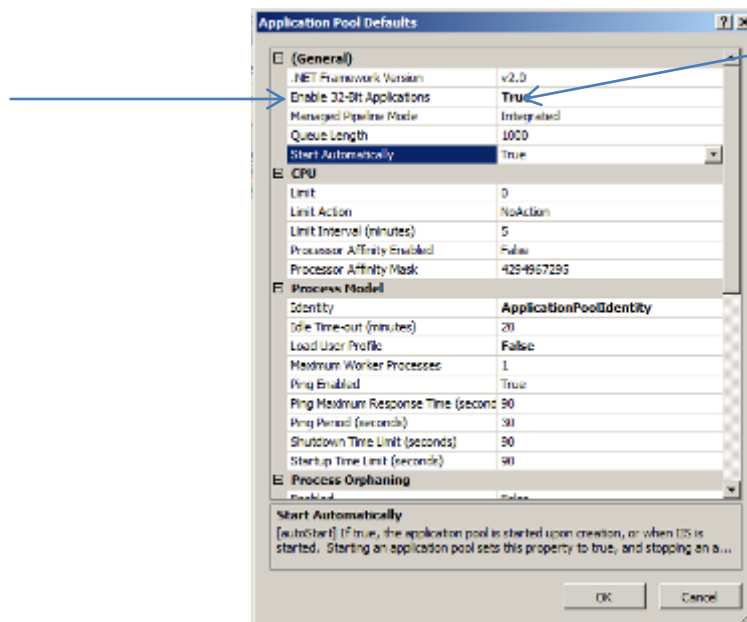


26. Set the application pool to 32 bit as AXEnterprise uses 32 bit dlls. To do that, inside the Manager-->Click on Application pool. Changing the Application pool to 32 bit, only for 64 bit operating systems.

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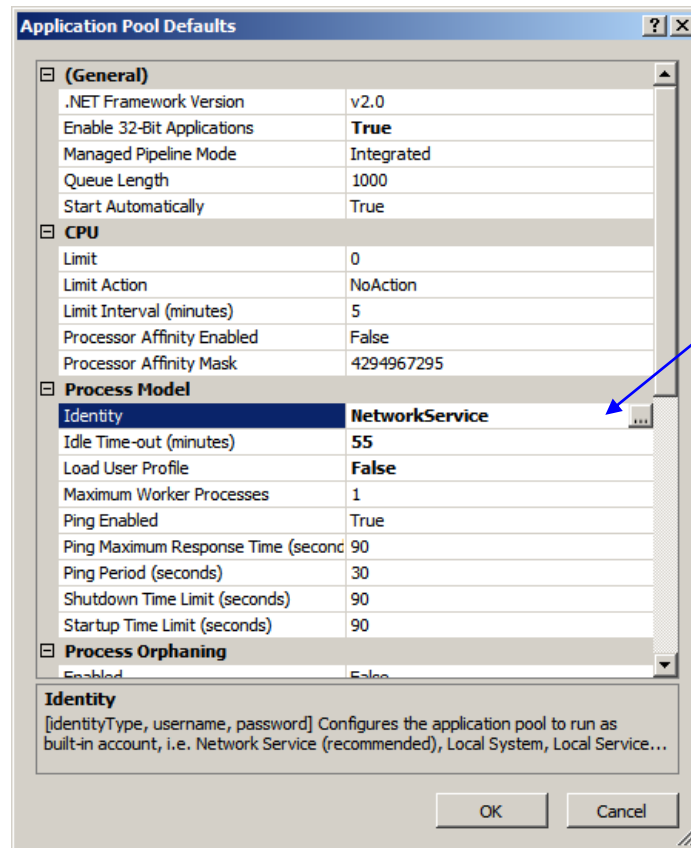
On the Action panel on the right hand side of the screen, click on Set Application Pool Defaults



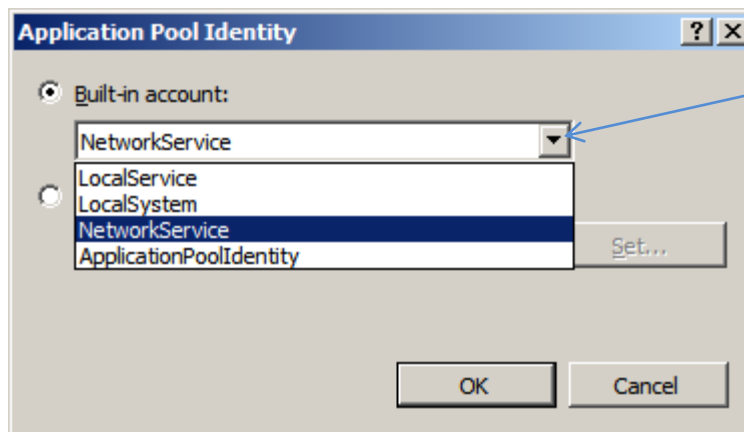
27. Change Enable 32-Bit Application to True.

28. Now change the Identity field to LocalSystem. To do this click the button at the end of the Identity field, shown below

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Change the drop down box marked Built-in-account to LocalSystem, Click OK to accept.



Click OK on the application pool defaults screen and Restart IIS Manager. Now close IISManager.

29. Now copy the file 'Global.asa' from the C:\Program Files (x86)\Card manage and copy it into the directory, C:\inetpub\wwwroot. Now Restart IIS Manager to take effect, or reboot the PC.


Note: Ensure the PC has a Static IP address.

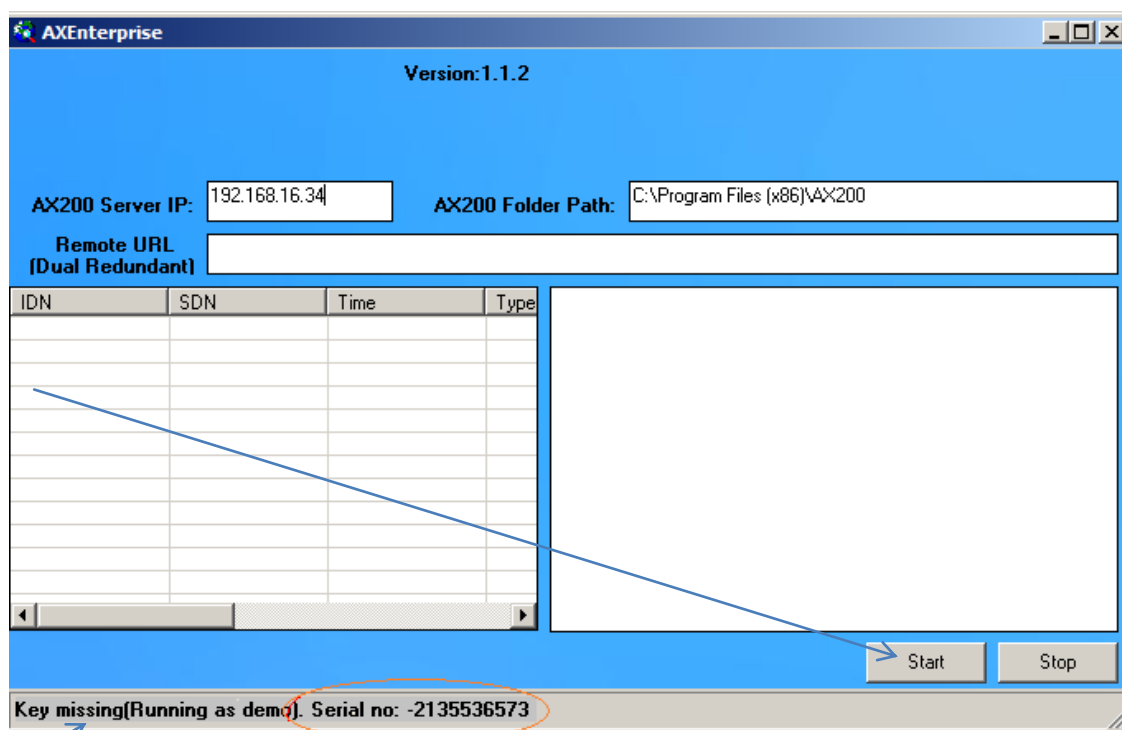
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30. Once this is completed, you can start the AX200 software, and set the IP settings up, by going to Access point/Device Manger /PC Server. Now start the Card manage, found on the Desktop as a global icon



The screen below will appear, set the AX200 Server IP to the IP you set in the AX200, and the AX200 folder path, to the path where the AX200 is kept. Click start and the card manage will start.

If this screen does not appear, you can find it in the bottom right hand corner, click on the  icon and it will appear.



Note: If you have not yet got a license key it will show here.

31. Now start Internet Explorer, type your http site in e.g. http://_____._____._____._____/AXEnterprise. The Login page should appear.

Note: Internet explorer 8 and Internet explorer 9 is supported.

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32. Next you need to Enable the Active X controls on Internet Explorer, go to Tools - Internet option - Security Tab –Trusted sites - Custom Level button:

Enable Allow previously unused ActiveX controls to run without prompt

Enable Allow Scriptlets

Enable Automatic, prompting for ActiveX controls

Enable Binary and scripts behaviours

Enable Display video and animations on a webpage that does not use external media player

Enable Download signed, ActiveX controls

Enable Download unsigned, ActiveX controls

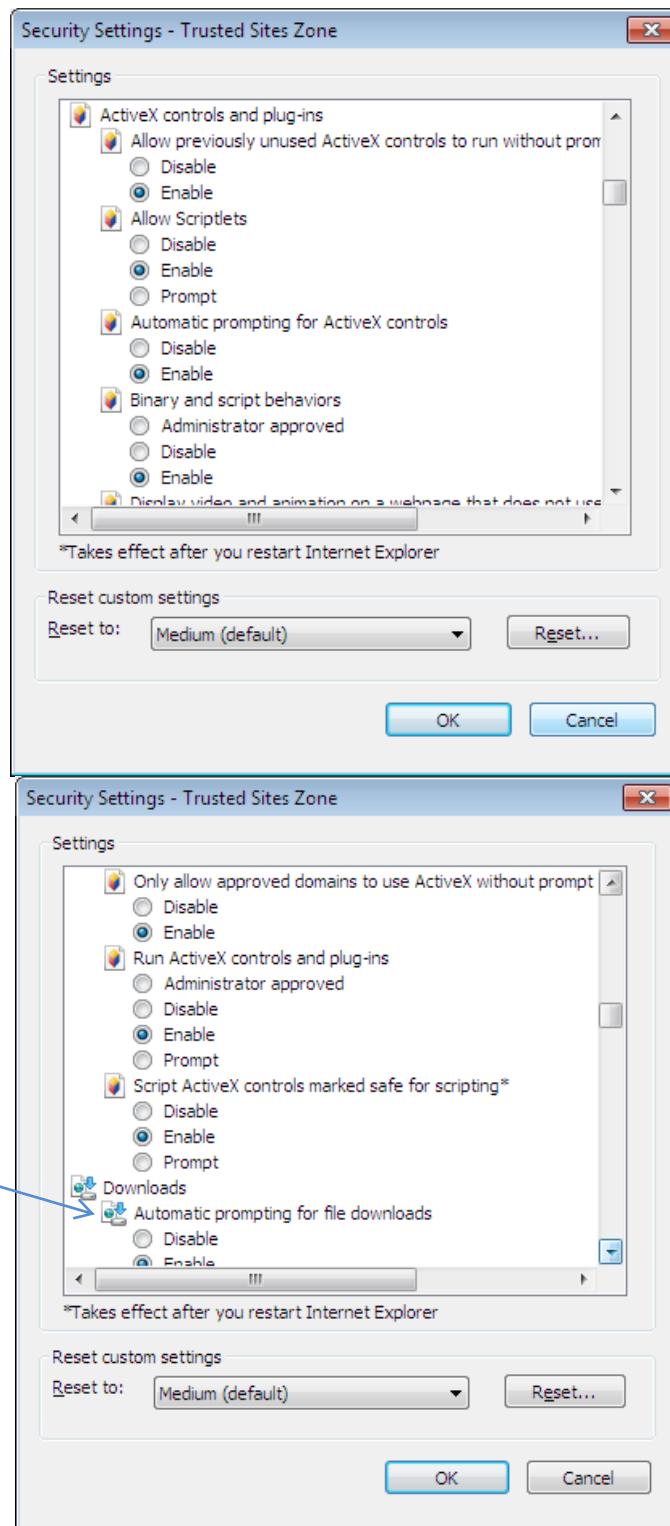
Enable Initialize and script ActiveX controls not marked as safe for scripting

Enable Only allow approved domains to use ActiveX without prompt

Enable run ActiveX controls and plug-ins

Enable Script Active controls marked safe for scripting

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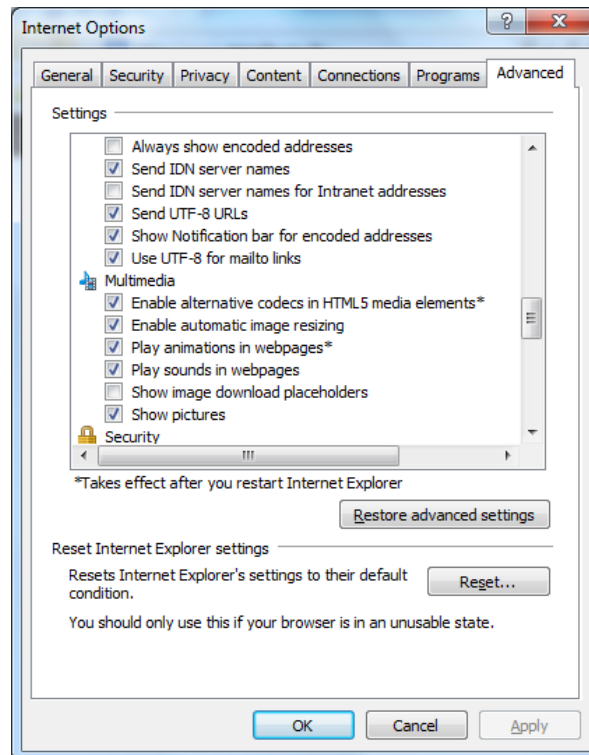
In the download section:

Enable Automatic Prompting for active x controls

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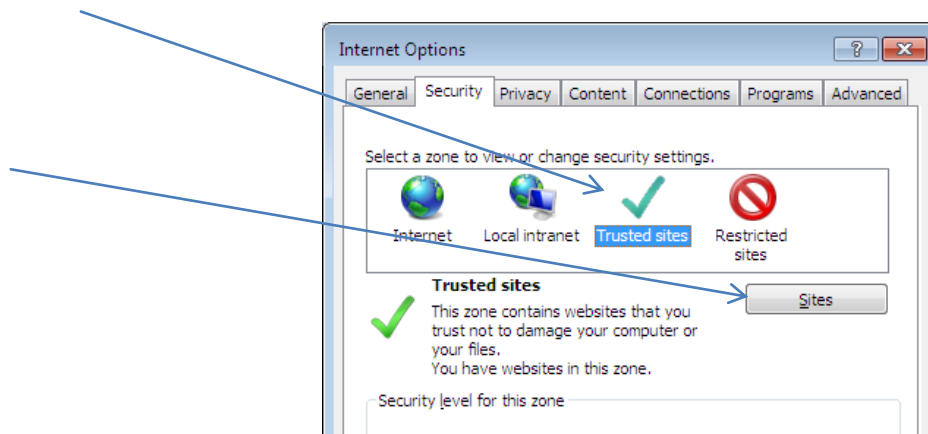
After the above changes, click OK.

33. In the Internet Options screen select the Advanced Tab. Find Multimedia and Tick Play animation in webpages. Please note this step applies to Internet Explorer 9 or higher.



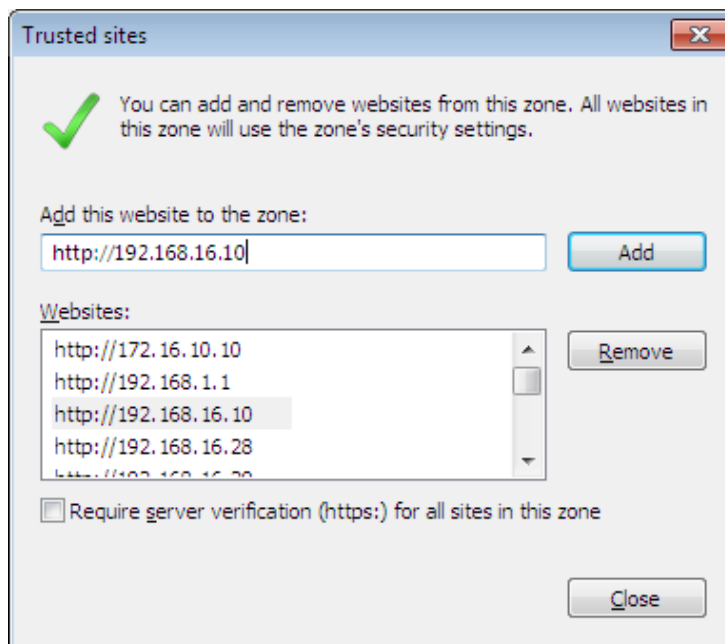
Click OK. Now restart Internet Explorer.

34. When using the AX Enterprise either on Server or as a Client, you need to add it to the trusted sites. You can do this by going to the Internet Options - Security Tab – Trusted Sites – ‘Sites’ Button.



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Type in your IP address and click Add and close, (the IP Address should already be filled in, if you are on your AX Enterprise screen)

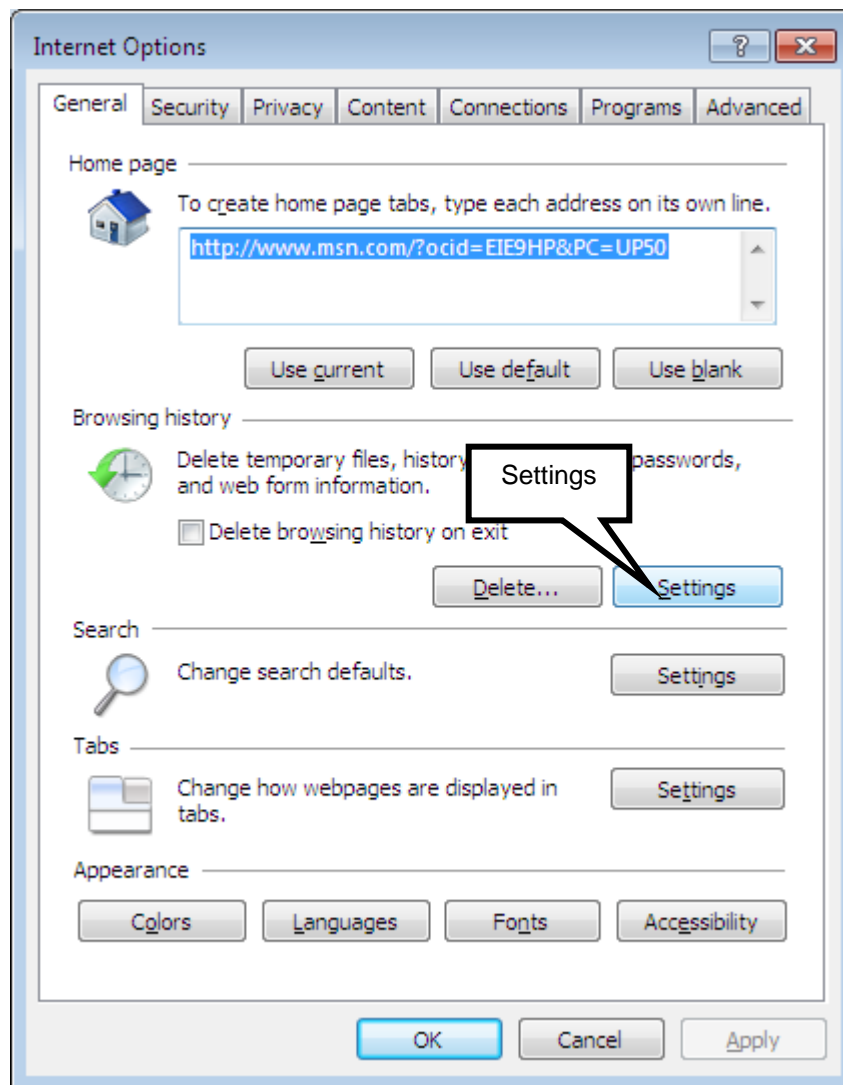


35. Next Open Internet Explorer and select Tools and Internet Options. Please note that steps 35 to 37 apply only to Internet Explorer 9 or Higher.



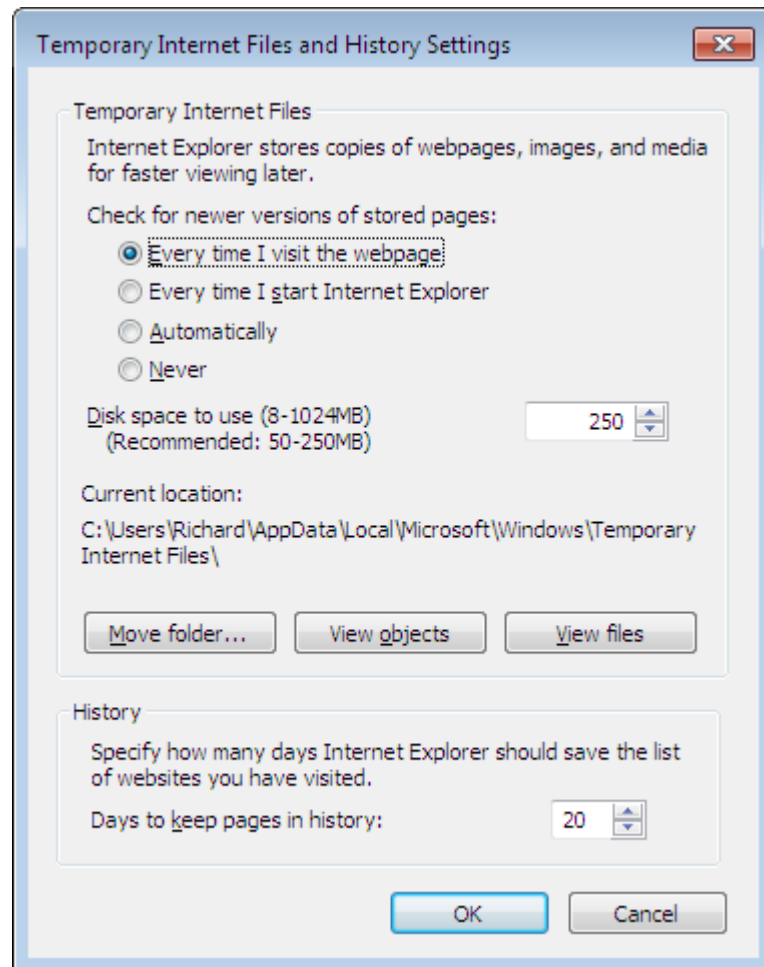
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36. In the General Tab, click 'Settings' in Browse History



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37. Then select the 'Every time I visit the webpage button'

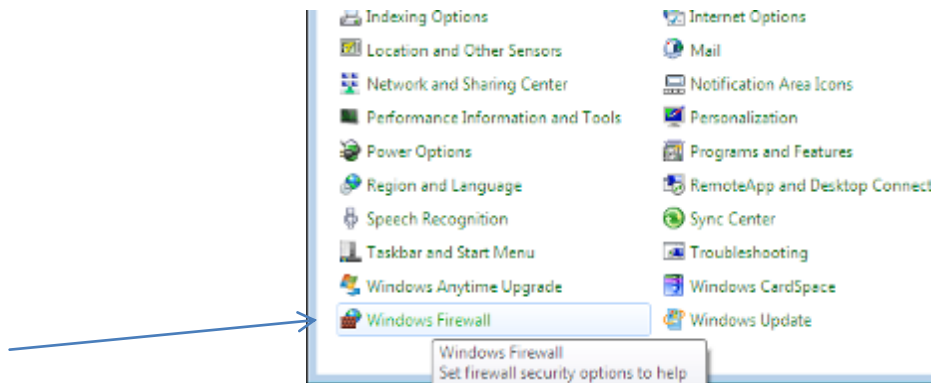


Then Click OK. In the Internet Options window click OK

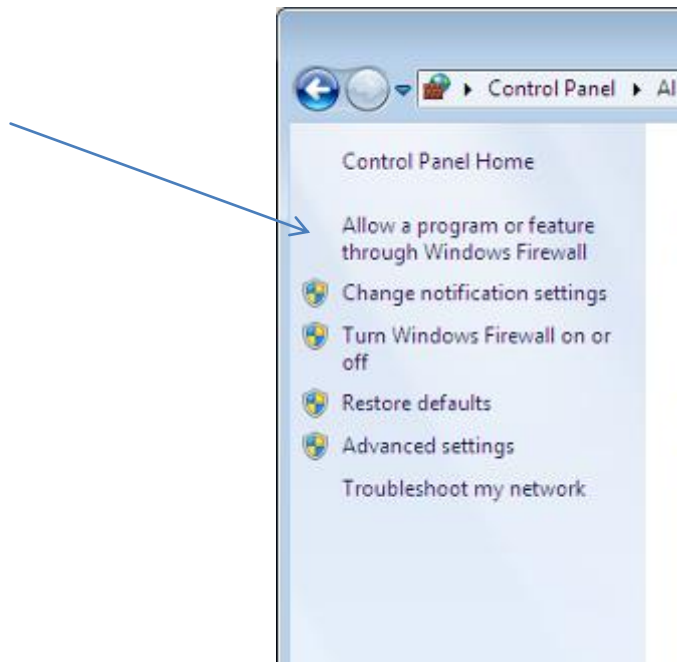
[Setting up the Firewall to allow the AX Enterprise to communicate](#)

Go to the Control Panel and click on Windows Firewall.

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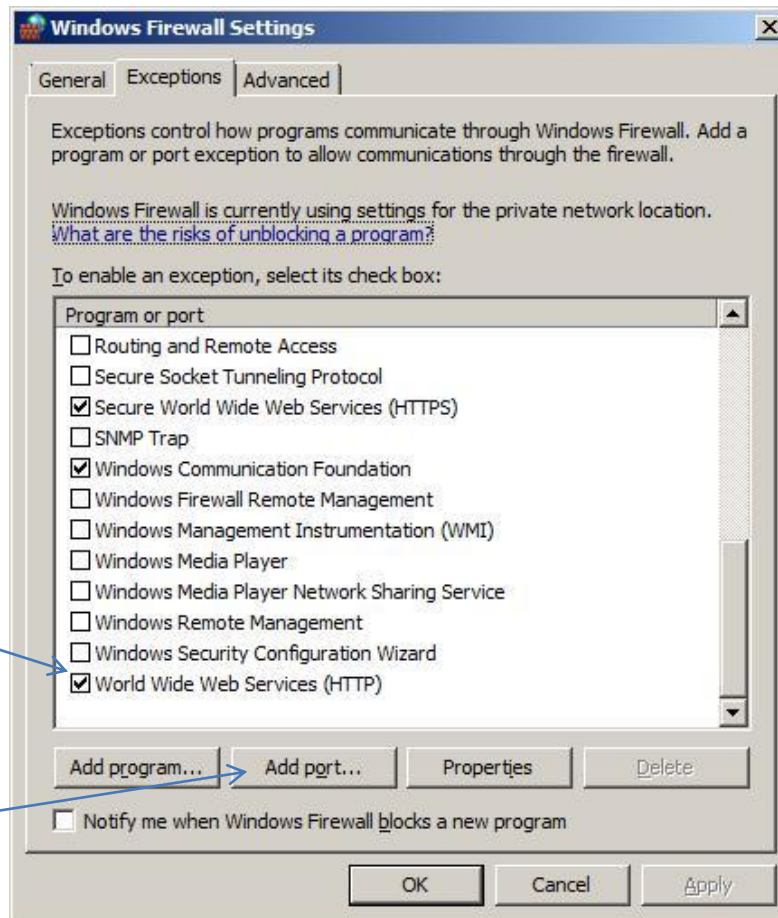


Now go to 'Allow a program or feature through Windows Firewall'.



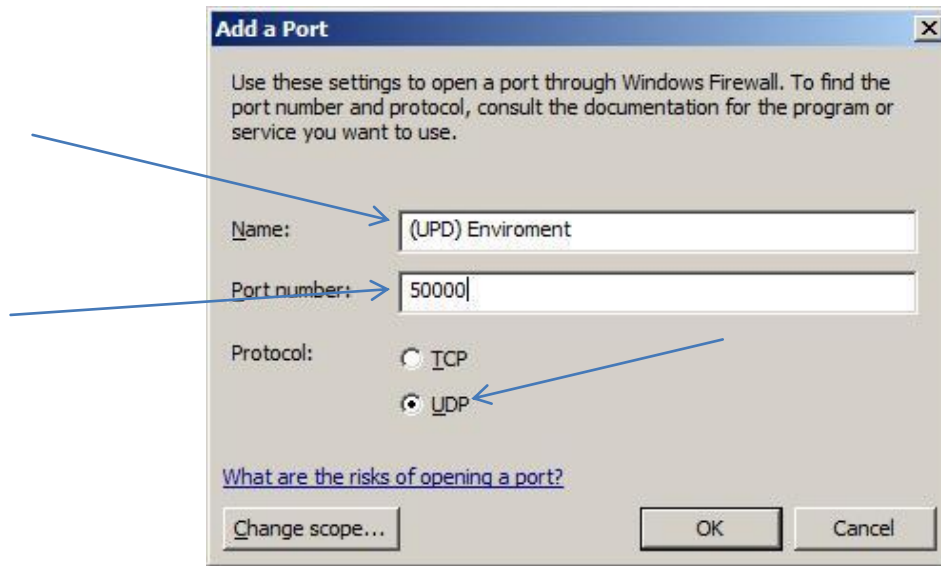
Web Server Guide

Select the Exception tab and find World Wide Web Services (HTTP) and tick box. Now add a port to the Exceptions list. Click Add port



Web Server Guide

Name the port, add the port number and select the protocol type. Shown below:



Click OK to add the port

There are 6 ports that need to be added, shown in the table below:

Name	Port number	Protocol
(UDP) Environment	50000	UDP
Client OCX 1	4782	TCP
Client OCX 2	4783	TCP
Client OCX 3	50505	TCP
AX Enterprise 1	50010	UDP
AX Enterprise 2	50011	UPD

Now the AX Enterprise can communicate through the Firewall.

Web Server Guide

AX Enterprise Installation Windows Server 2008 R2

Configuring IIS 7

This applies to Windows Server 2008 R2, please follow the instructions below.

Do not install the AX200 or the AX Enterprise, until prompted later in this document.
A static IP address is required. Ensure a static IP has been done before proceeding.

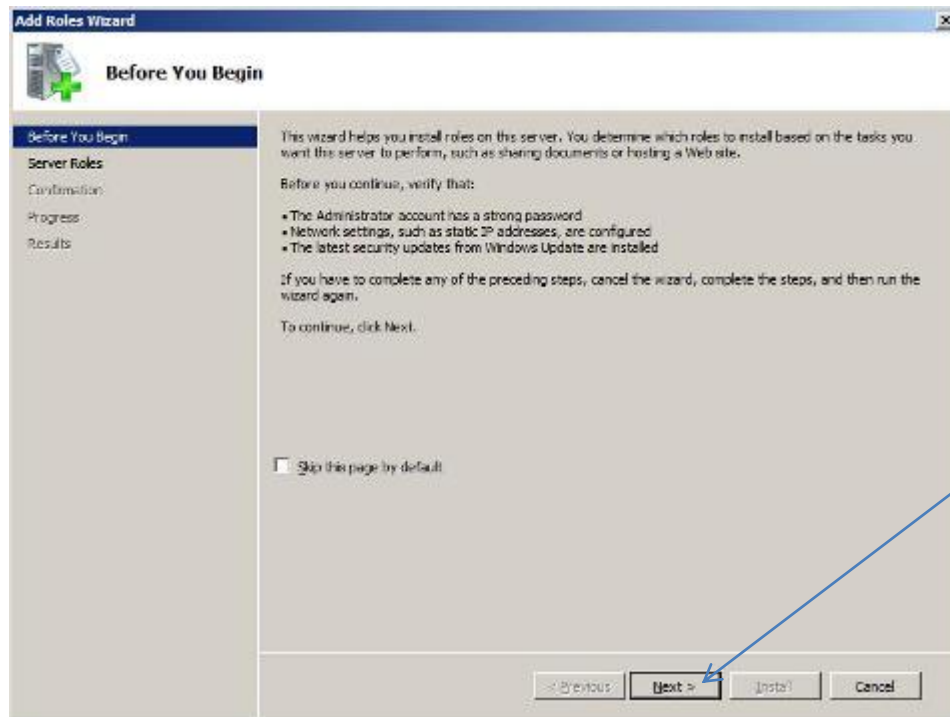
To install IIS 7, you must be a member of the Administrators group to install IIS 7.

1. Click **Start** and then click **Control Panel**.
2. In Control Panel, click **Programs and Features** and then click **Turn Windows features on or off**, found on the left hand column.



3. Click on the Roles in the left hand column, and wait for it to load and then click on Add Roles.

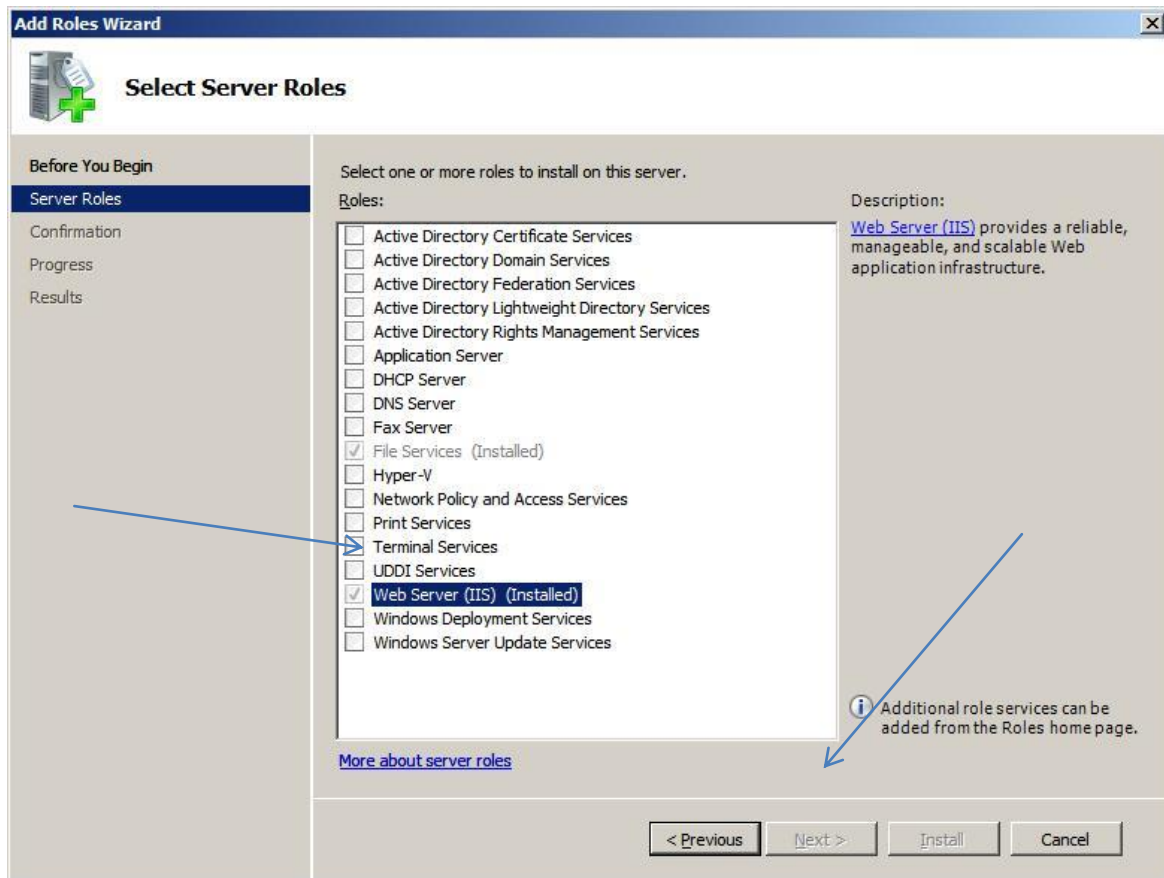
Web Server Guide



Check the Role Wizard, Pre-requisite are complete, then click next

4. Find the Web Server (IIS) in the list and tick the box. Click next.

Web Server Guide



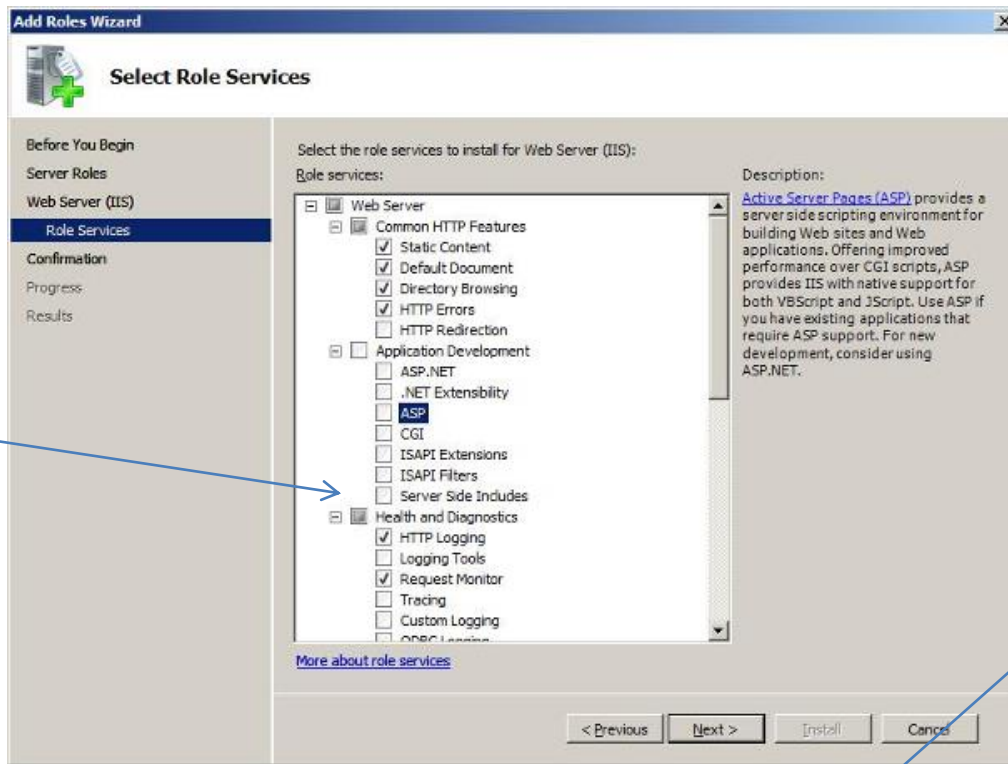
5. Click next on WebIIS introduction, you also need to install these features, marked below. Click Add Required Features.



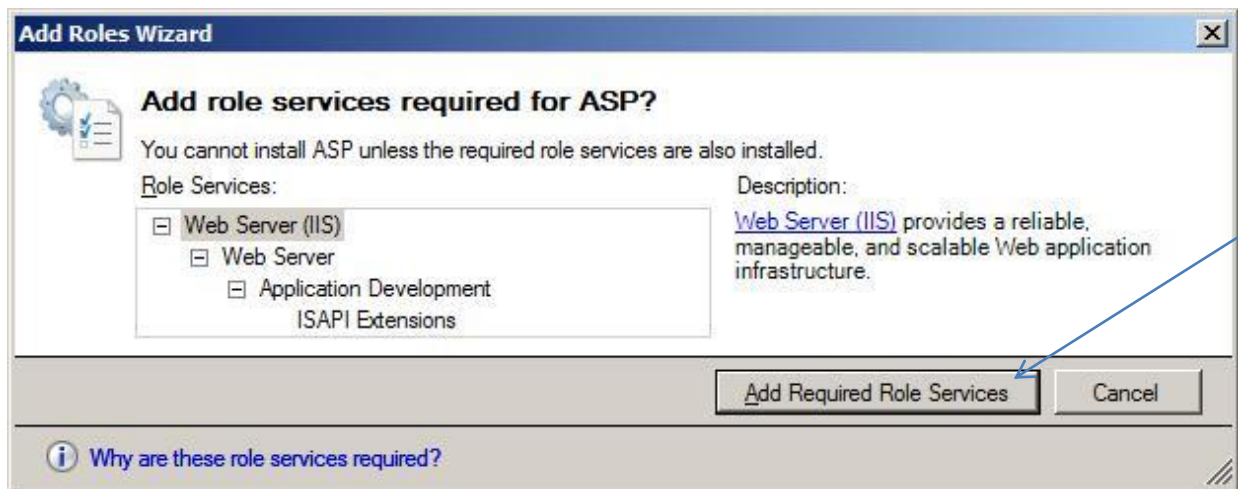
Web Server Guide

6. Select Role Services from the left-hand pane, then select which of the services are needed to install with IIS:

Tick the box ASP from the list



When you tick ASP box it will prompt you to add these Role Services, click Add required Role Services.



From the list, ensure all of the following are selected:

Web Server Guide

Management Tools

- IIS Management Console

Application Development Features

- ASP
- ISAPI Extensions

Common HTTP Features

- Default Document
- Directory Browsing
- HTTP Errors
- Static Content

Health and Diagnostics

- HTTP Logging
- Request Monitor

Performance Features

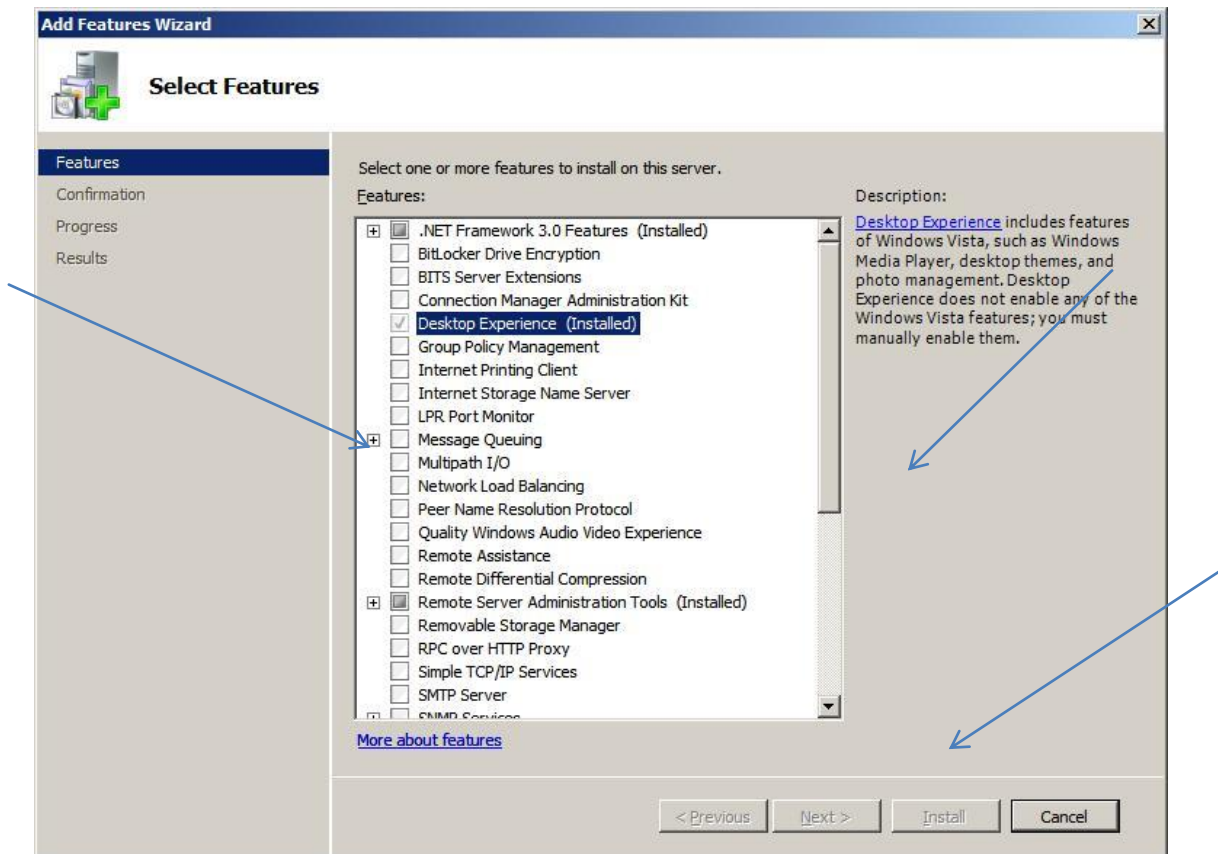
- Static Content Compression

Security

- Request Filtering

Web Server Guide

7. When you have ticked the correct boxes press next at the bottom of the screen, the screen on the next page will appear. Review the correct items are selected and press install.
8. This screen shows you the progress of the installation.
9. An installation result will indicate that you have successfully installed Web Server (IIS). Click close



10. On Windows Server 2008, you also need to install the feature desktop experience. Go to the server manager icon next to the Start menu. (If the server manager window is still open, proceed to add features step)

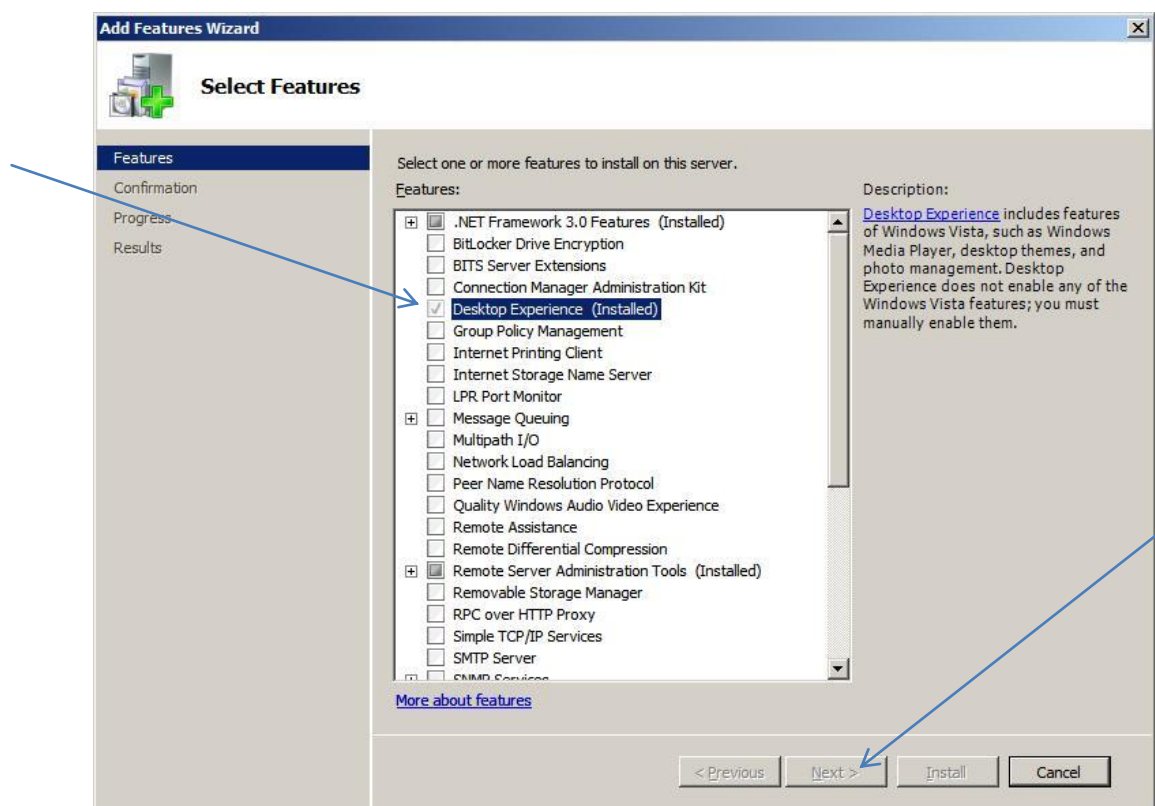


Select Features from the right hand column. Now click Add Feature

Web Server Guide



11. Click next and find Desktop Experience in the list. Tick this and click next. If prompted, add required features and confirm install.



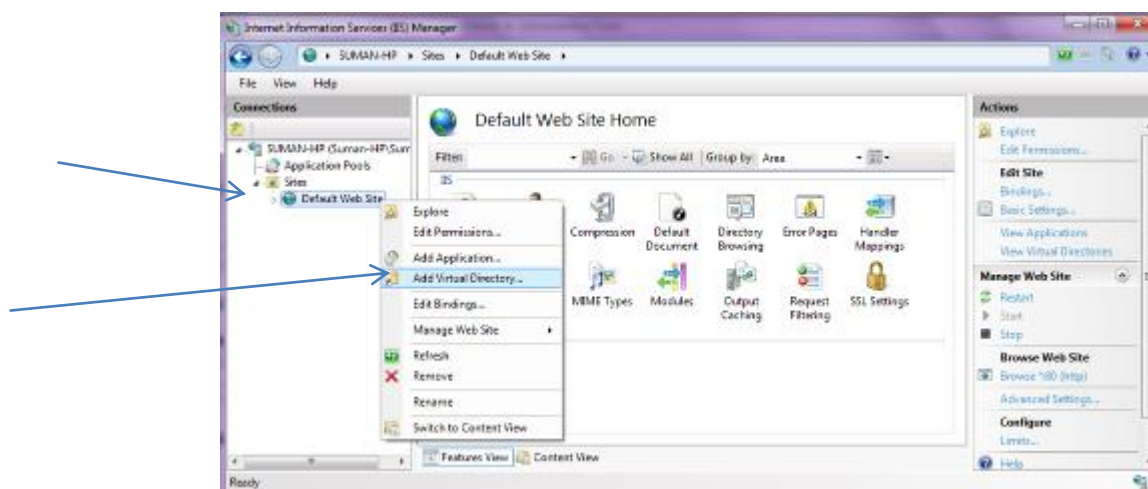
After installing Desktop Experience, reboot your PC, and then allow the configuration process to complete and close.

12. After rebooting your PC, please check to see if IIS is working, to do this by typing <http://localhost> to Internet Explorer, the screen below should appear. Now close the Internet Explorer when finished.

Web Server Guide



13. Run setup.exe of the AX200 this is located in the AX200 installation folder.
14. Run setup.exe of AX Enterprise this is located in the AX Enterprise installation folder.
15. Run Upload.exe (application) located in the Installation folder of the AX Enterprise, under Upload – Upload.exe (An 'Error registering COM+ Application' will appear if you have installed the Run Upload before).
16. Go to Control panel-Administrative tools – Internet Information Services IIS Manager. Select the Default Web Site and right click on the default web site and select Add Virtual directory.

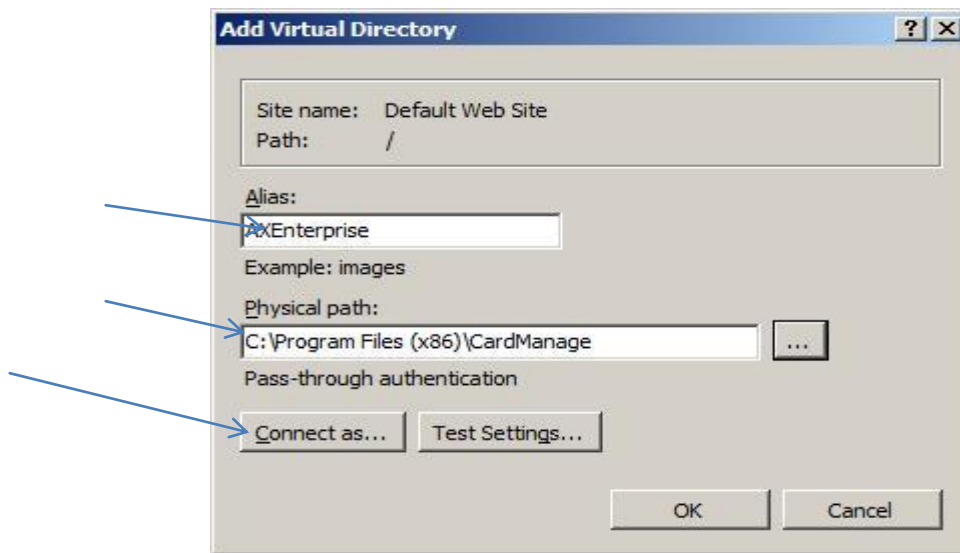


Web Server Guide

17. Enter Alias as: AX Enterprise. Enter the Physical path to Card manage directory

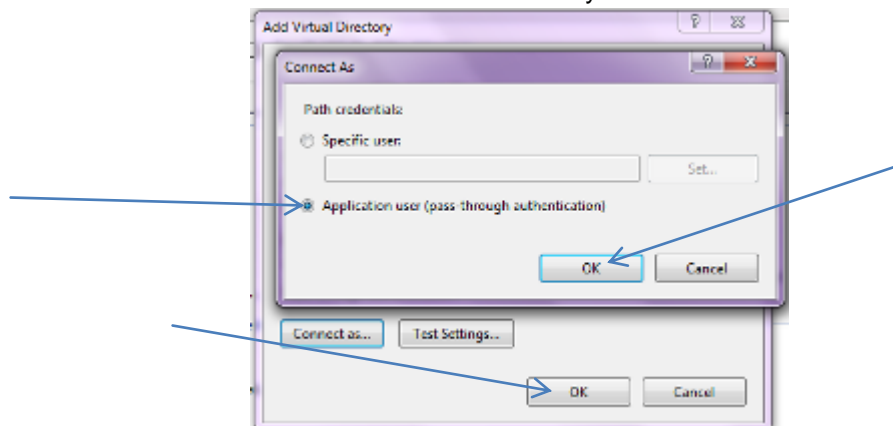
Please note the Physical path is **C:\Program Files (x86)\CardManage** for 64-bit machines and **C:\Program Files\CardManage** for 32-bit machines.

You can check your operating system by clicking **Start – Control Panel - System**



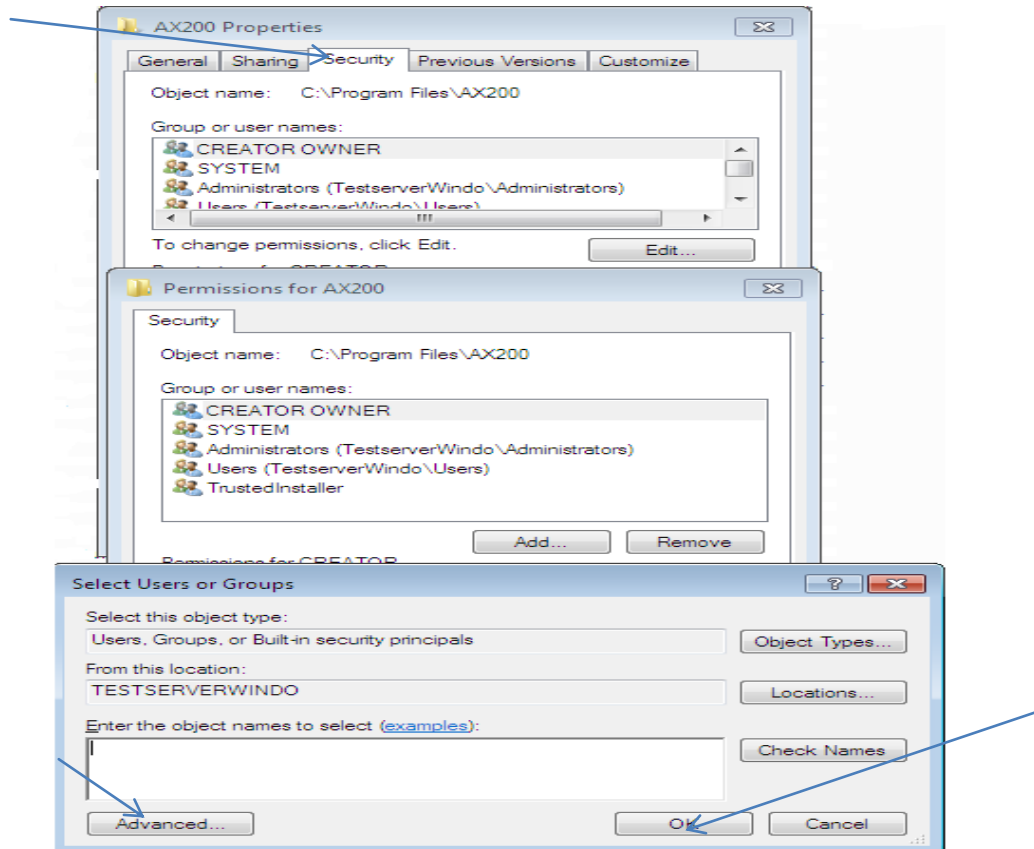
18. Click 'Connect as' and ensure application user pass through authentication is selected.

19. Then click OK and click OK in Add Virtual Directory.



20. This will connect the user IUSR for IIS user. The IUSR account replaces the IUSR_Machine Name account in IIS. Close IIS Manager.
21. Now browse to the AX200 folder directory and right click and go to the properties of the AX200 folder. Now go to the security tab and add the user IUSR and set to full control. To add the user click edit, now click add on the permissions screen. Click on the Advanced.

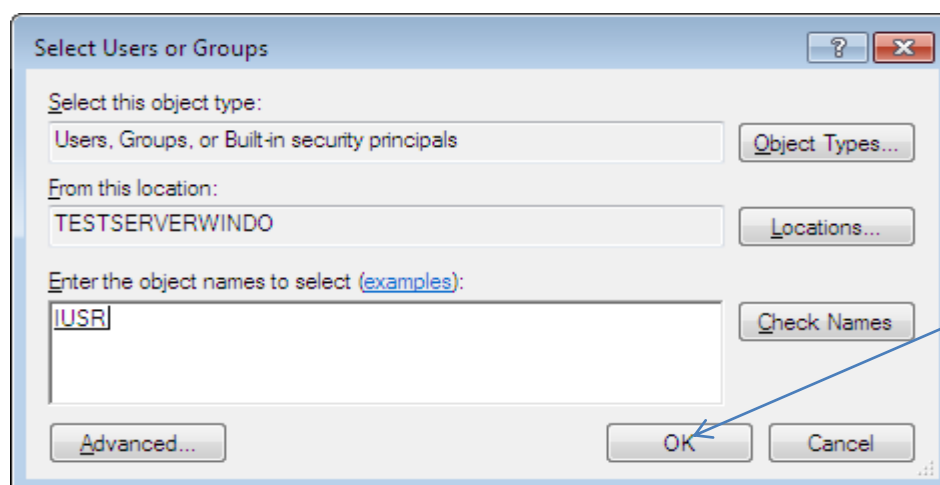
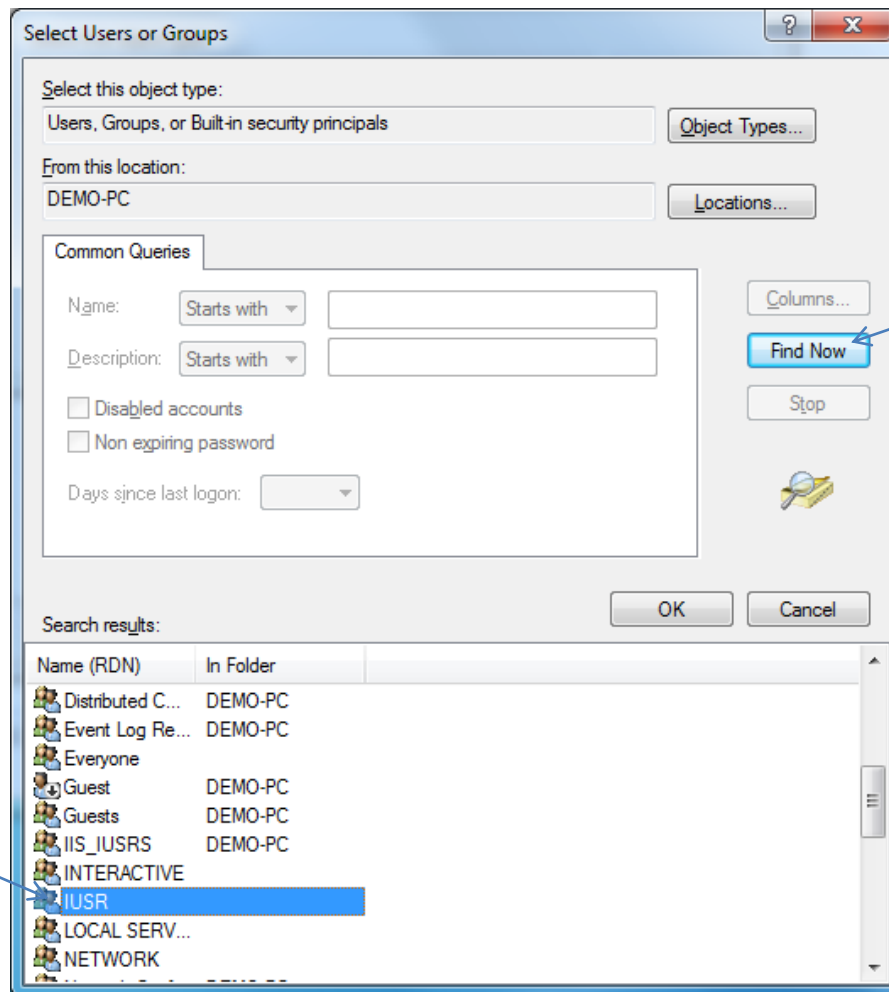
Web Server Guide



Note: Please check the location. This should be set as your PC Name.

22. Press Find Now, scroll down and highlight IUSR in the list and click 'OK'.

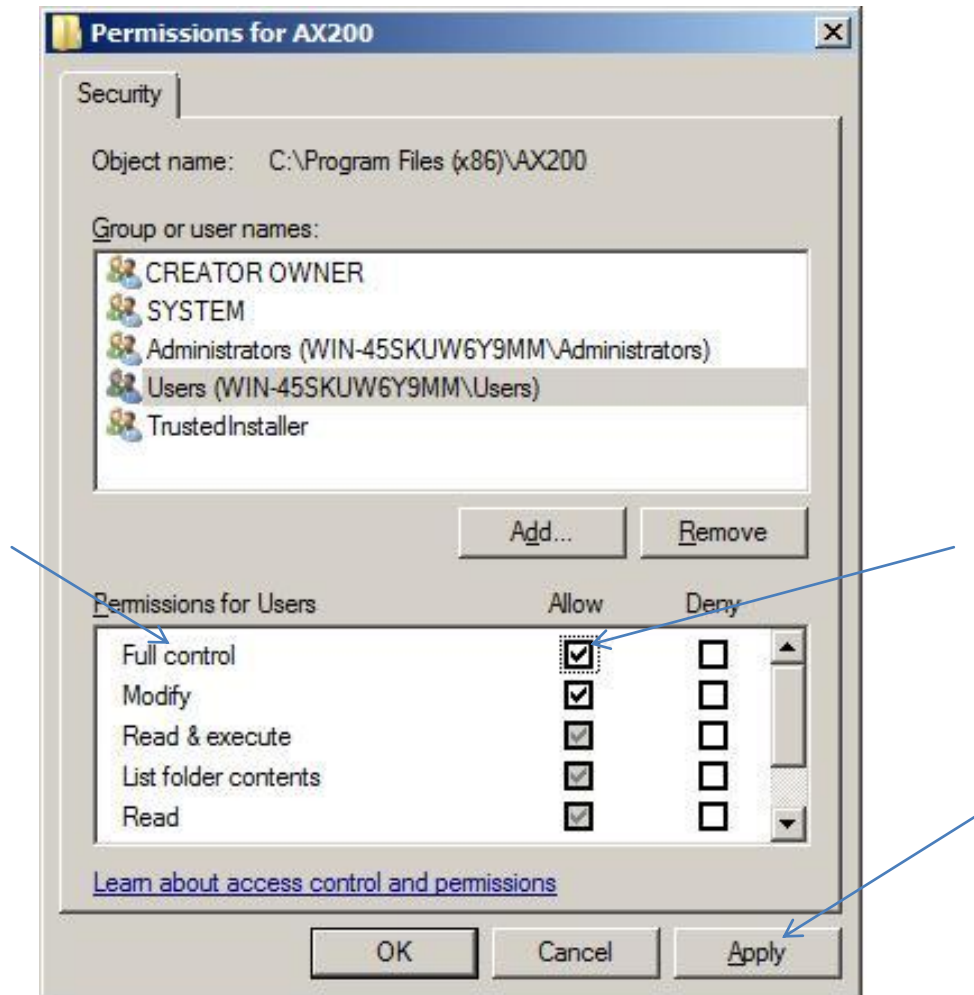
Web Server Guide



Click OK and it will now be added to the User Names in the Properties Screen, set IUSR as full control, and click apply.

Web Server Guide

23. Click on ADD in the security tab and repeat this process and add the following users with full control
- Everyone (Full Control)
 - IIS_IUSRS (Full Control)
 - Network (Full Control)
 - Network Service (Full Control)
 - Users (Full Control) (Normally already added but needs to be set to full control)



24. To change the users to full control, go to the Permission screen and highlight the user and tick the box marked Full Control and click Apply. As shown above.

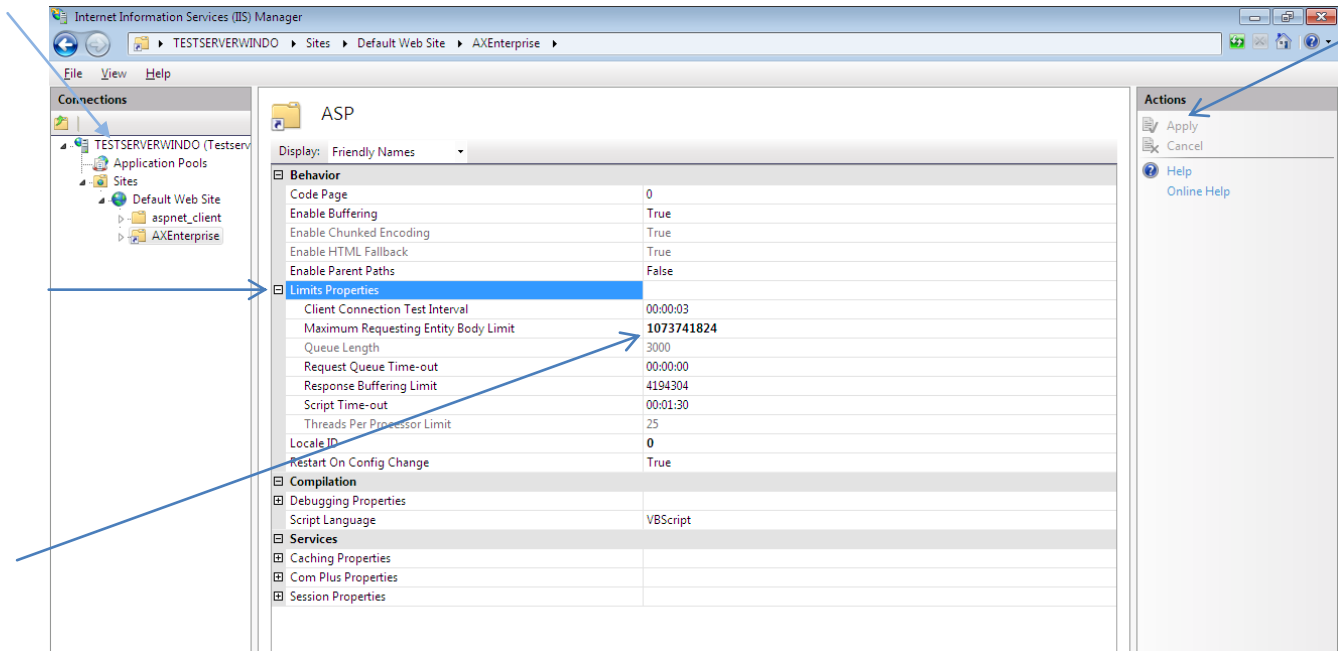
Close the properties window by clicking OK

Please repeat Steps 21-24 on the CardManage folder located, C:\Program Files\CardManage or C:\Program Files (x86)\CardManage

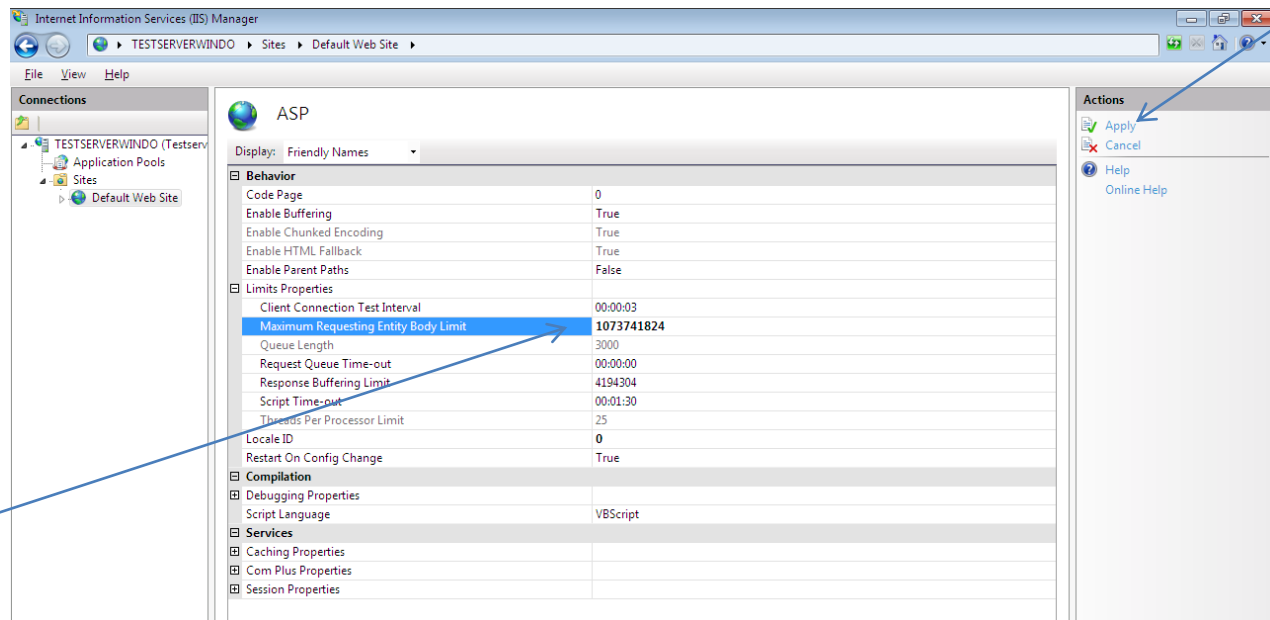
25. Now go to control panel ---administrative tools---Open Internet Information Services IIS Manager. Expand Sites node---click on AX Enterprise mode---on the right pane, double click on ASP icon.

Web Server Guide

Expand Limit Properties mode---Change the value of Maximum Requesting Entity Body limit from 200000 to 1073741824. Move the cursor from that field and click apply

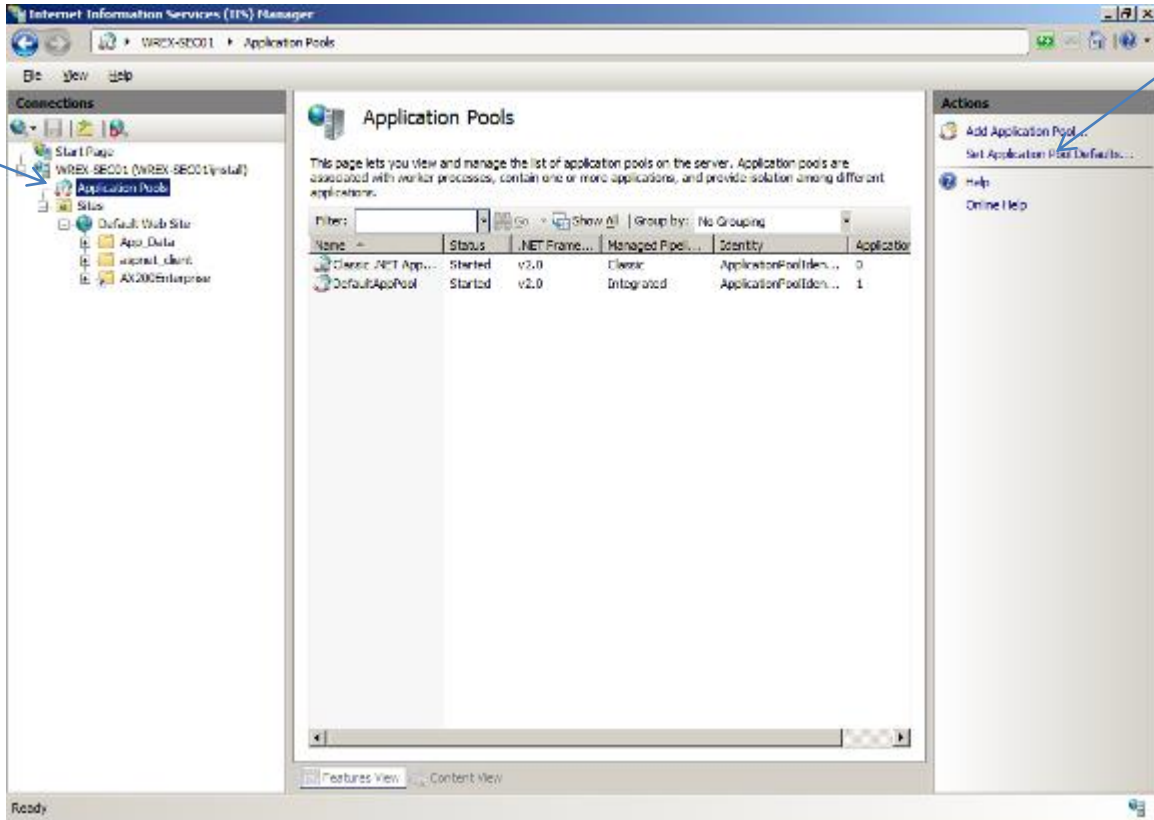


Repeat on Default website and PC, move the cursor from that field and click apply

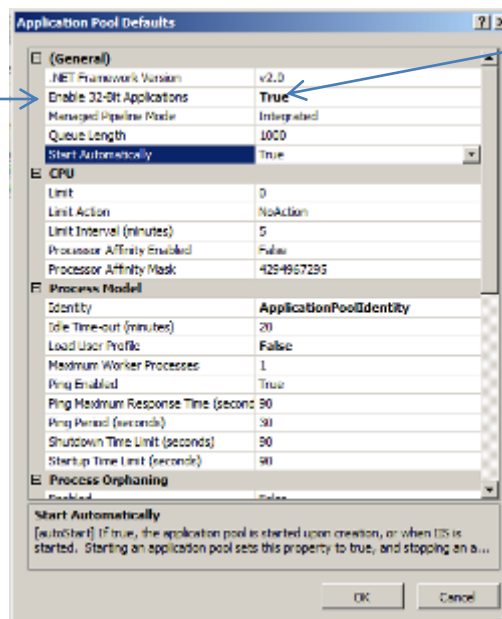


Web Server Guide

26. Set the application pool to 32 bit as AX Enterprise uses 32 bit dlls. To do that, inside the Manager -> Click on Application pool (not required on 32 bit version of windows server 2008)

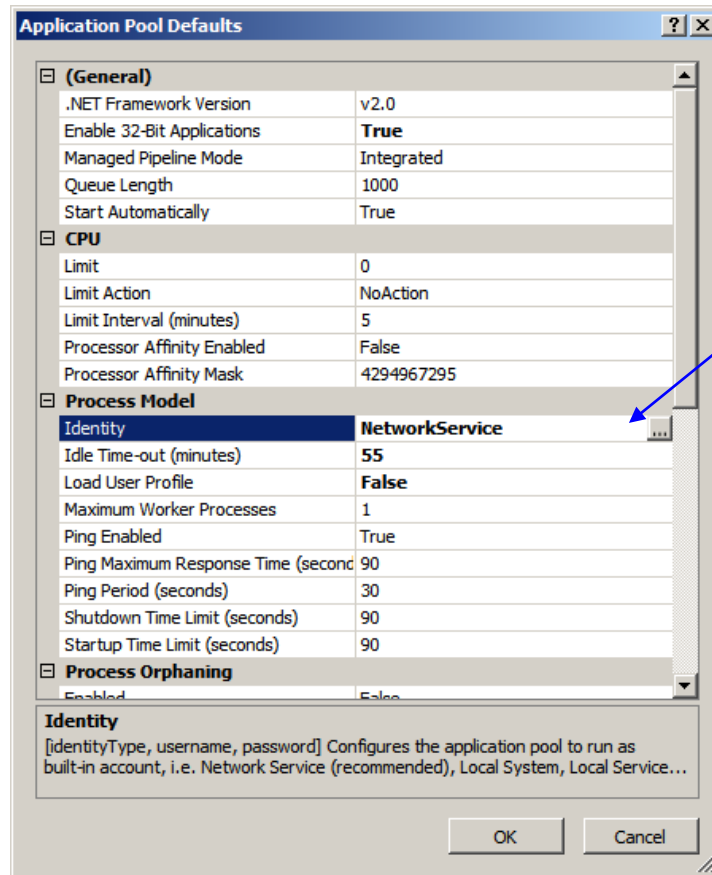


27. On the Action panel on the right hand side of the screen, click on Set Application Pool Defaults

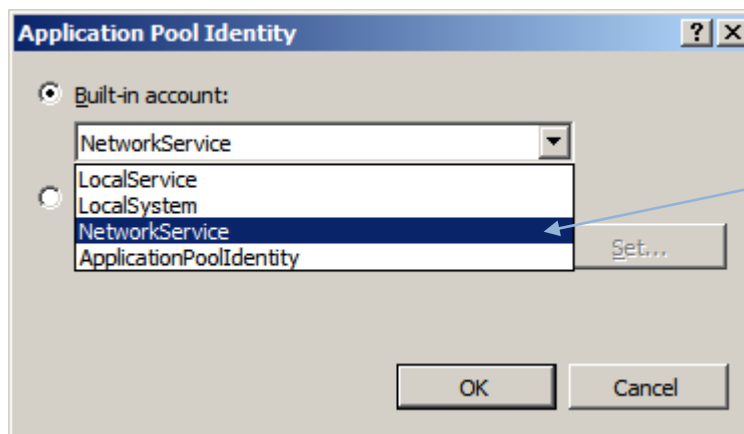


Web Server Guide

28. Change Enable 32-Bit Application to True. Now change the Identity field to NetworkService. To do this click the button at the end of the Identity field, as shown below (this is required on 32 bit windows)



Change the drop down box marked Built-in account to NetworkService, Click OK to accept.



Click OK on the application pool defaults screen and Restart IIS Manager. Now close IISManager.

Web Server Guide

29. Now copy the file 'Global.asa' from the C:\Program Files (x86) Card manage and copy it into the directory, C:\inetpub\wwwroot. Now Restart IIS Manager to take effect, or reboot the PC.

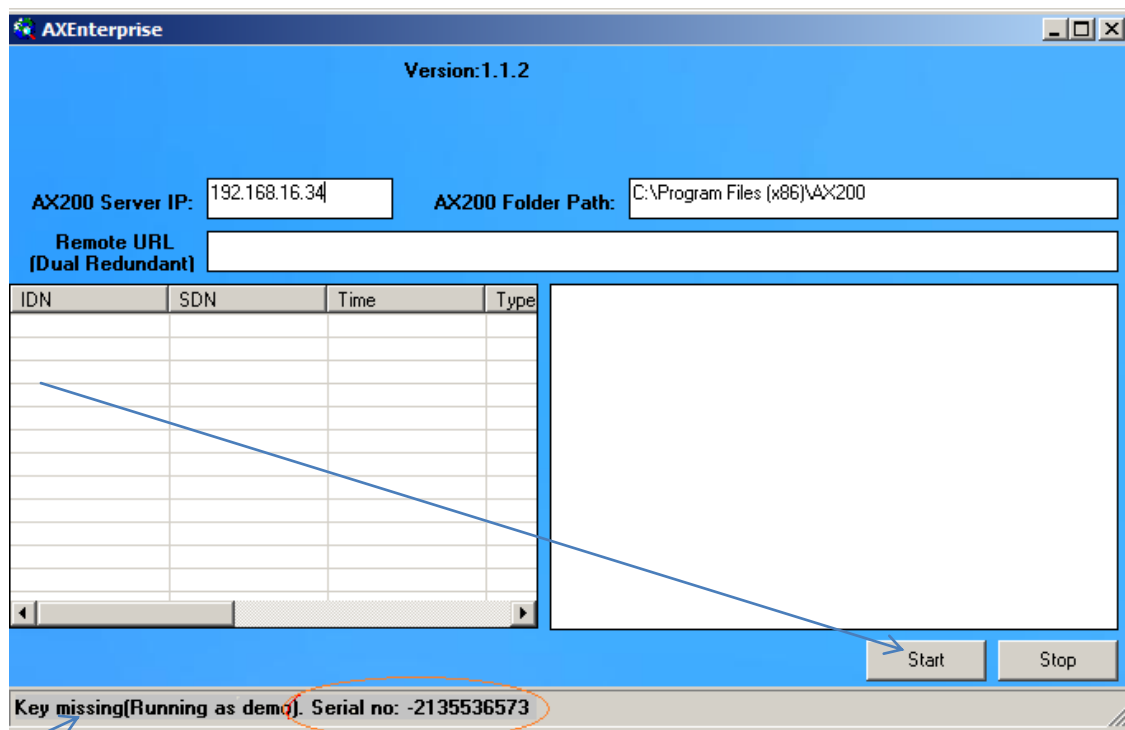
Note: Ensure the PC has a Static IP address.

30. Once this is completed, you can start the AX200 software, and set the IP settings up, by going to Access point/Device Manger /PC Server. Now start the Card manage, found on the Desktop as a global icon



The screen below will appear, set the AX200 Server IP to the IP you set in the AX200, and the AX200 folder path: to the path where the AX200 is kept. Click start and the Card manage will start.

If this screen does not appear, you can find it in the bottom right hand corner, click on the icon and it will appear.



Note: If you have not yet got a license key it will show it the bottom of the window.

31. Now start Internet Explorer, type your http site in e.g. `http://___.___.___.___/AXEnterprise`. The Login page should appear.

Note: Internet explorer 8 and Internet explorer 9 are supported.

Web Server Guide

32. Next you need to Enable the Active X controls on Internet Explorer, go to the Internet option-Security Tab –Trusted sites - Custom Level button:

Enable Allow previously unused ActiveX controls to run without prompt

Enable Allow Scriptlets

Enable Automatic, prompting for ActiveX controls

Enable Binary and scripts behaviours

Enable Display video and animations on a webpage that does not use external media player

Enable Download signed ActiveX controls

Enable Download unsigned Active X controls

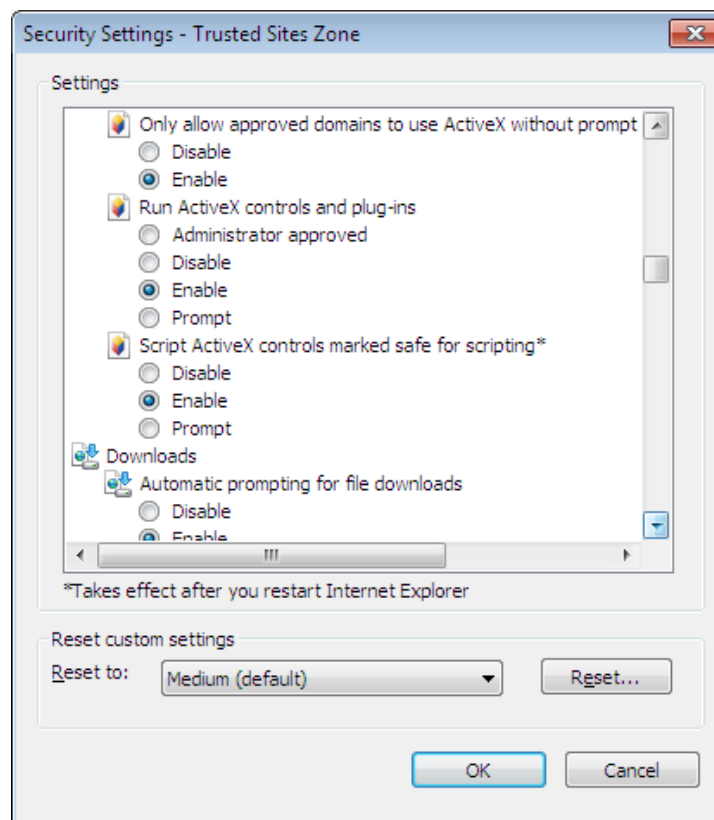
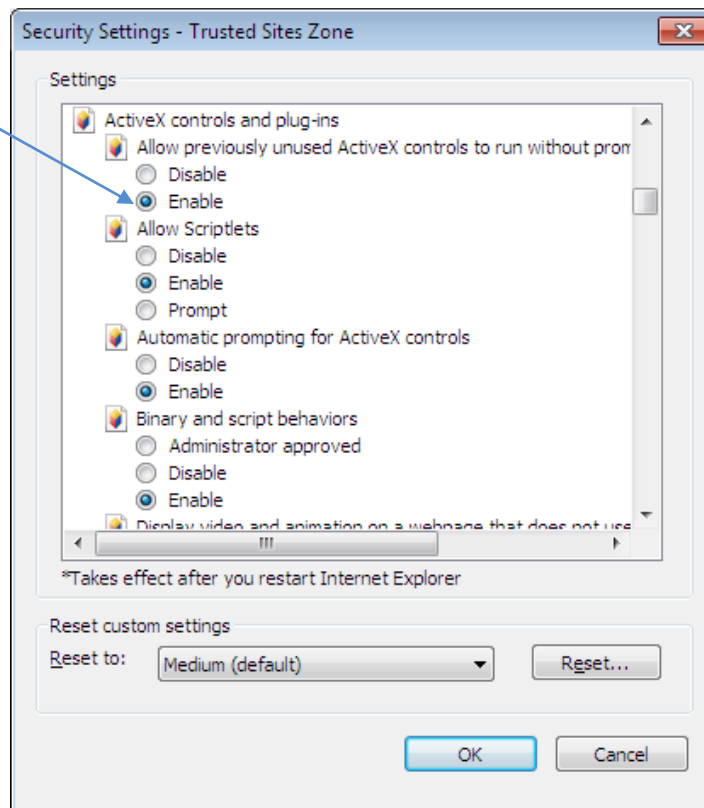
Enable Initialize and script ActiveX controls not marked as safe for scripting

Enable Only allow approved domains to use ActiveX without prompt

Enable run ActiveX controls and plug-ins

Enable Script Active controls marked safe for scripting

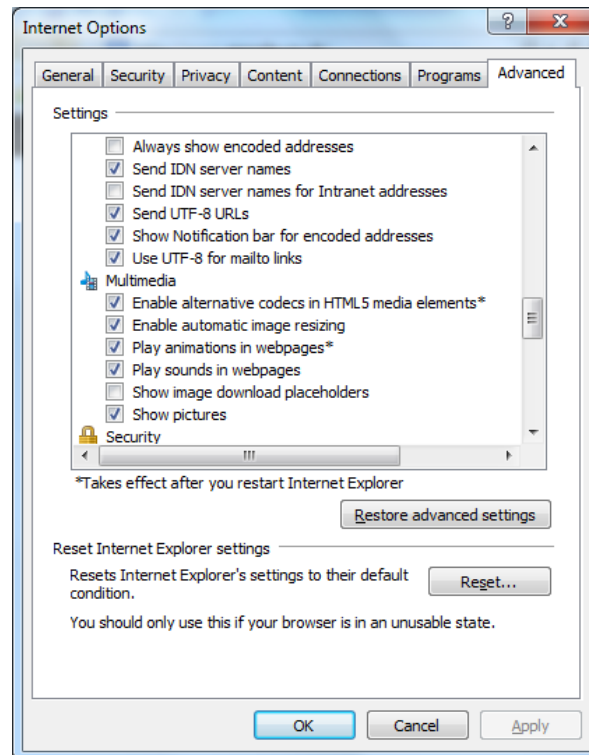
Web Server Guide



Web Server Guide

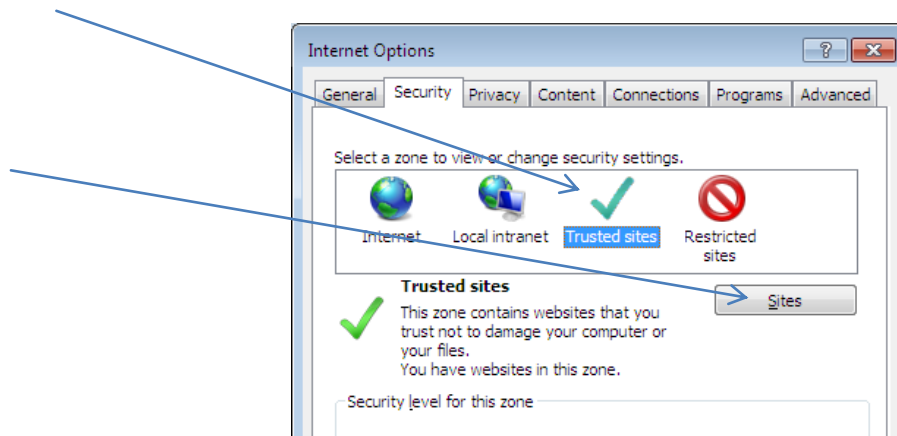
After the above changes click OK

33. In the Internet Options screen select the Advanced Tab. Find Multimedia and Tick Play animation in webpages. Please note this applies to Internet Explorer 9 or Higher.



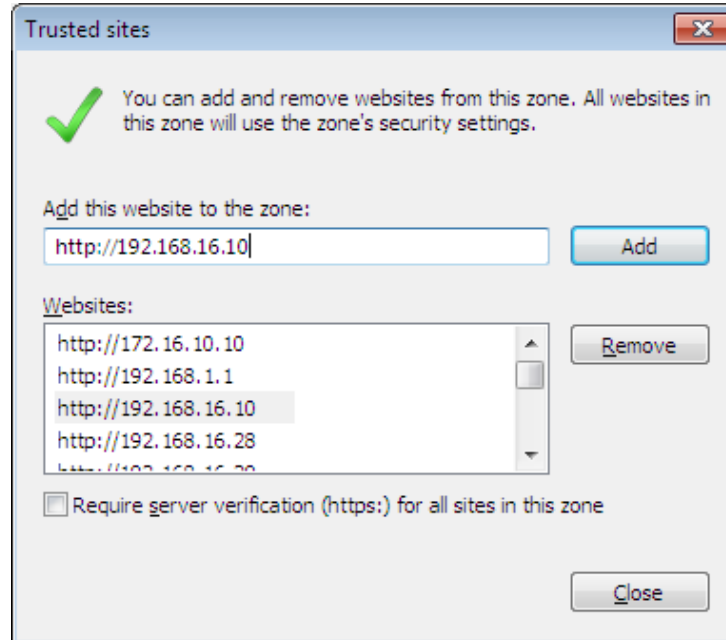
Click OK. Now restart Internet Explorer.

34. When using the AX Enterprise either on Server or as a Client, you need to add it to the trusted sites. You can do this by going to the Tools - Internet Options - Security Tab – Trusted Sites – 'Sites' Button.



Web Server Guide

Type in your IP address and click Add and close, (the IP Address should already be filled in, if you are on your AX Enterprise screen)

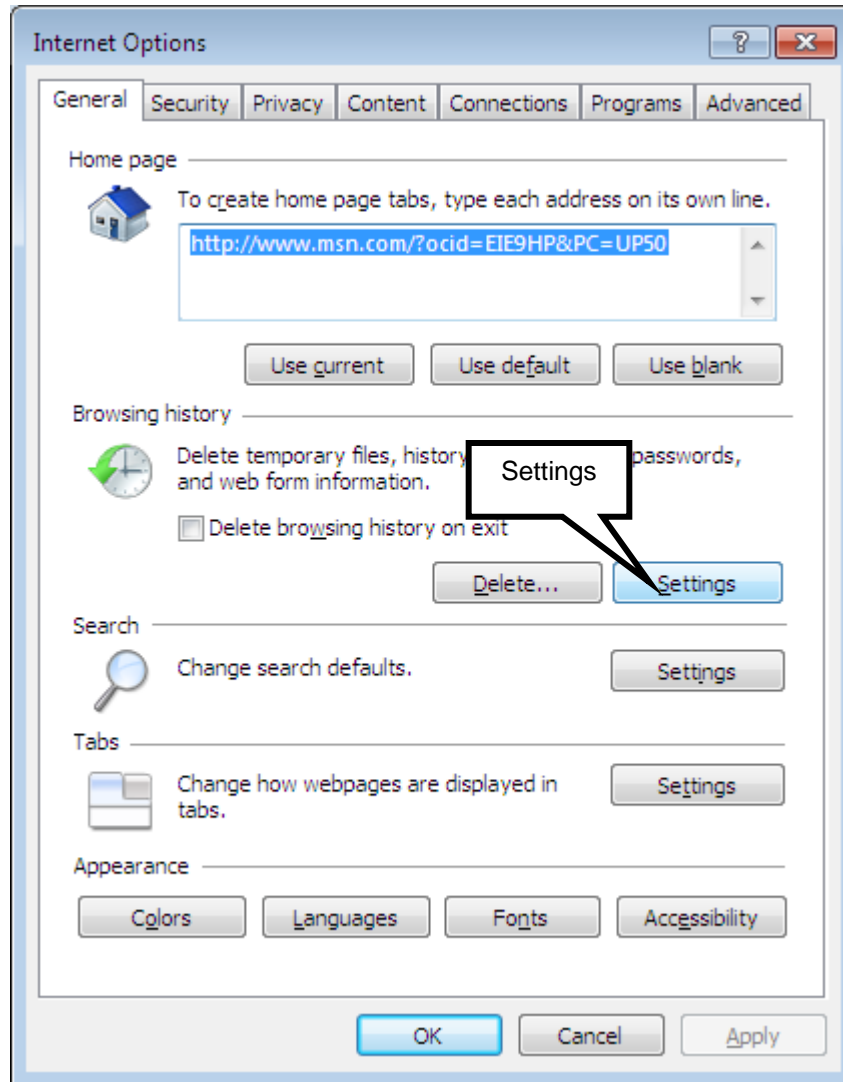


35. Next Open Internet Explorer and select Tools and Internet Options.



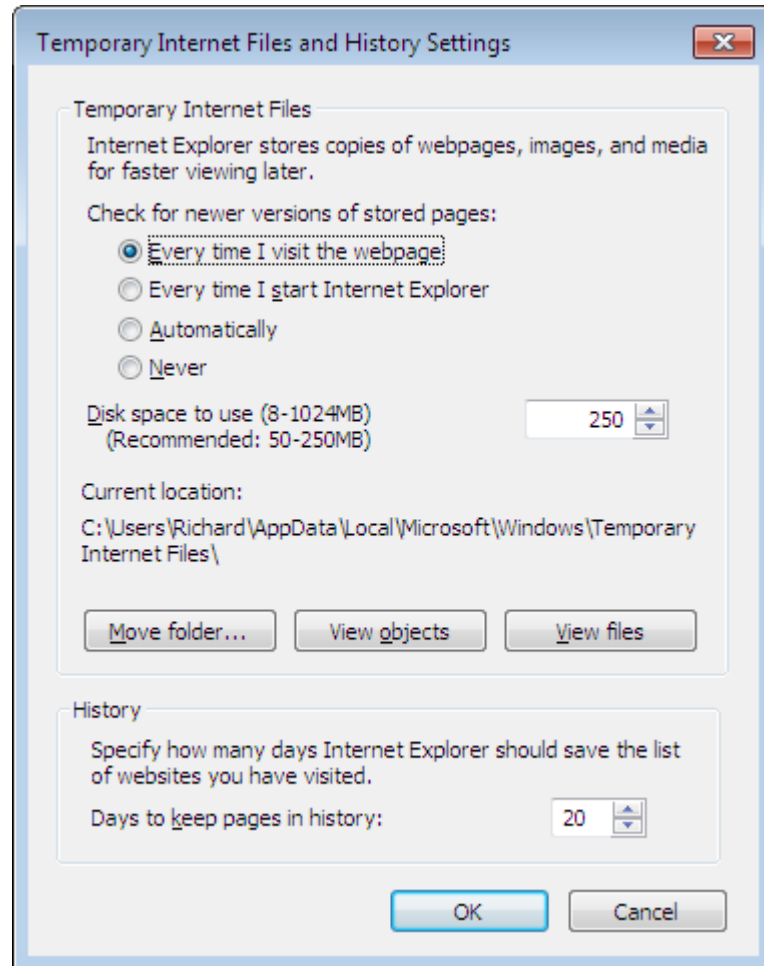
Web Server Guide

36. In the General Tab, click Settings in Browse History



Web Server Guide

37. Then select the 'Every time I visit the webpage button'



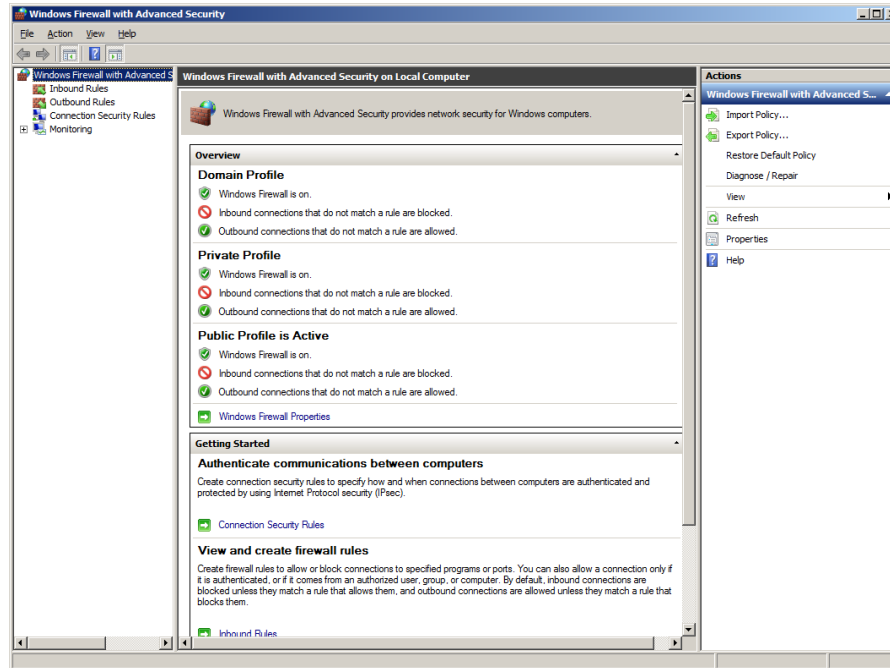
Then Click OK.

Web Server Guide

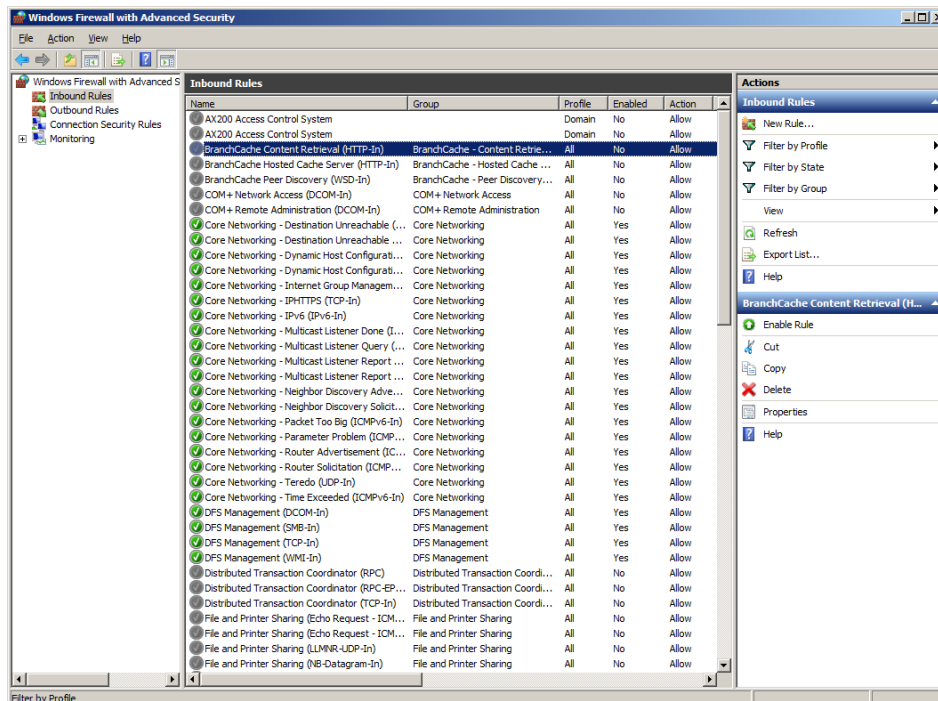
Setting up the Firewall to allow the AX Enterprise to communicate

Configuring Firewall on Server 2008 R2 for AX Enterprise.

38. Go to Control Panel - Administrative Tools - Windows Firewall with Advanced Security.

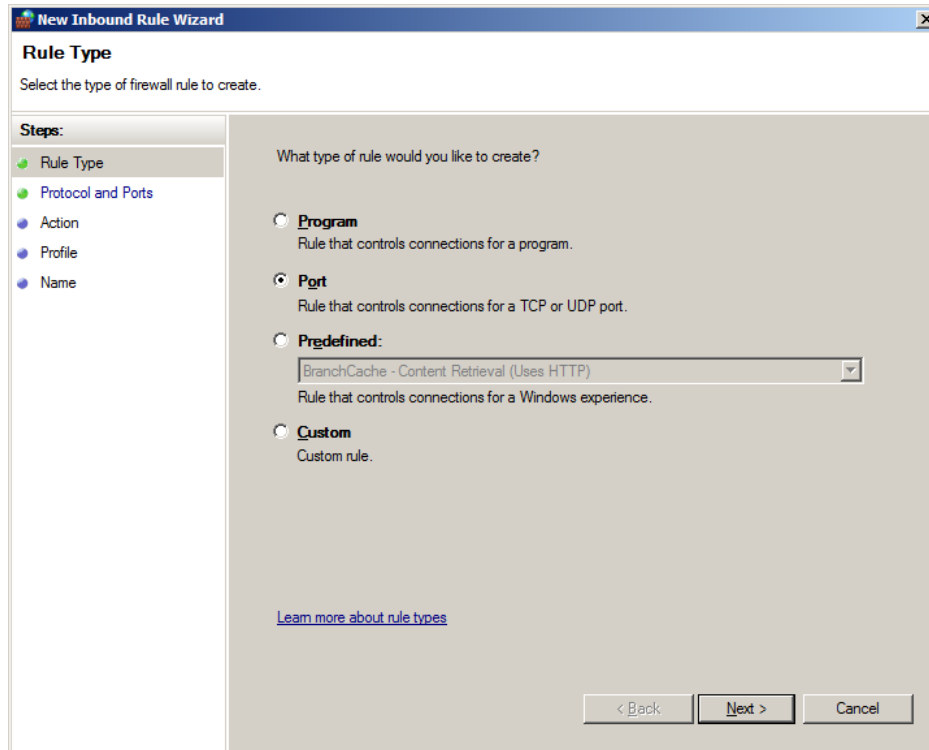


39. Select Inbound rules



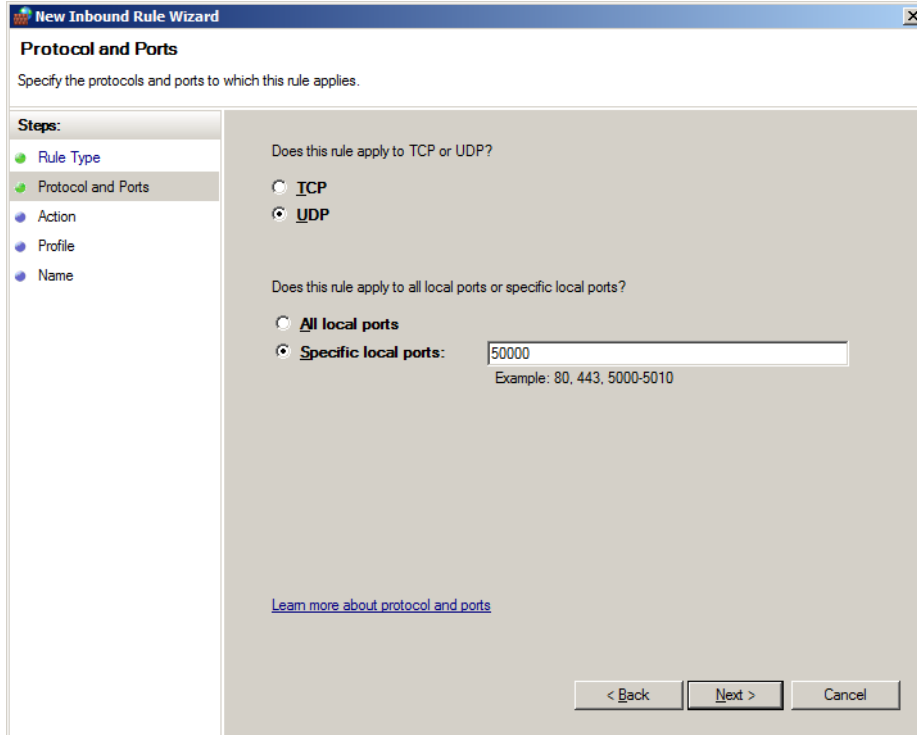
Web Server Guide

40. Click New rule



41. In Rule Type wizard select Port and click next

Web Server Guide

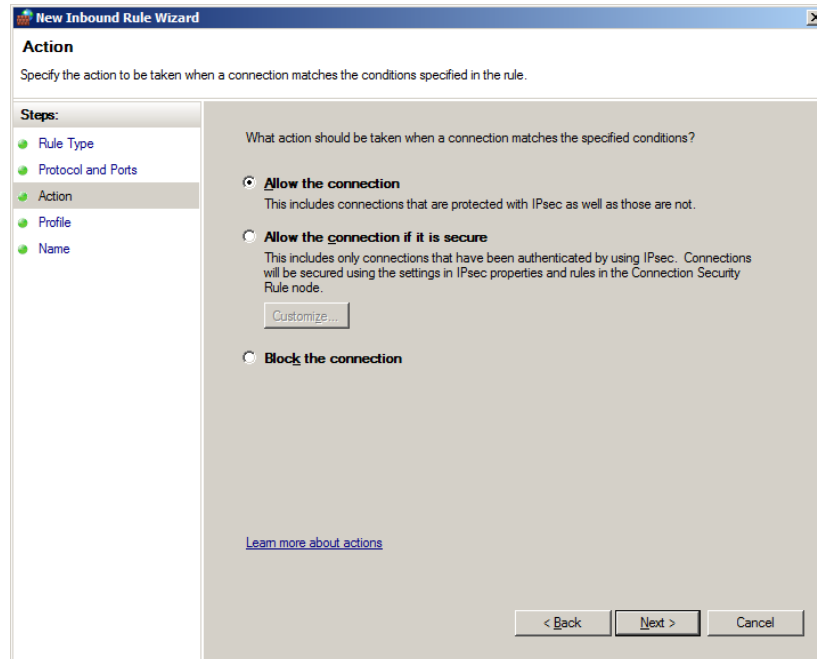


42. In the protocol and port number, enter UDP or TCP and the port number. There are a number of port numbers to be added, in the screen shot UDP has been selected and port 50000. Refer to the table for protocol and port numbers (these will be added one at a time)

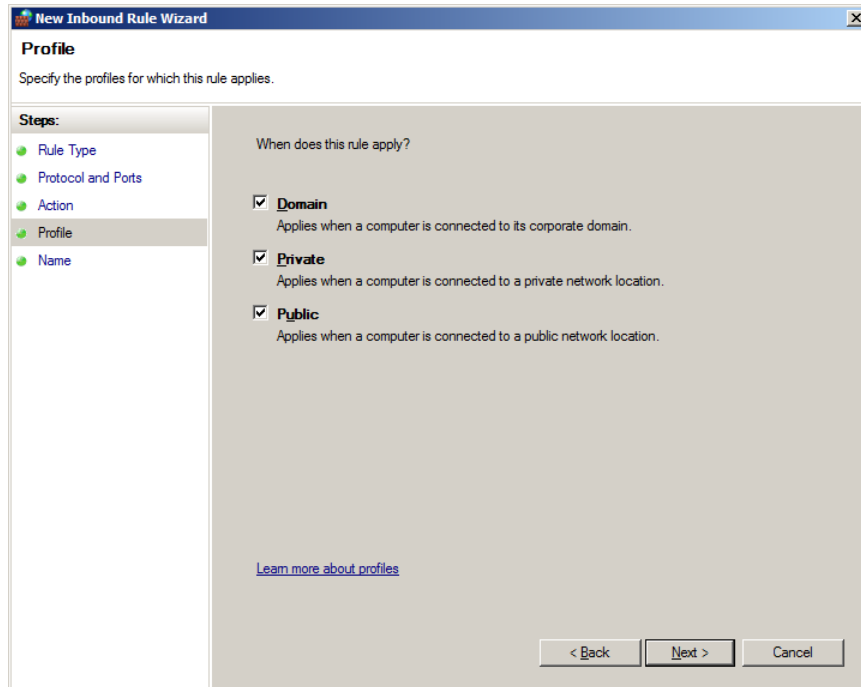
Protocol	Port Number	Title	Description
UDP	50000	UDP50000	Environment
UDP	50010	UDP50010	Client
UDP	50011	UDP50011	Client
UDP	50012	UDP50012	Alarm Module
UDP	50013	UDP50013	Alarm Module
UDP	1818	UDP1818	Comms
UDP	4848	UDP4848	Comms
TCP	4782	TCP4782	AX Enterprise
TCP	50050	TCP50050	Dual redundancy
TCP	50505	TCP50505	Comms I-Box
TCP	4783	TCP4783	AX Enterprise

43. Click Next

Web Server Guide

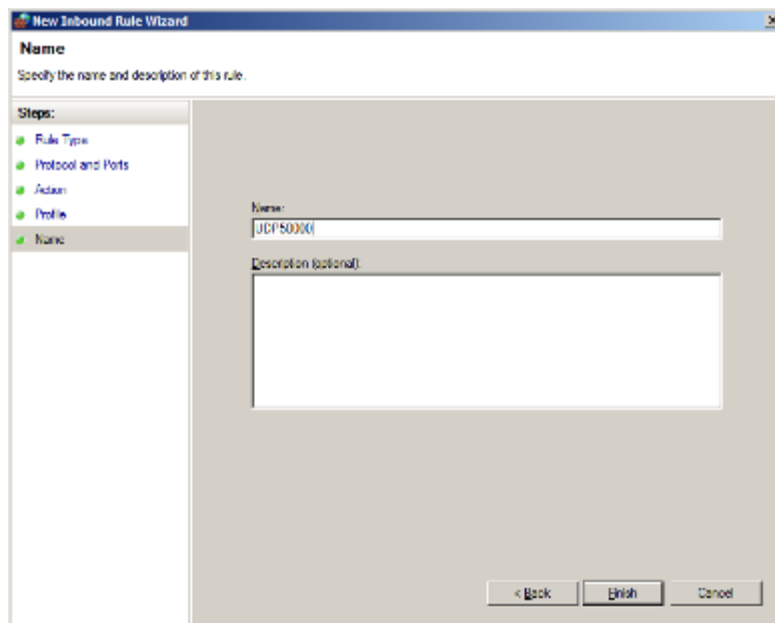


44. Confirm the action as allow connection. Click Next

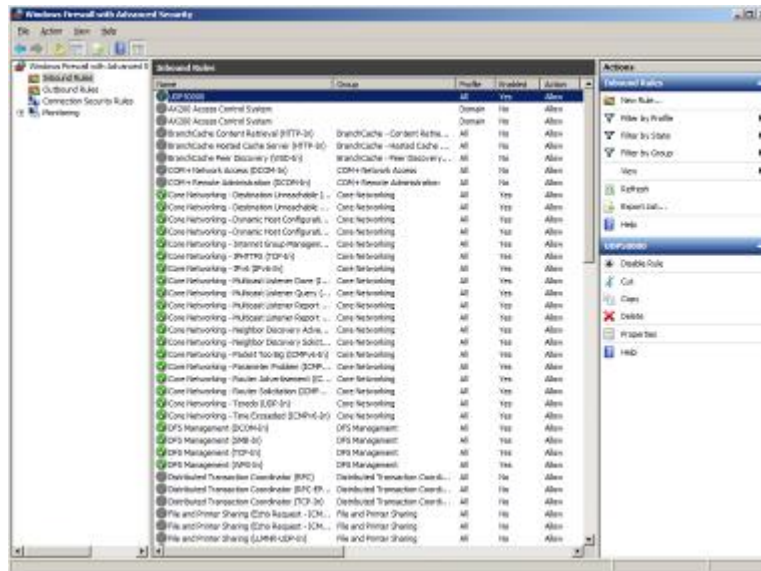


45. Under Profile confirm Domain, Private, and public are selected. Click Next

Web Server Guide

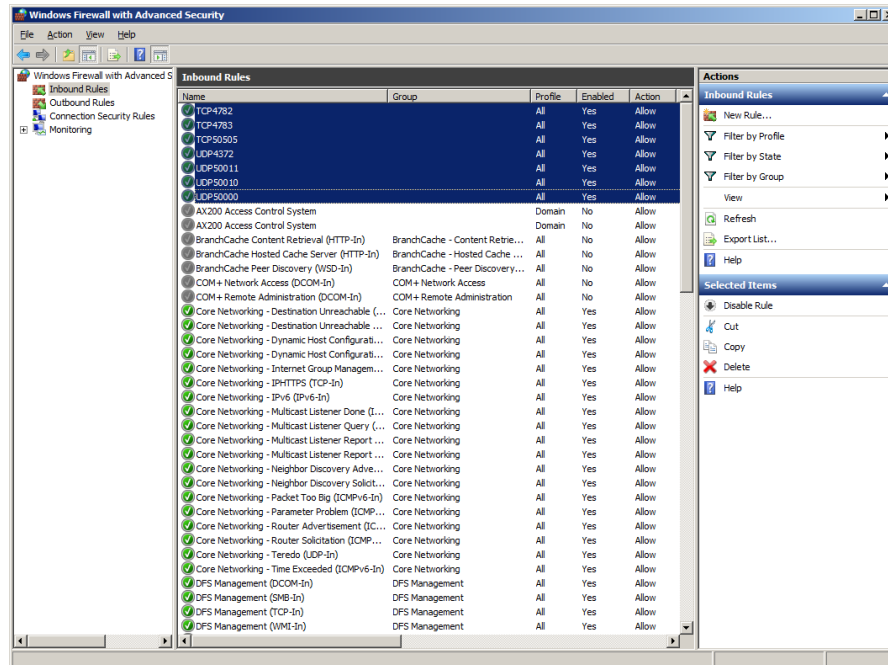


46. Specify the description to match the port number and protocol – Example UDP50000
47. Click finish



48. The Rule will now appear in the Rule list.
49. Repeat this procedure until all Rules are added.

Web Server Guide



50. Exit the Firewall.

AX Enterprise Installation Windows 7

Configuring IIS 7

This applies to, Windows 7. Please follow the instructions below.

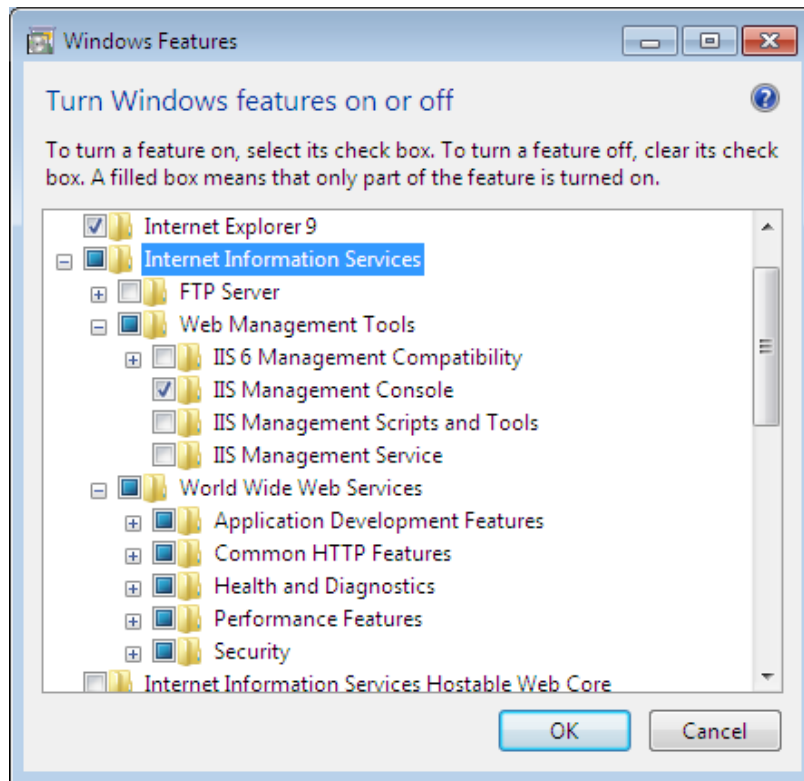
Please do not install the AX200 or the AX Enterprise. You will be prompted later in this document

To Install IIS 7

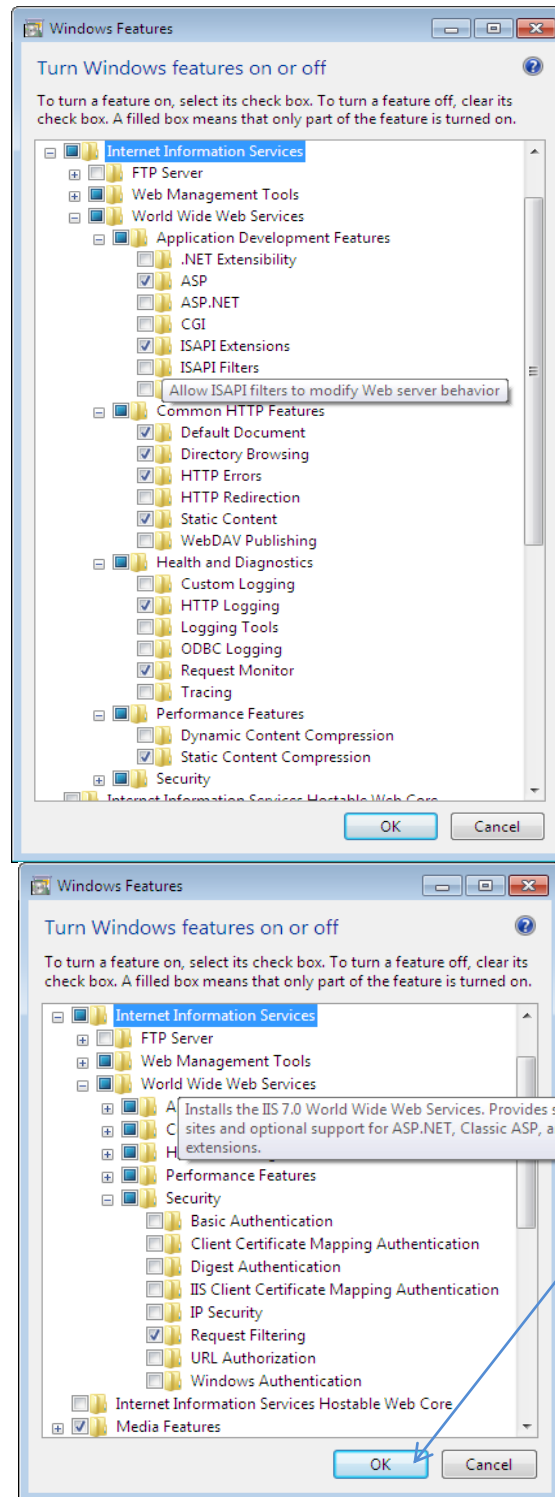
You must be a member of the Administrators group to install IIS 7.

1. Click **Start** and then click **Control Panel**.
2. In Control Panel, click **Programs and Features** and then click **Turn Windows features on or off**, found on the left hand column.
3. In the Windows Features dialog box, click **Internet Information Services** please check below that the correct tick boxes are ticked.

Web Server Guide



Web Server Guide



For AX Enterprise please check ASP and ISAPI Extension are ticked and installed.

4. After checking the correct boxes are ticked, now click **OK**. Installing of IIS will begin.

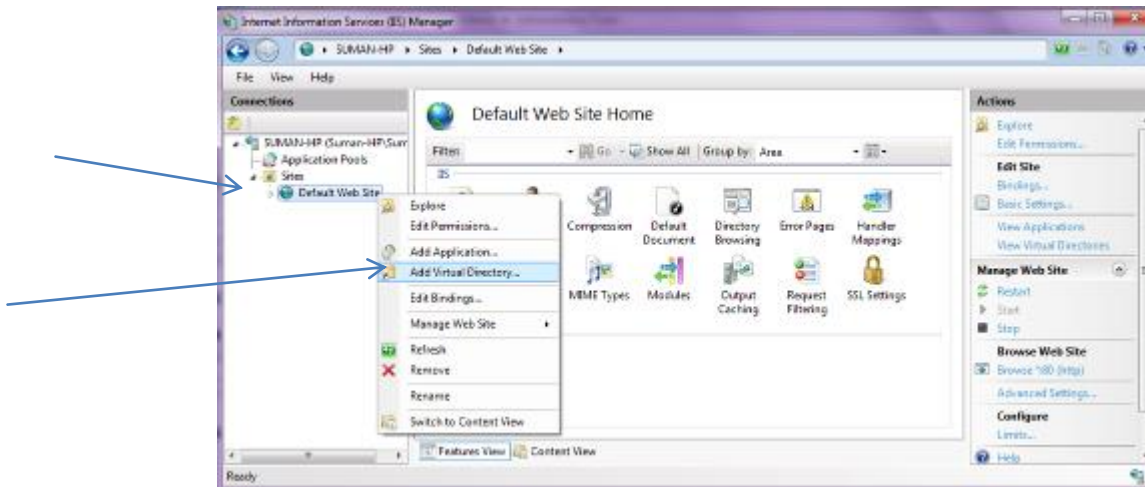
Web Server Guide

5. After installing IIS. Please check to see if IIS is working, to do this by typing <http://localhost> to Internet Explorer, the screen below should appear. Now close the Internet Explorer when finished.

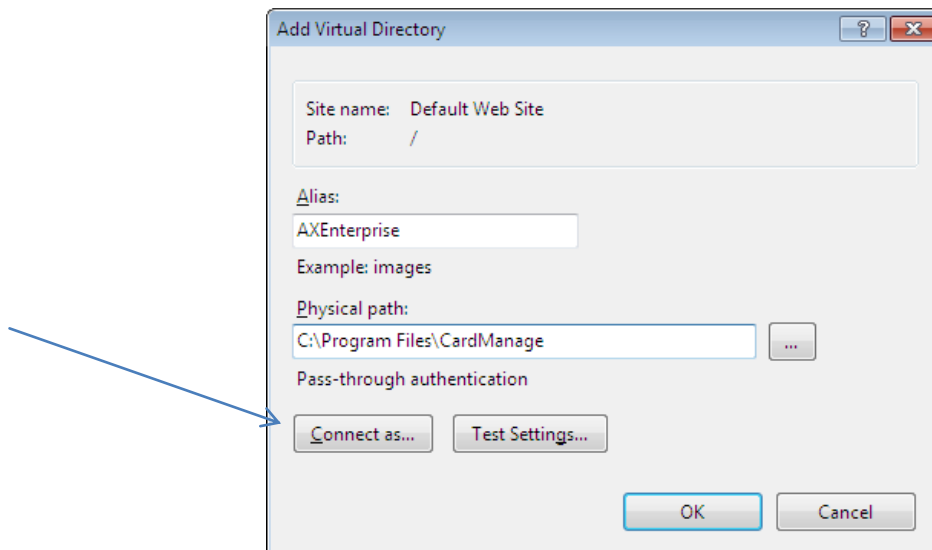


6. Run setup.exe of AX200 this is located in the AX200 installation folder.
7. Run setup.exe of AX Enterprise this is located in the AX Enterprise installation folder.
8. Run Upload.exe (application) located in the Installation folder of the AX Enterprise, under Upload – Upload.exe (An 'Error registering COM+ Application' will appear if you have installed the Run Upload before).
9. Go to Control panel-Administrative tools-IIS Manager. Select Add Virtual directory by right click on the default web site.

Web Server Guide

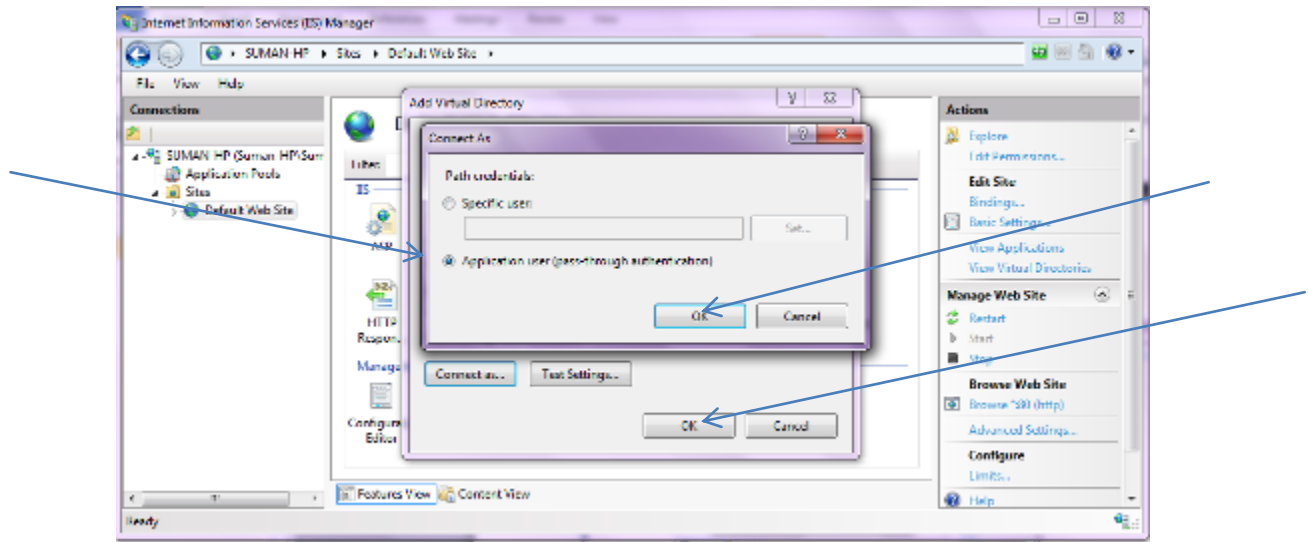


10. Enter Alias as: AXEnterprise. Enter the Physical path to Card manage directory
Note: This may be c:\programfiles(x86)\cardmanage



11. Click 'Connect as' and ensure application user pass though authentication is selected.
12. Then click OK and click ok in Add Virtual Directory.

Web Server Guide

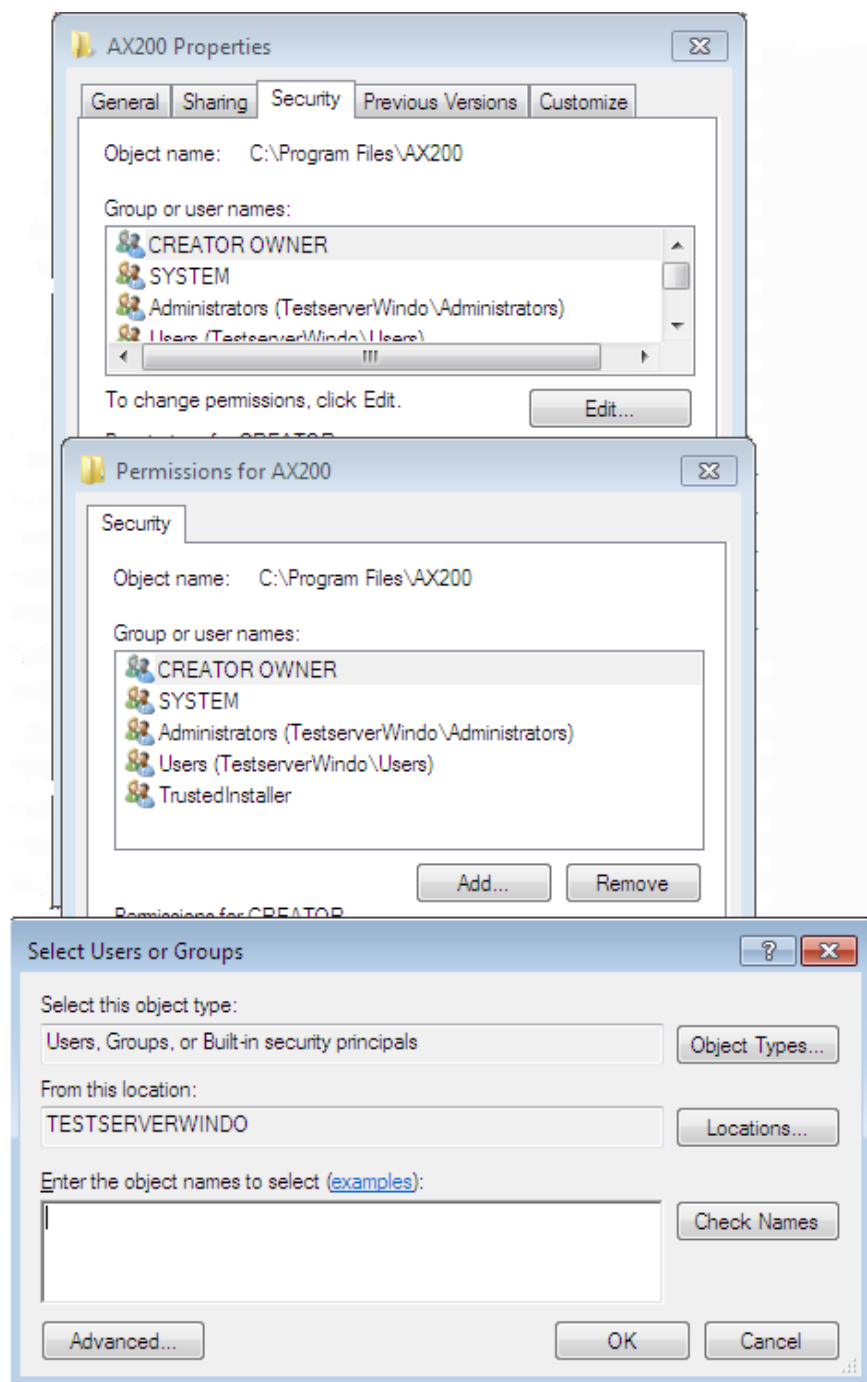


13. This will connect the user IUSR for IIS user. The IUSR account replaces the IUSR_Machine Name account in IIS. Close IIS Manager.

14. Now browse to the AX200 folder directory and right click and go to the properties of the AX200 folder. Now go to the security tab and add the user IUSR and set to full control. To add the user click edit, now click add on the permissions screen. Click on the Advanced.

- Everyone (Full Control)
- IIS_IUSRS (Full Control)
- Network (Full Control)
- Network Service (Full Control)
- Users (Full Control) (Normally already added but needs to be set to full control)

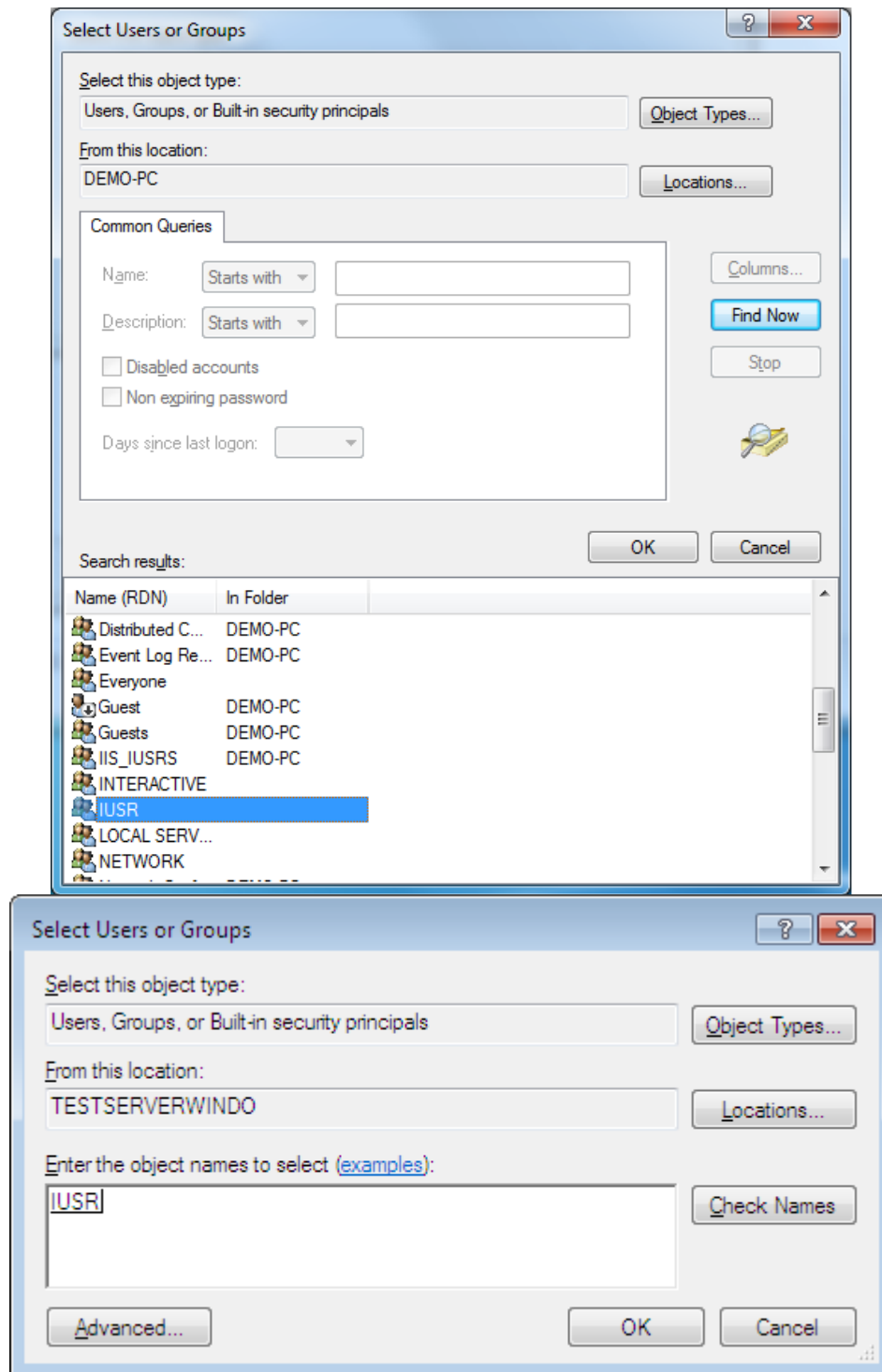
Web Server Guide



Note: Please check the location. This should be set as your PC Name.

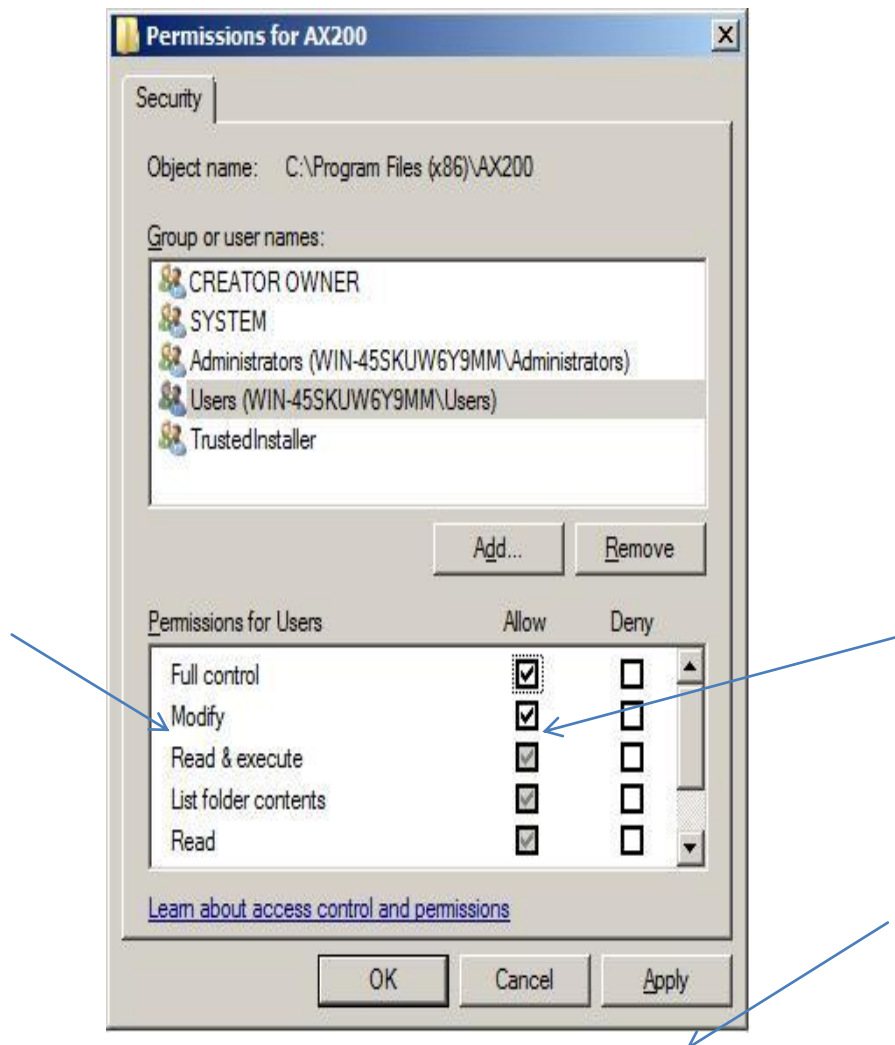
15. The screen below will appear when clicked on advanced button, then press Find Now, highlight IUSR in the list and click 'OK'.

Web Server Guide



16. Click OK and it will now be added to the User Names in the Properties Screen, set IUSR as full control.

Web Server Guide



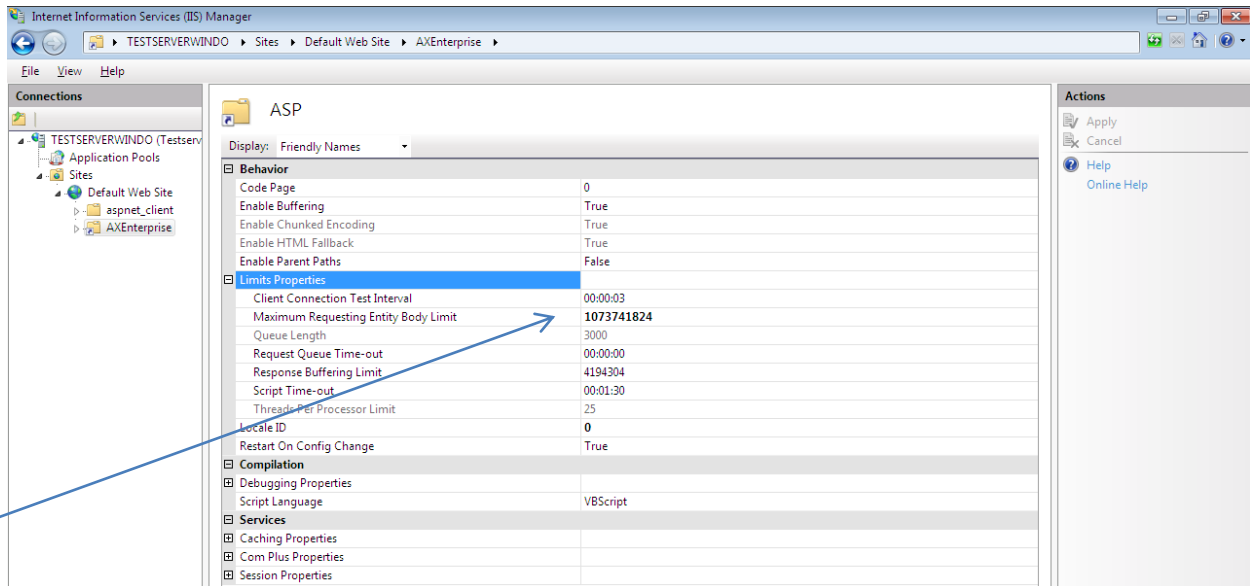
17. To change the users to full control, go to the Permission screen and highlight the user and tick the box marked Full Control and click Apply. As shown above.

Do this to both AX200 and Card manage folders Properties.

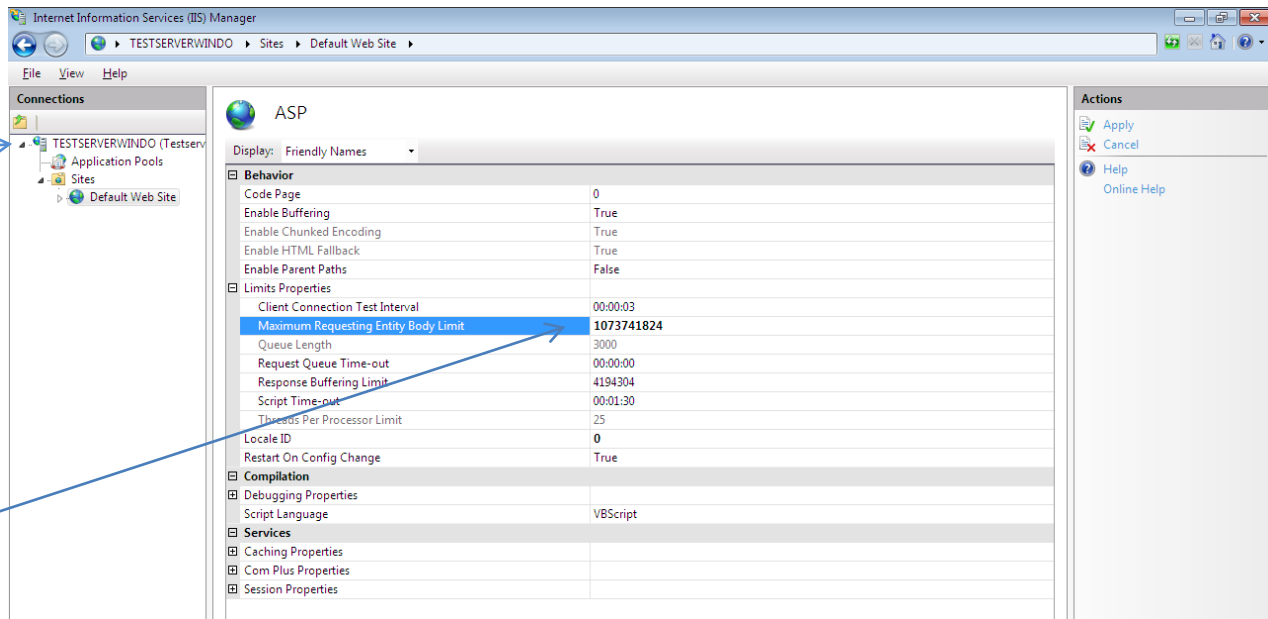
Repeat steps 14 to 17 on the Card Manage folder

18. Now go to control panel ---administrative tools—Open IIS manager. Expand Sites node—click on AX Enterprise mode---on the right pane double click on ASP icon. Expand Limit Properties node---Change the value of Maximum Requesting Entity Body limit from 200000 to 1073741824. Move the cursor from that field and click apply.

Web Server Guide



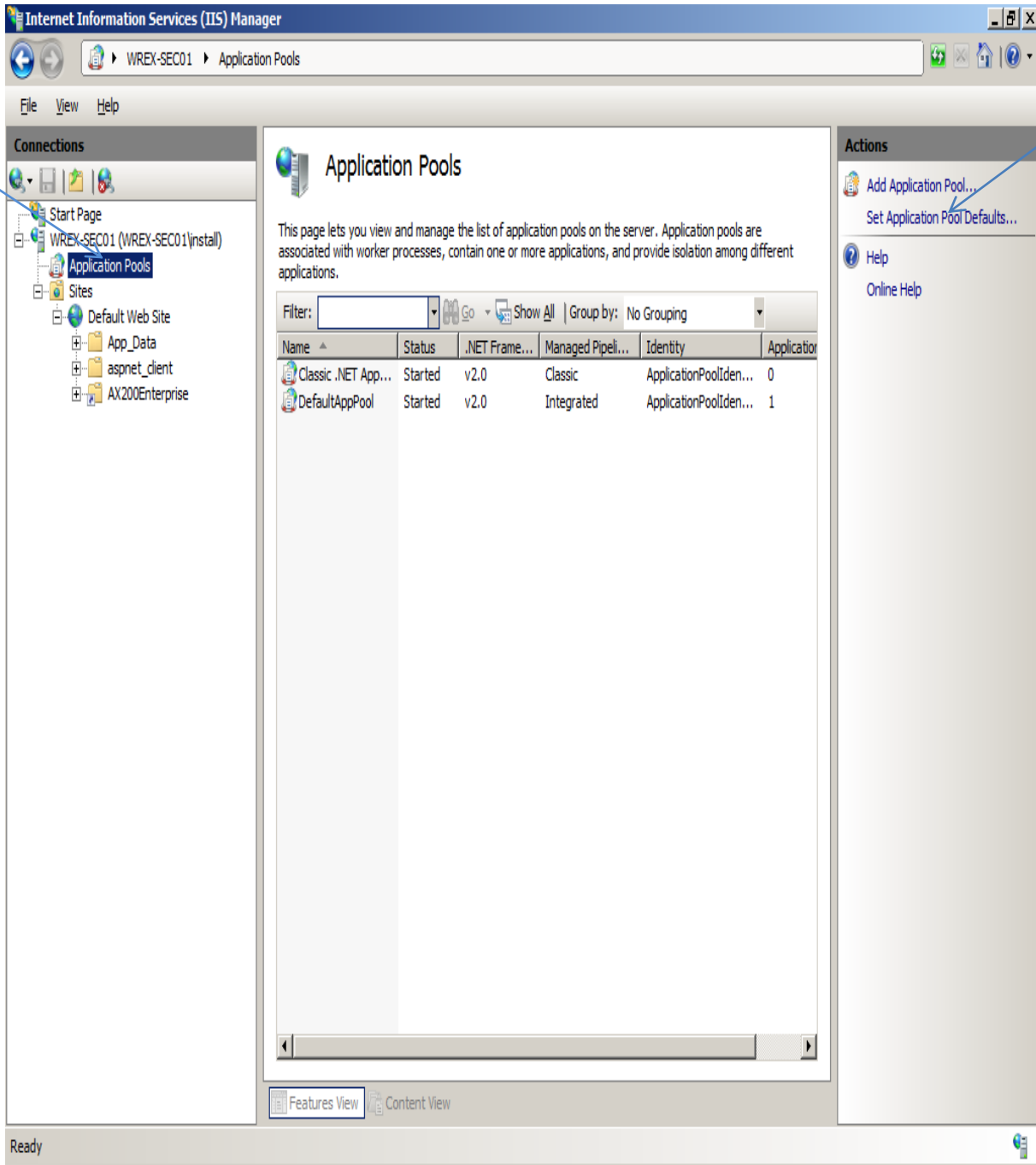
19. Repeat on Default website and the PC. Move the cursor from that field and click apply



20. Applicable on Windows 7 64 bit only:

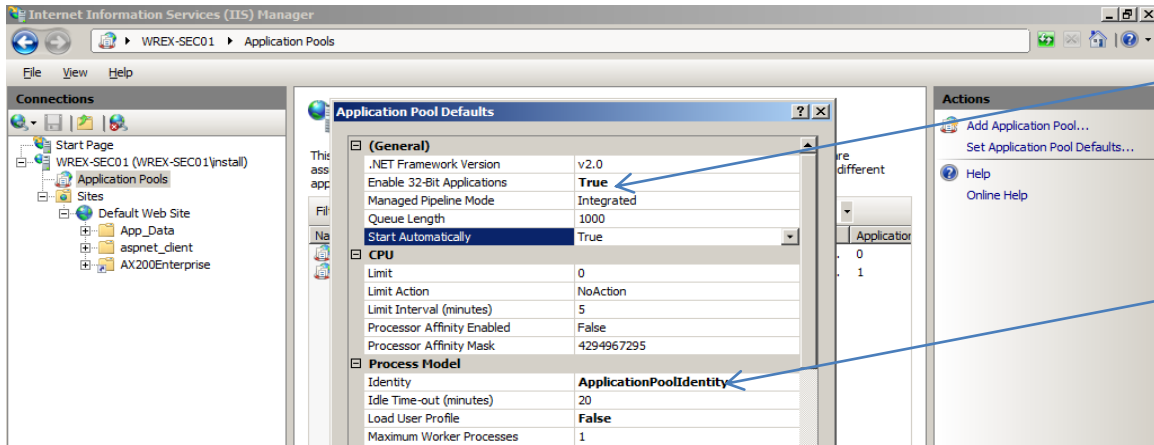
You have to set the application pool to 32 bit as enterprise uses 32 bit dlls. To do that Go to IIS-->Click on Application pool

Web Server Guide

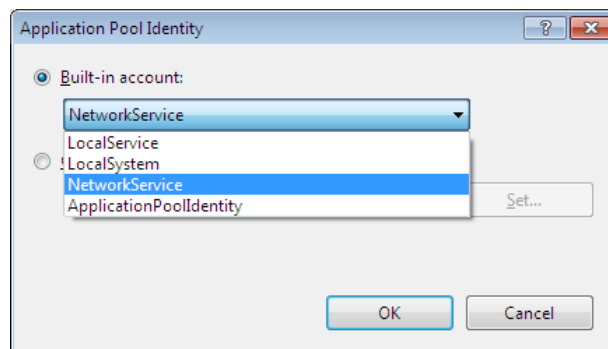


On the Action panel on the right hand side of the screen, select Set Application Pool Defaults, change Enable 32-Bit Application to True, and set the Identity to NetworkServices by clicking on the text box

Web Server Guide

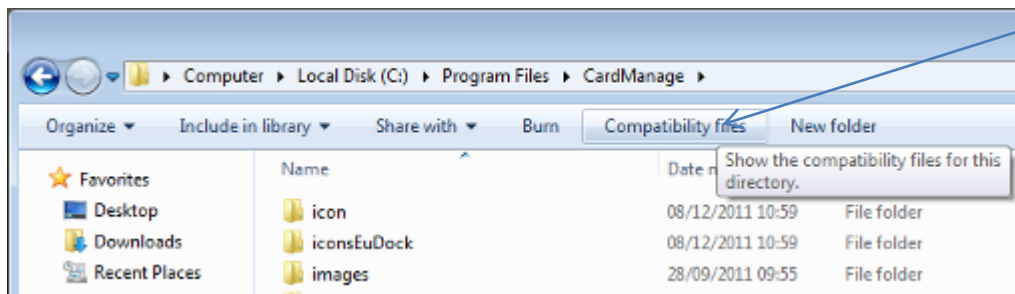


21. Then selecting NetworkService from the dropdown menu.



22. Now can you copy the file 'Global.asa' from the C:\Program Files\Card manage and copy it into the directory, C:\inetpub\wwwroot. Now Restart the IIS to take effect.

23. Start AX200 and AX Enterprise, this will create files, then go to the Card manage folder, Click the Compatibility files, there should be 3 files in there, copy them to Card manage folder.



24. Once this is complete you, start the AX200 software, and set the IP settings up, by going to Access point/Device Manger /PC Server. Now start the Card manage, found on the Desktop as a global icon

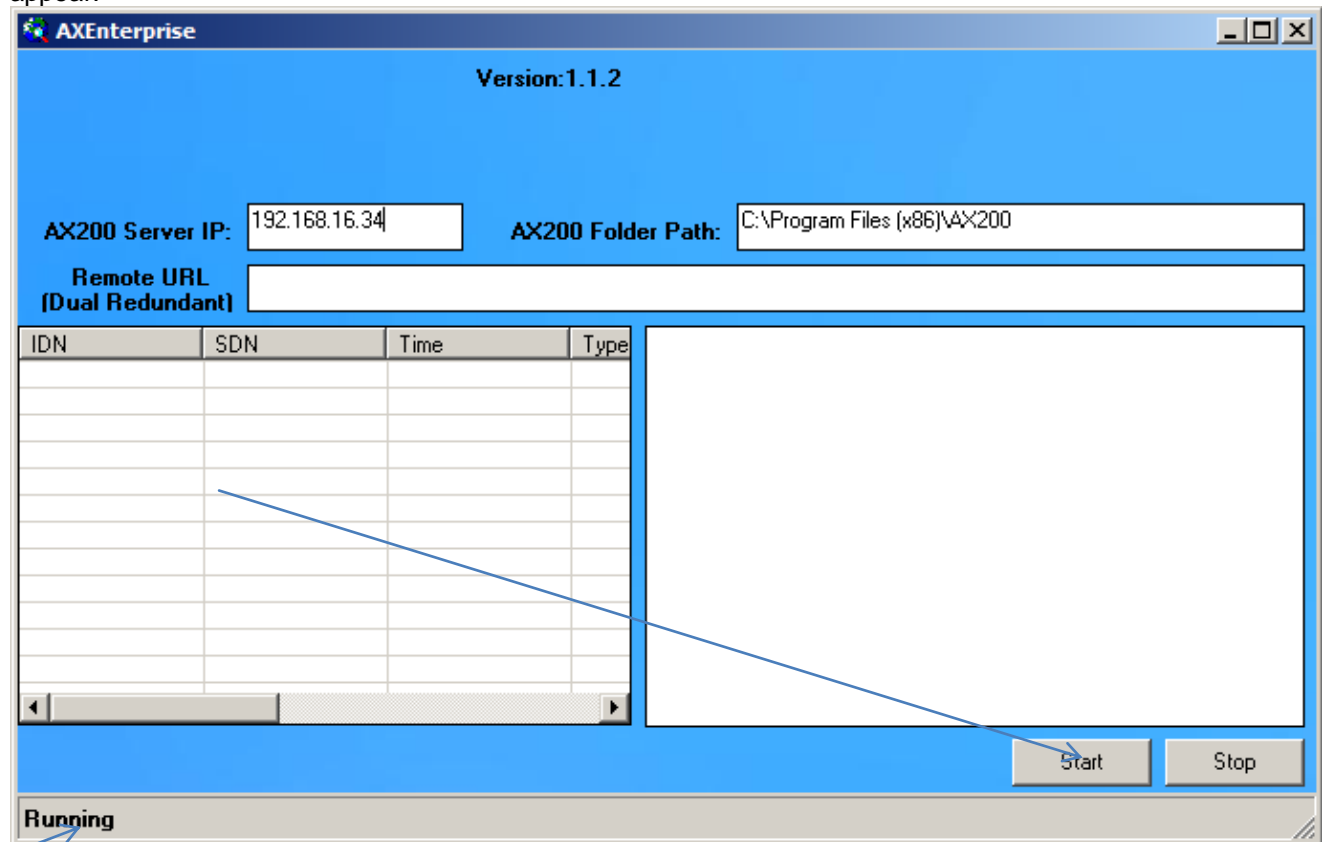
Web Server Guide

Note: Ensure the PC has a Static IP address.



The screen below will appear, set the AX200 Server IP to the IP you set in the AX200, and the AX200 folder path, to the path where the AX200 is stored. Click start.

If this screen does not appear, you can find it in the bottom right hand corner, click on the icon and it will appear.



Note: If you have not yet got a license key it will show here.

25. Now start Internet Explorer, type your http site in e.g.
26. `http://___.___.___/AXEnterprise`. The Login page should appear
27. Next you need to Enable the Active X controls on Internet Explorer, go to the Internet option- Security Tab –Trusted sites - Custom Level button:

Web Server Guide

Enable Allow previously unused ActiveX controls to run without prompt

Enable Allow Scriptlets

Enable Automatic, prompting for ActiveX controls

Enable Binary and scripts behaviours

Enable Display video and animations on a webpage that does not use external media player

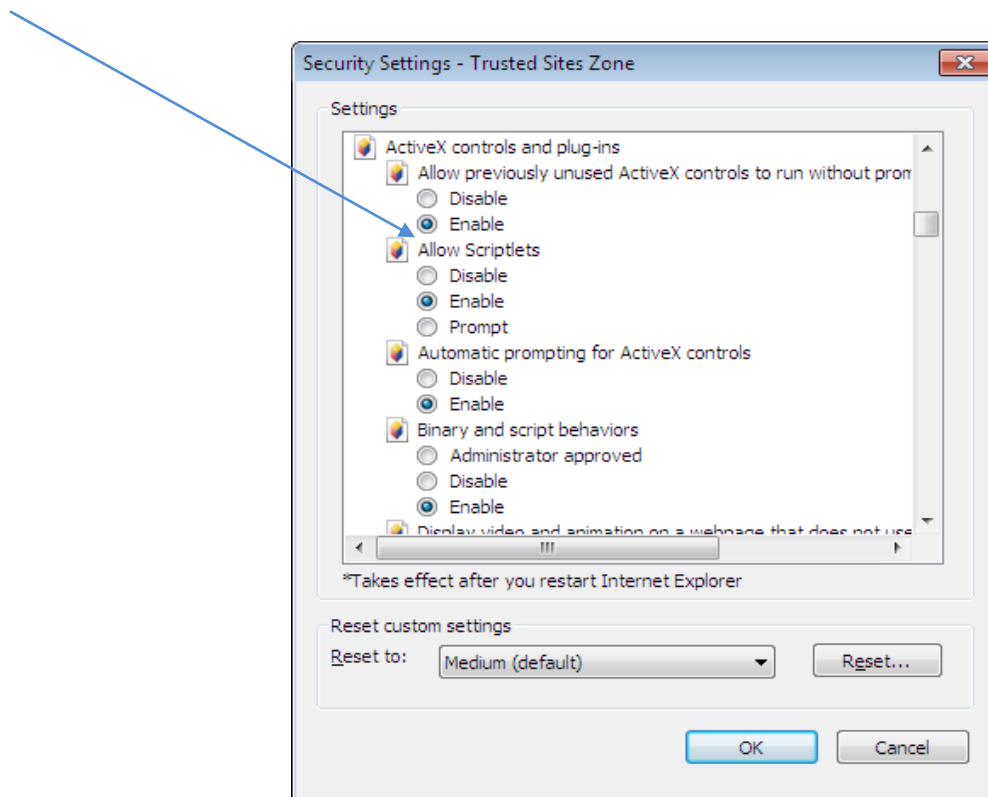
Enable Download signed and unsigned. ActiveX controls

Enable Initialize and script ActiveX controls not marked as safe for scripting

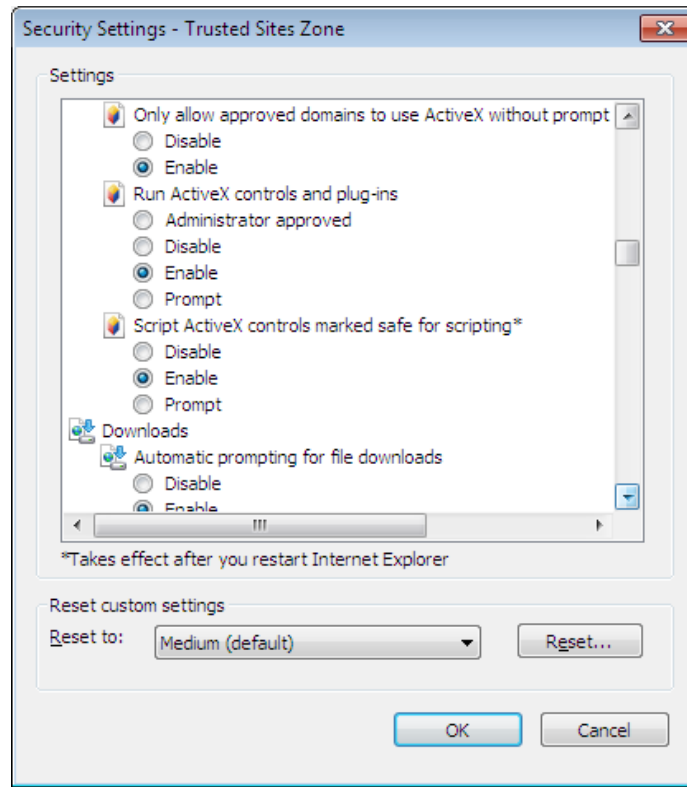
Enable Only allow approved domains to use ActiveX without prompt

Enable run ActiveX controls and plug-ins

Enable Script Active controls marked safe for scripting



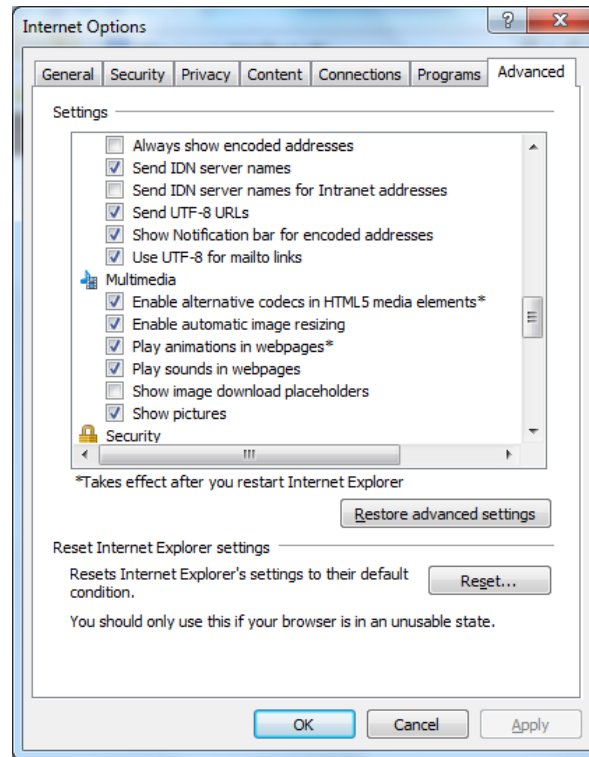
Web Server Guide



After the above changes click OK

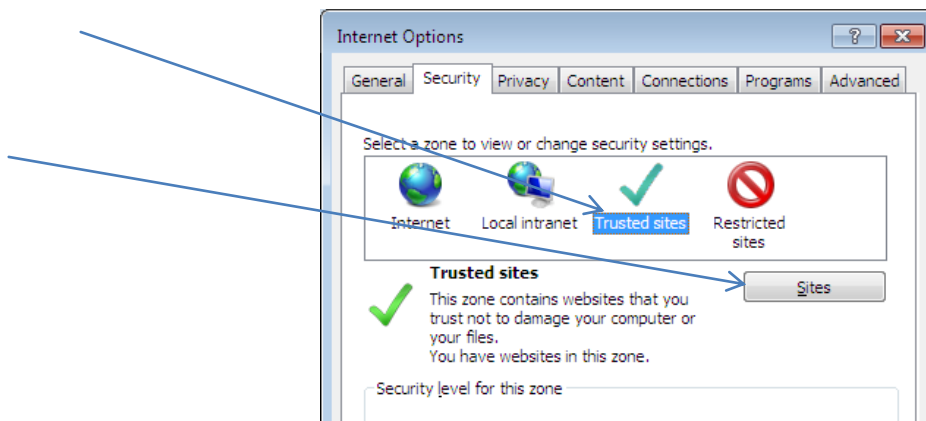
28. In the Internet Options screen select the Advanced Tab. Find Multimedia and Tick Play animation in webpages. Please note this applies only to Internet Explorer 9

Web Server Guide



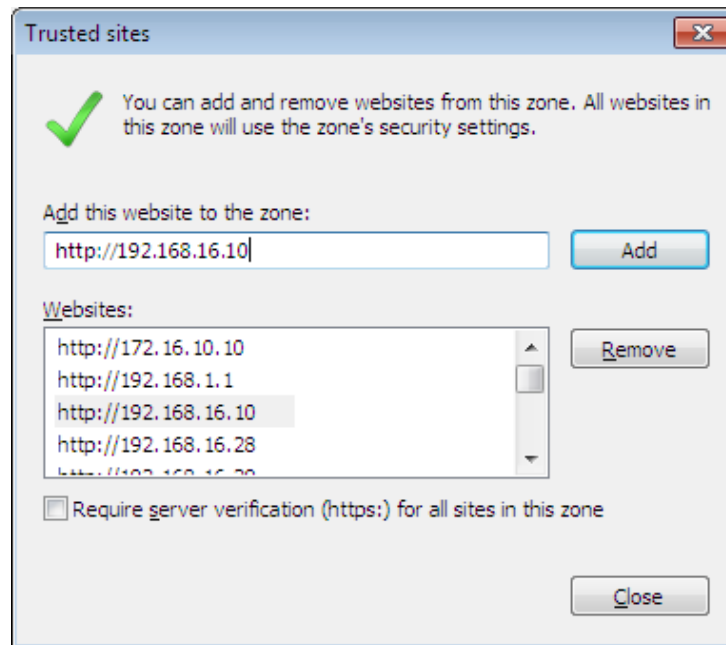
Click OK. Now restart Internet Explorer.

29. When using the AX Enterprise either on Server or as a Client, you need to add it to the trusted sites. You can do this by going to the Internet Options - Security Tab – Trusted Sites – ‘Sites’ Button.



Web Server Guide

30. Type in your IP address and click Add and close, (the IP Address should already be filled in, if you are on your AX Enterprise screen).

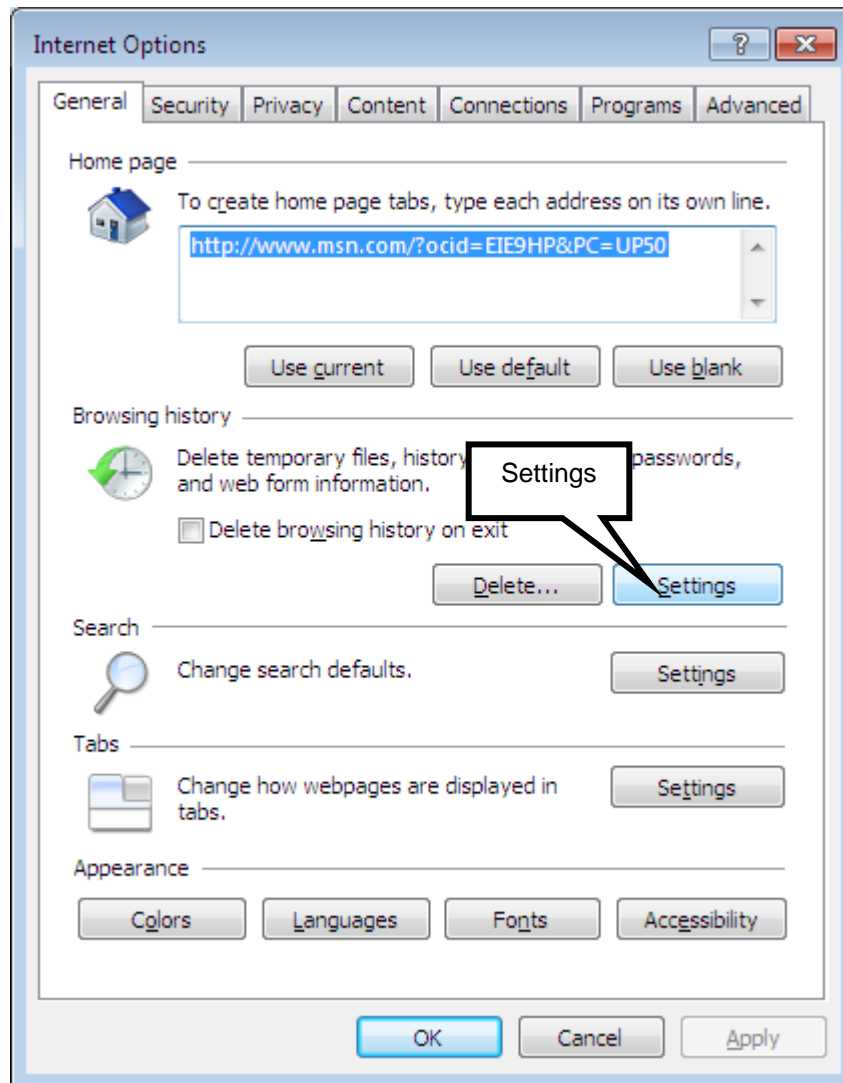


31. Next Open Internet Explorer and select Tools and Internet Options. Please note steps 31 to 33 apply only to Internet Explorer 9.



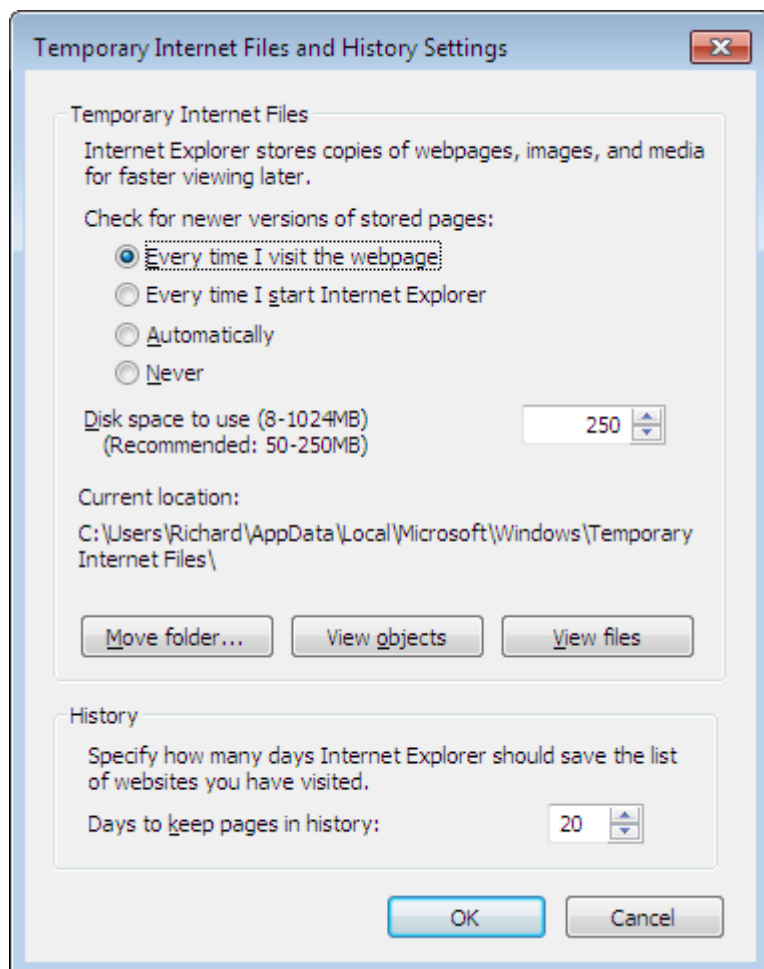
Web Server Guide

32. In the General Tab, click Settings in Browse History.



Web Server Guide

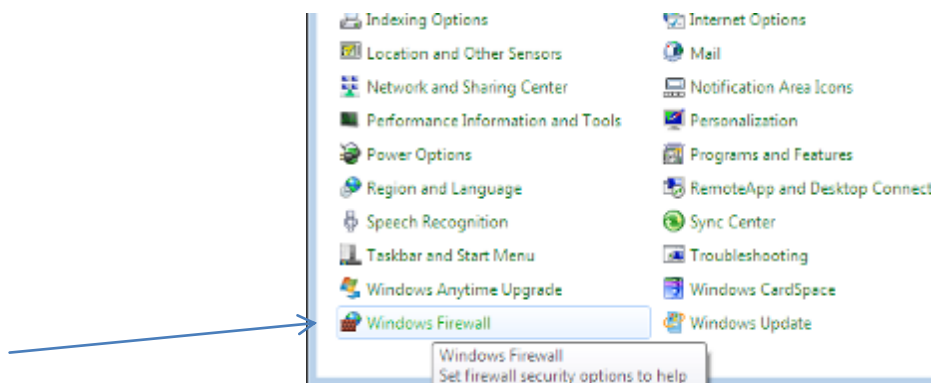
33. Then select the 'Every time I visit the webpage button'



Then Click OK. Finally click OK to close Internet Options.

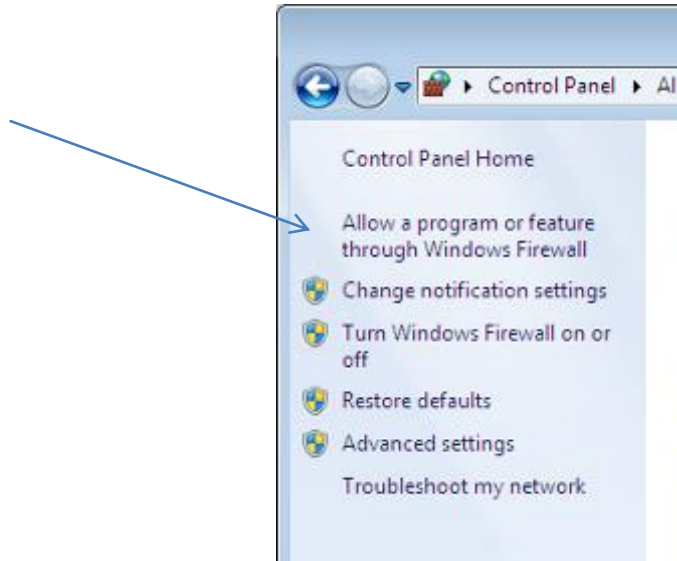
Setting up the Firewall to allow the AX Enterprise to communicate

Go to the Control Panel and click on Windows Firewall.

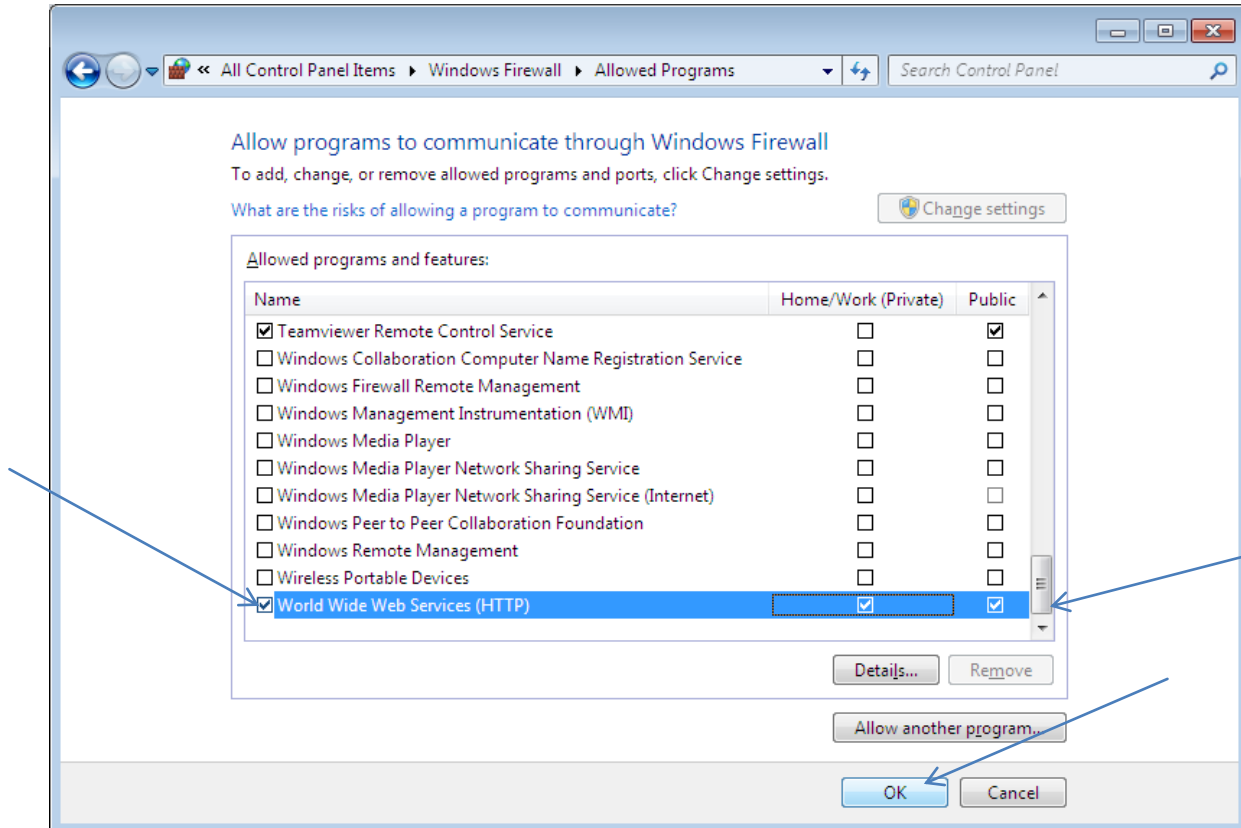


Web Server Guide

Now go to 'Allow a program or feature through Windows Firewall'.



Find World Wide Web Services (HTTP) and tick the Home/Work (Private) box and Public Box. Click OK and close the control panel screens.



Web Server Guide

Now the AX Enterprise can communicate through the Firewall.

Setting up AX Enterprise to work with Internet Explorer Versions 10 and 11

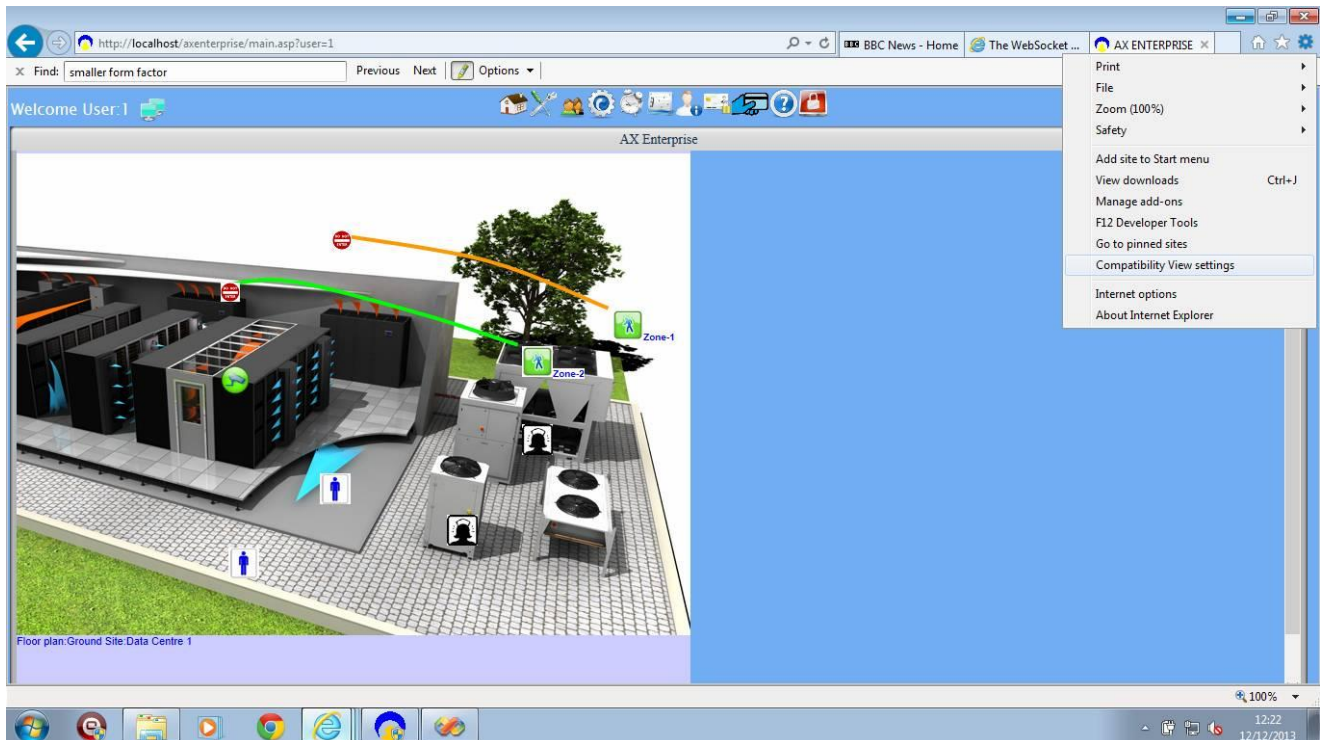
AX Enterprise is fully compatible with Internet Explorer (IE) versions 8 and 9, and no further action needs to be taken.

To run AX Enterprise fully on IE versions 10 and 11, the URL needs to be added to 'Compatibility View', under 'Tools', as shown in the screenshot below.

Click the Tools icon, shown in dark blue, to reveal the menu, 'Compatibility View Setup' is shown in the list. Add the AX Enterprise URL LocalHost/AXEnterprise

Windows 8.0 supports IE 10 and Windows 8.1 supports IE 11

Note: AX Enterprise will not run on IE Metro style, only on desktop style. The user has to switch to desktop style in Windows 8.



This screenshot shows AX Enterprise being used with IE 11 on Windows 7.

Web Server Guide

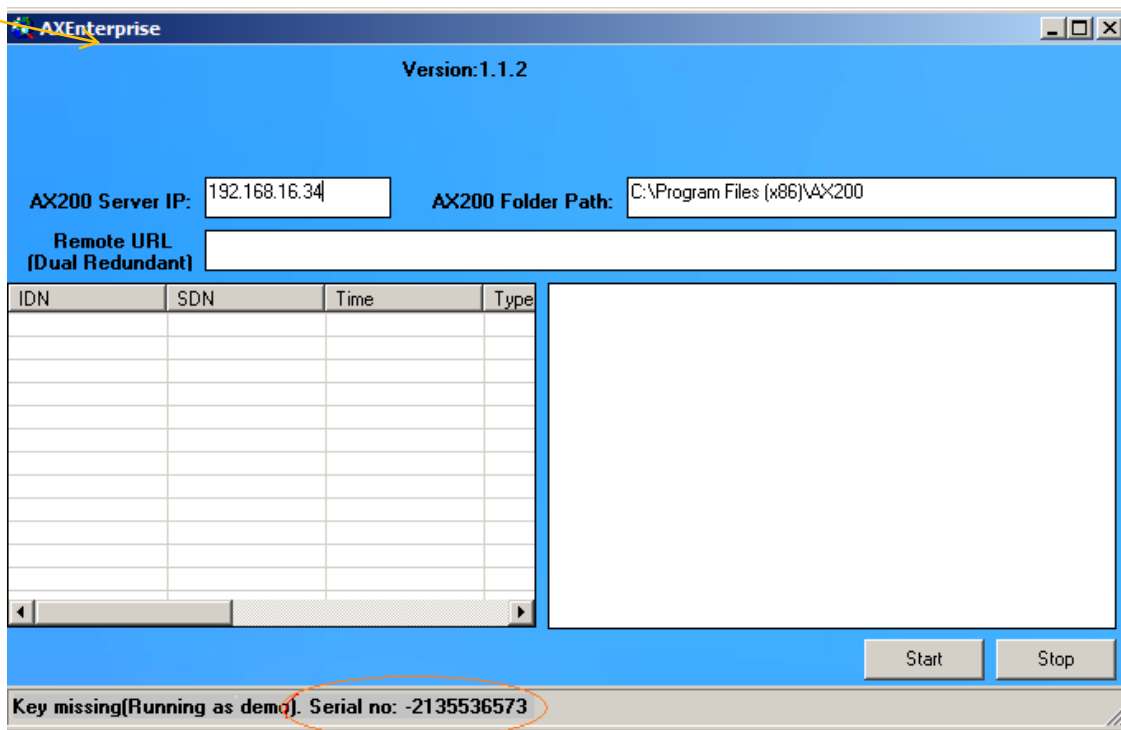
How to setup the License Key for the AX Enterprise/AX200

There are two ways you can setup the license key into the AX Enterprise/AX200 Software.

- 1 By a dongle(USB Stick)
- 2 Adding a License key file to the Card Manage Folder

To find out if the software is running in Demo mode, bring up the WEB-IBOX screen. At the top of the Screen it will say WEB-IBOX-DEMO, this is running in Demo mode. To activate the AX Enterprise you are going to have to contact Axxess ID with the 'Serial number:' and the details of the purchase order. To find the Serial Number, it will be located at the bottom of the WEB IBOX screen, circled in red.

You can see this by starting up the WEB IBOX.



1. USB Dongle

The USB dongle can be used with any PC with USB connection. This is setup by inserting the USB stick with the license Key. When the AX Enterprise is started it will look at the USB dongle.

2. Adding a License key file to the Card Manage Folder

Adding a License Key file to the Card Manage folder can be used with any PC, it is normally used with Virtual Server as Virtual Servers don't support USB Devices.

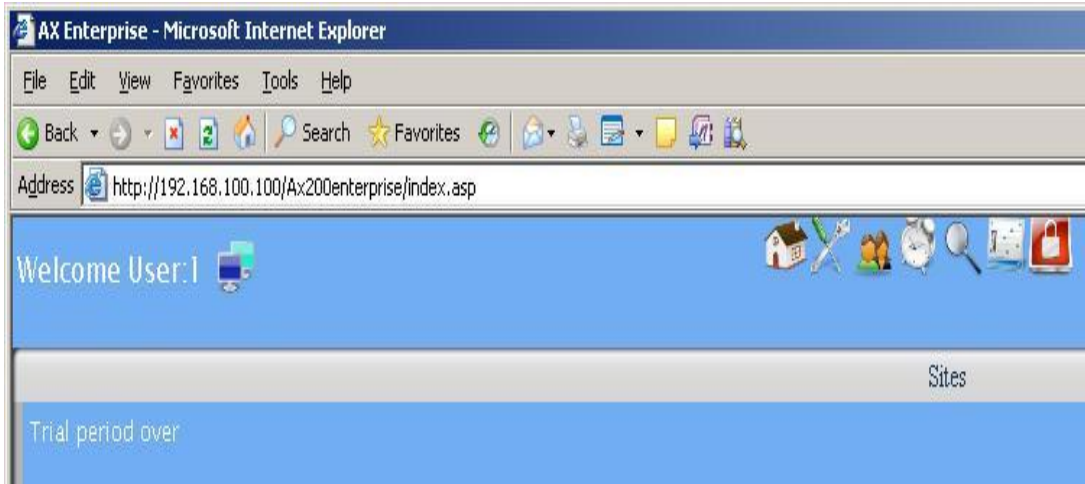
You will be sent the License file electronically. Copy the file called license.txt to the software folder (Default C:\Program Files\Card Manage) then restart the software. On a 64bit platform the default path is C:\Program files x86\CardManage. Please ensure you have written permission.

Web Server Guide

Note: Please keep a copy of the license key on your PC in a secure directory. Installing the AX Enterprise/AX200 software onto another PC, will require a new License Key. You will need to contact Axxess ID to arrange a new Serial no. Please allow 24 hours for us to setup a new License key.

Demo Mode

Running as Demo mode only lasts for 8 hours, a 'Trial period over' message will appear and the WEB IBOX will have to be restarted. The message is shown below.



Note: You cannot copy the License Key from the dongle to the Card Manage folder, as the file setup is different.

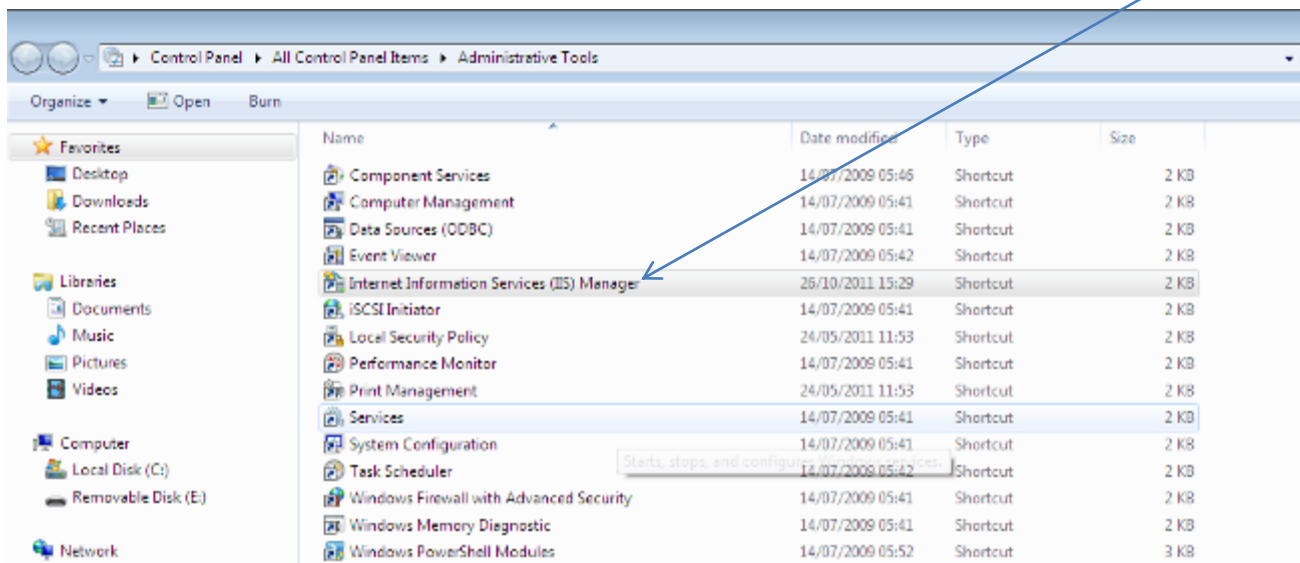
Web Server Guide

Upgrading AX Enterprise

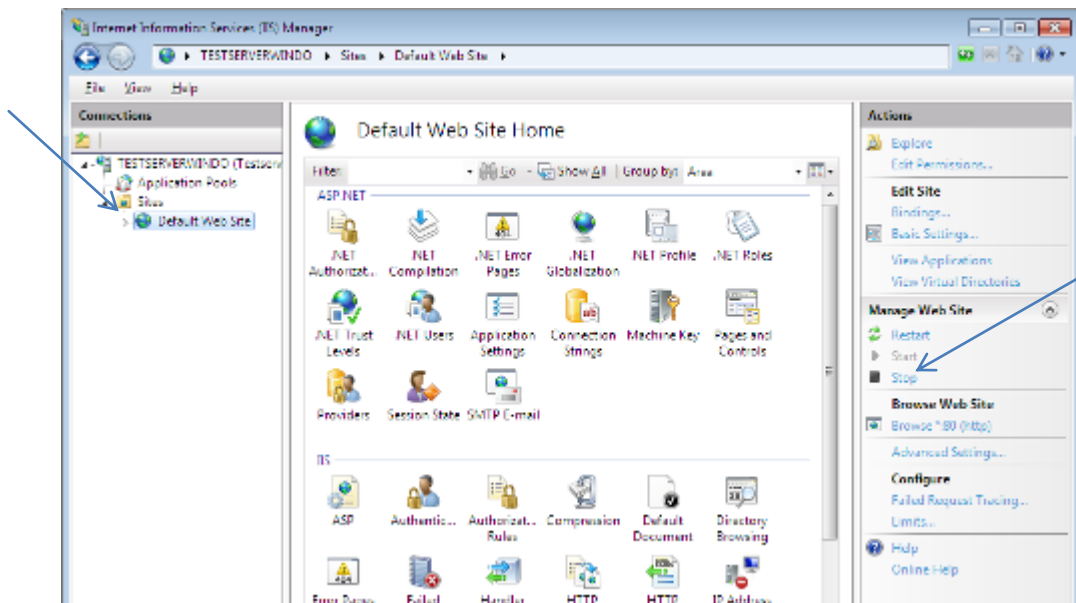
When upgrading the Enterprise, we need to turn the AX200 and Card Manage software off. You also need to turn IIS off of the Default Web Site.

To turn the IIS off please do the following:

Go to: Control Panel - All Control Panel Items - Administrative Tools
Double click 'Internet Information Services (IIS) Manager



Now expand the list of the PC, and go to Sites, and highlight the 'Default Web site'.

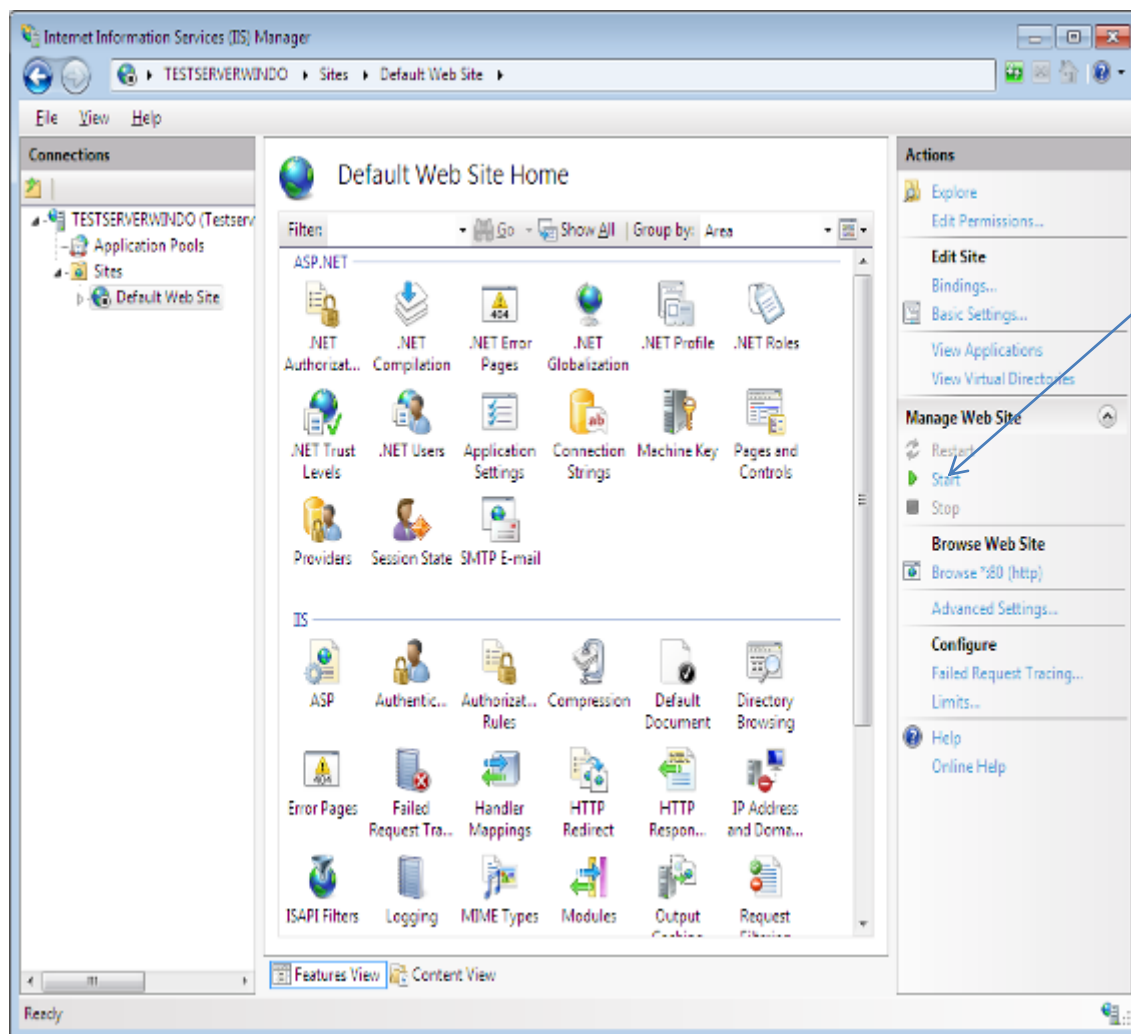


Click 'Stop' on the Left hand side of the screen. Now IIS is stopped.

Web Server Guide

Now you can install the New AX Enterprise software. Click on the Setup.exe in the Software folder and follow the Wizard through the setup.

When the Software is installed successfully, you can now turn the IIS back on. Click Start on the IIS Screen.



You can now start the AX200 and AX Enterprise software.

Web Server Guide

AXEnterprise user guide



When you log on to the Web site you will be asked for your “User Name” and “Password” the default setting is:

User Name	1
Password	1

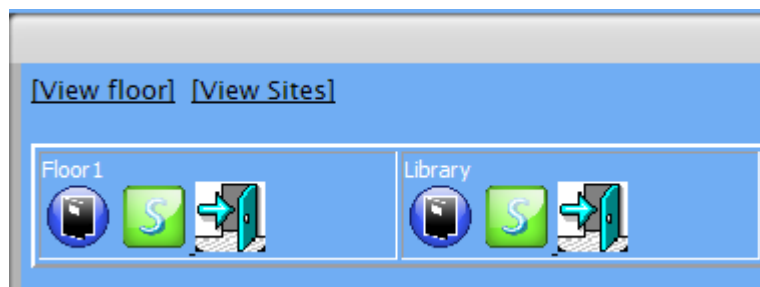
Home Page

At the top of the screen you will see a menu Bar. This enables you to find your way around the web page.



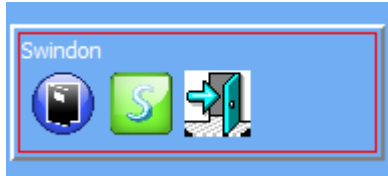
Home	Will allow you to come back to the main page
Build Site	Allows you to upload floor plans
Cardholders	Allows you to add and view cardholder details
System Settings	Set up Timeouts and Passwords
Alarms/Transactions	Shows Alarms and Transactions
Controller	Allows you to manually open doors/set modes
Logout	Will allow you to exit program so another account can be entered

In the centre pane of your screen is where your sites can be viewed as an overview.



Web Server Guide

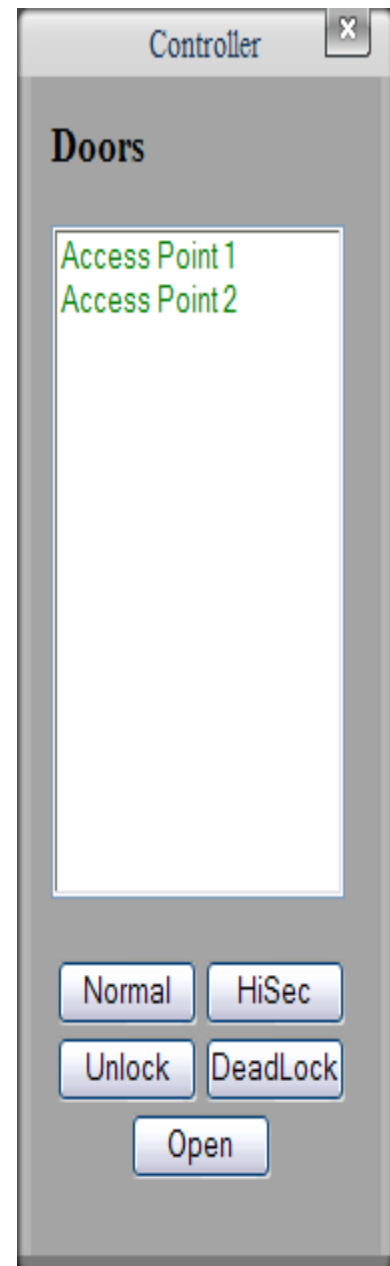
Should one of the sites go into an alarm, you will be able to quickly see this, as a red line encapsulates the site that has an alarm. Displaying as below:



Controller Status & Control

Devices connected are highlighted and displayed; the door status shows in real-time on the main screen. Doors can be controlled directly from the main screen. Commands can only be given to controllers online and functionality is greyed out if the controller is not available online to avoid any uncertainty.

Door open	Opens the door for a set time e.g. 5 seconds
Normal mode	Standard mode
Door unlocked	Door permanently unlocked
High security mode	Only cardholders with high security mode valid will have access
Deadlock	Locks door for all cardholders, request to exit is still active. Please exercise care when using the feature.
Clear alarm	Door reset, door forced, door held open alarm



Web Server Guide

High Security Mode (HSM)

This feature allows individual doors to be enabled where standard cards no longer have access. Only cardholders with the high security mode set (HSM) have access whilst this feature is enabled. The HSM feature can be switched on by using a card which has the "set high security" enabled, four times consecutively at the reader. To change back to the normal mode use a card with the HSM feature four times consecutively.

Build Sites

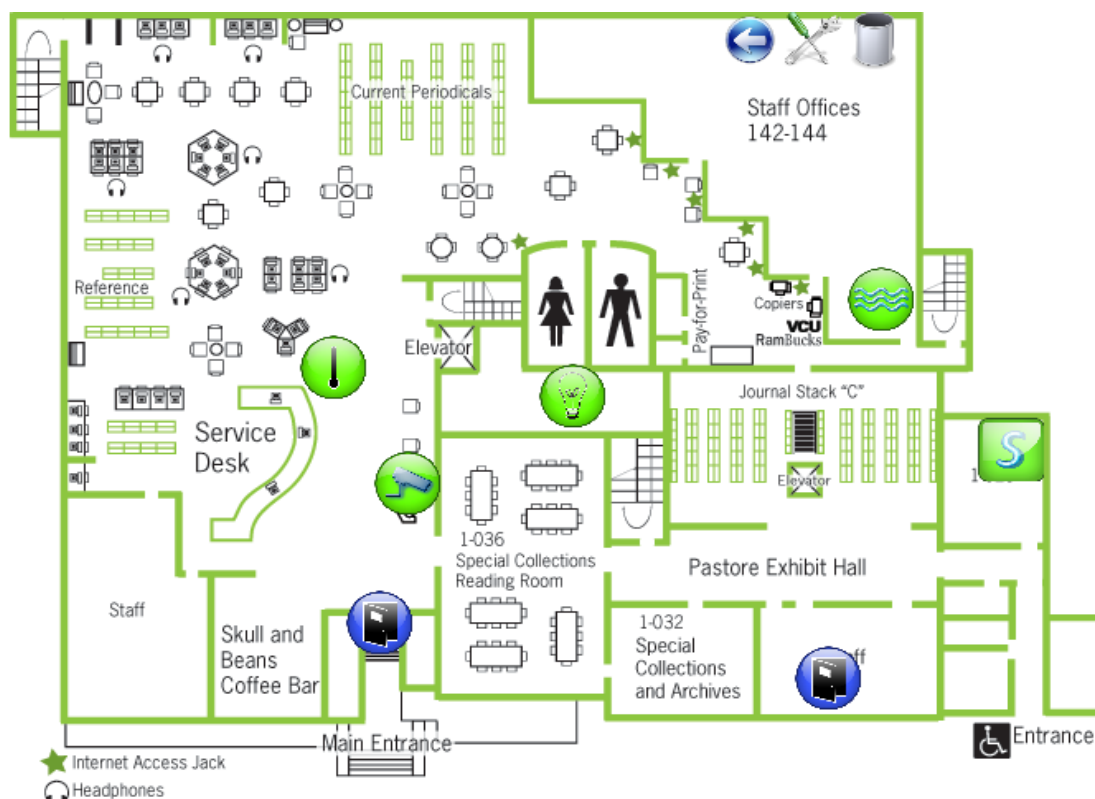
Upload

An example floor image will be shown scroll down in till you see a "Browse" function. You are able to upload a floor image of your office, building etc. and input the access doors and sensors when the floor plan is selected press upload. Your floor plan will replace the example image. The "Browse" function will be replaced by a "Save" Function this is so you may enter a title for the image. Once saved if you go back to the Home page your floor image will be shown next to the example floor plans.

Note: The maximum floor plan size 800 x 700 pixels, adding images large then that will be resized by the software and will look different to the original image. The image formats that can be used are jpeg, Gmp, bmp.

Doors and Sensors

Under different titles there will be these icons  . Left click on the door or sensor icon on the floor plan.




Web Server Guide

If you hold the mouse over either of the sensor or doors it will show the name of the icon, e.g Main Reception.

Doors

Right clicking on a door icon will bring up an option to open the door (Door open- Opens the door for a set time e.g. 5 seconds).

Double clicking on the door icon will bring up the door status you are able to see what the current mode is .you are also able to change the mode to the other three option on the page by selecting the suitable function.

Name: Access Point 1			
Area:	Site: Library	Status: online	
	<input type="button" value="Open door"/>	<input type="button" value="Clear Alarm"/>	
Current Mode: Normal Mode			
<input type="button" value="Normal"/>	<input type="button" value="High Sec"/>	<input type="button" value="Latched"/>	<input type="button" value="Deadlock"/>
			<input type="button" value="Advance"/>

Sensors

Double clicking on a sensor icon will show the sensor status. You are able to change the reading rate Time, Reporting rate time, Storage rate time, whether or not the sensor is enabled the min and max temperature in degrees Celsius and the humidity max and min.

Name: Flood 2	Id: 1627394311	Enabled: <input checked="" type="checkbox"/>	
Reading rate: <input type="text" value="1"/> sec	Reporting rate: <input type="text" value="60"/> sec	Storage rate: <input type="text" value="0"/> sec	
Flood			
Report on change: <input checked="" type="checkbox"/>	Alarm on flood: <input checked="" type="checkbox"/>	Alarm on dry: <input type="checkbox"/>	Store on change: <input type="checkbox"/>
<input type="button" value="Save"/>			

Edit

On the bottom of the floor image you will see "Back" which will take you to the home page, "Delete" which will remove the floor plan and "Edit". Moving the mouse and clicking on Edit will bring up the floor image, now you can drag and move the door and sensors icons to the corresponding door and sensors are in reality.

Web Server Guide

Cardholder

Cardholder configuration consists of five elements

- Main Settings
- Other Info
- Mode Settings
- Personal Info
- Vehicle Info

Adding new cardholders can be done from the main settings screen. The other tabs are for extra features and additional database fields.

Main Settings

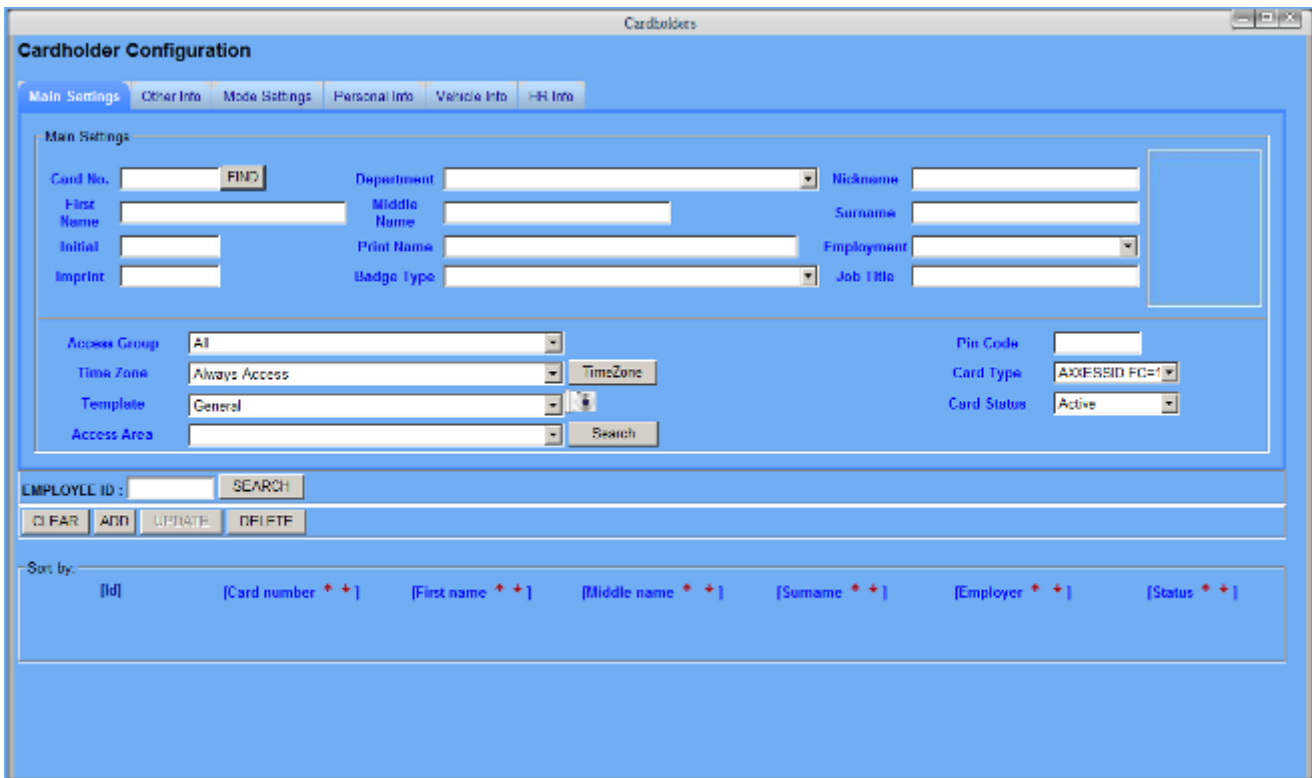
Card Number

Unique card number – maximum,10 digit number. This number excludes the facility and site code number which is defined in card type.

If you change the card number to 0 (= no card), data can be left on the database in case the person requires a card again or, if all the data is entered first and cards are issued at a later stage. This feature is specifically useful for frequent visitors and contractors.

Imprint Number

If the number on the card is not the 'true' number in the card, then this printed number can be entered here. Alternatively this field can be used for other data e.g. membership numbers etc.



The screenshot shows the 'Cardholder Configuration' web application. At the top, there's a title bar 'Cardholders' and a tabbed interface with 'Main Settings', 'Other Info', 'Mode Settings', 'Personal Info', 'Vehicle Info', and 'HR Info'. The 'Main Settings' tab is active. It contains several input fields and dropdown menus for configuring a cardholder. Fields include Card No. (with a 'FIND' button), First Name, Middle Name, Surname, Initial, Print Name, Employment, Imprint, Badge type, Job title, Access Group, Time Zone, Template, Access Area, Pin Code, Card Type (set to 'AXXESSID FC-1'), and Card Status (set to 'Active'). A 'Search' button is located next to the Access Area field. Below the configuration fields, there's an 'EMPLOYEE ID' field with a 'SEARCH' button. At the bottom, there are buttons for 'FAR', 'ADD', 'UPDATE', and 'DELETE'. A 'Sort by:' section shows various fields with sort icons: [Id], [Card number], [First name], [Middle name], [Surname], [Employer], and [Status].

Web Server Guide

Employment

To indicate the type of cardholder, fields can be selected from the drop-down box or entered manually. When entered manually it will ask for confirmation when you save the record and can be selected the next time from the drop-down box.

Department

Select a department from the pop-up window, departments can be added or deleted as required.

Access Group

An access group is a collection of doors. When a group is selected, the cardholder will have access to the doors assigned in the access group. Two groups are fixed and cannot be deleted – **All** and **None**. The group all, automatically includes all the doors including those added by the device wizard. If the group none is selected, the cardholder will not have access to any of the doors.

Card Type

If under System Settings, General Settings the Multiple Card Format is enabled, then this field can be used if you require cards from other system to work as well.

A card type is the name given to the card format and facility code combined. It is recommended that you use the card format wizard if you wish to add new card types.

Card Status

This field overrides all settings, if the card is set to: Destroyed, Inactive, Lost, Stolen or Suspended. The card will not have access unless set to Active.

It is recommended that you use this field if a card is for instance stolen instead of deleting the whole cardholder record. By using this method, you can always see at a later stage why the card was inactive.

Pin Code

1 to 6 numbers – the default setting is 4.

This field is required if PIN Settings (found on the Access Point screen) is enabled and a keypad or reader with keypad is used. If a reader with PIN is selected, the card is presented to the reader first followed by entry of the PIN code.

P a s s w o r d

The security levels, usernames and passwords may only be changed through the AX200 software for security Purposes. To change a user name, password or group you go to the AX200 software and from the main screen you click on the security option. In the user option click on the “User settings” tab in this tab you will see three buttons ‘new’, “Delete” and “Change Password” left click on the new button enter the Users name and a password into the allocated areas, click ok a message should appear asking for you to enter a group.

Group Authorisation

Admins
Engineer
Guest
Operator

Current group access permissions



	View Only	Edit
Admin Settings:	OK	OK
Cardholder Info:	OK	OK
Access Point:	OK	OK
View Log:	OK	

Web Server Guide

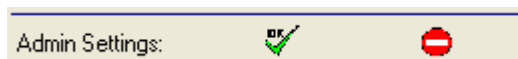
To see which group has the correct function go to the group authorisation screen tab there will be four options:

- Admin
- Engineer
- Guest
- Operator

By selecting one, you will see what authorisation they have. If none has the required access permission needed, you can create your own group

Click on the new button enter a name into the field e.g. Technology press the OK button by double clicking on the  icons turns them to  icons. Once your preference are selected press save, you may now enter users to this group

Admin



With “Admin view only” the user gets access to the main screen and able to enter security to only change the users personal Password

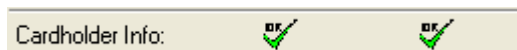


With “Admin view and edit” selected the user gets access to the main screen and able to enter security to add and delete users and passwords the user is also able to add and remove groups.

Cardholder

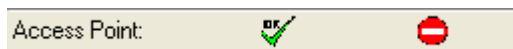


View only the user can view the “Cardholder Configuration” tab but may not add or edit information. There is also access to “Access points”, “system setting” and “format & statistic” which the user may not add or edit. The user may however edit “Environment”

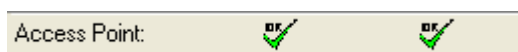


The user still can view the “Main screen”, “Access points”, “system setting”, “format & statistic” and “Environment” but with “Edit” ticked they may add and configure the cardholder configuration

Access points



View only the user can view the “Main screen” and “Access point” tabs but may not add or edit information



The user can still view the “Main screen” and “Access point” but they may now add access points and input information

Log

Web Server Guide

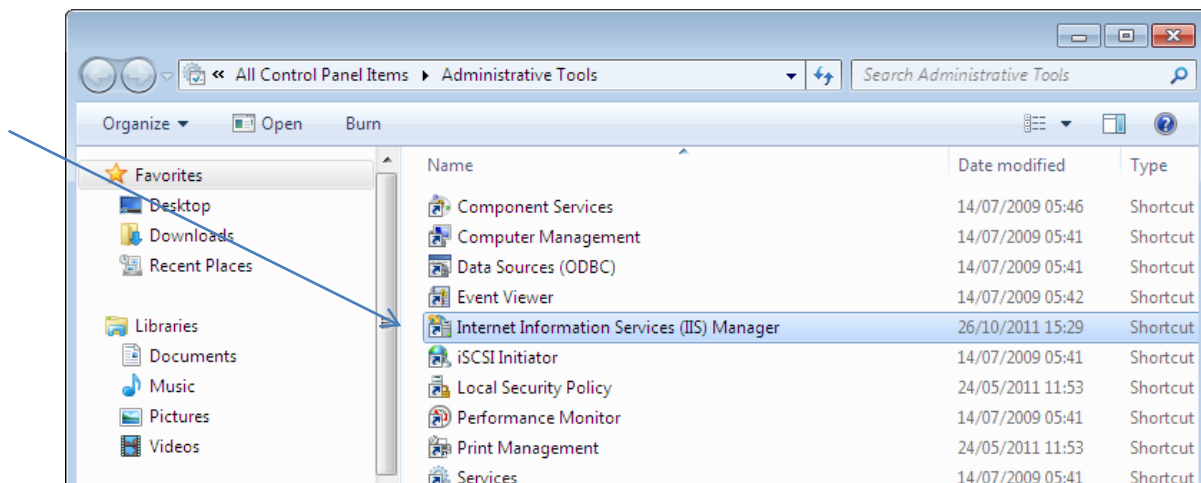


When view log is selected you can view the reports and select any of the option to view the required information appropriate dates.

Changing Icon Size on Floor plan of the AXEnterprise

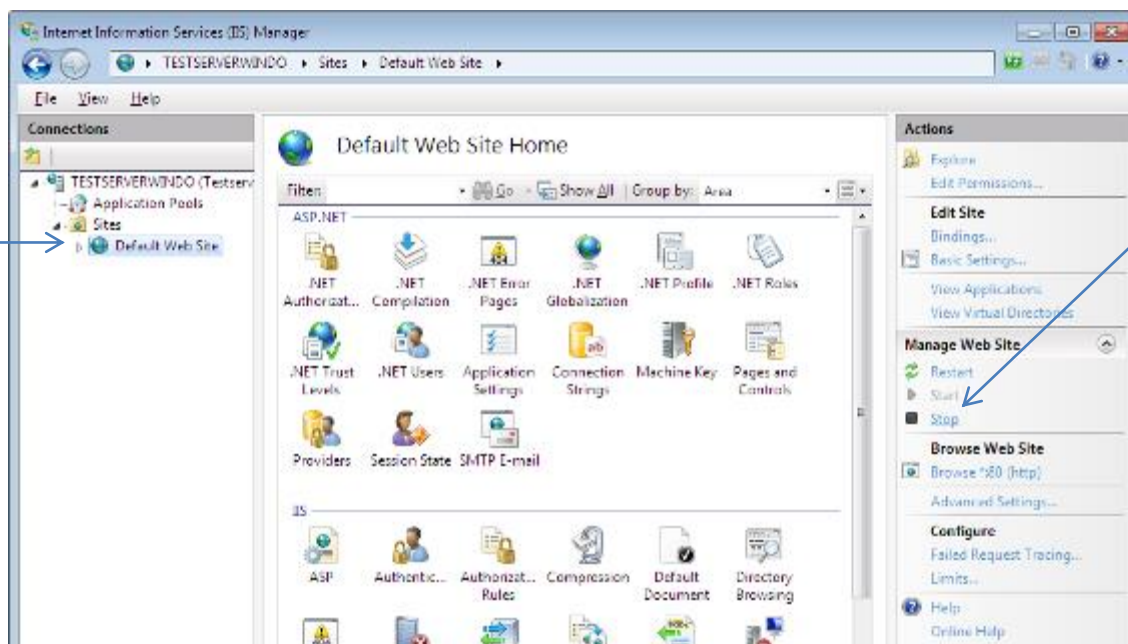
There are two sizes of icons which can be used in the Floor plan of the AX Enterprise, Small and large Icons. When first installing the AX Enterprise, the default size of the Icons will be the large icons. The changing of icon size only works on V1.0.66 and above.

To change the size of the icons, you need to turn off both the AX200 and the AX Enterprise software. Now stop the default web site on the IIS, to do this go to Control Panel\All Control Panel Items\Administrative Tools. Double click on the 'Internet Information Services (IIS) Manager'.

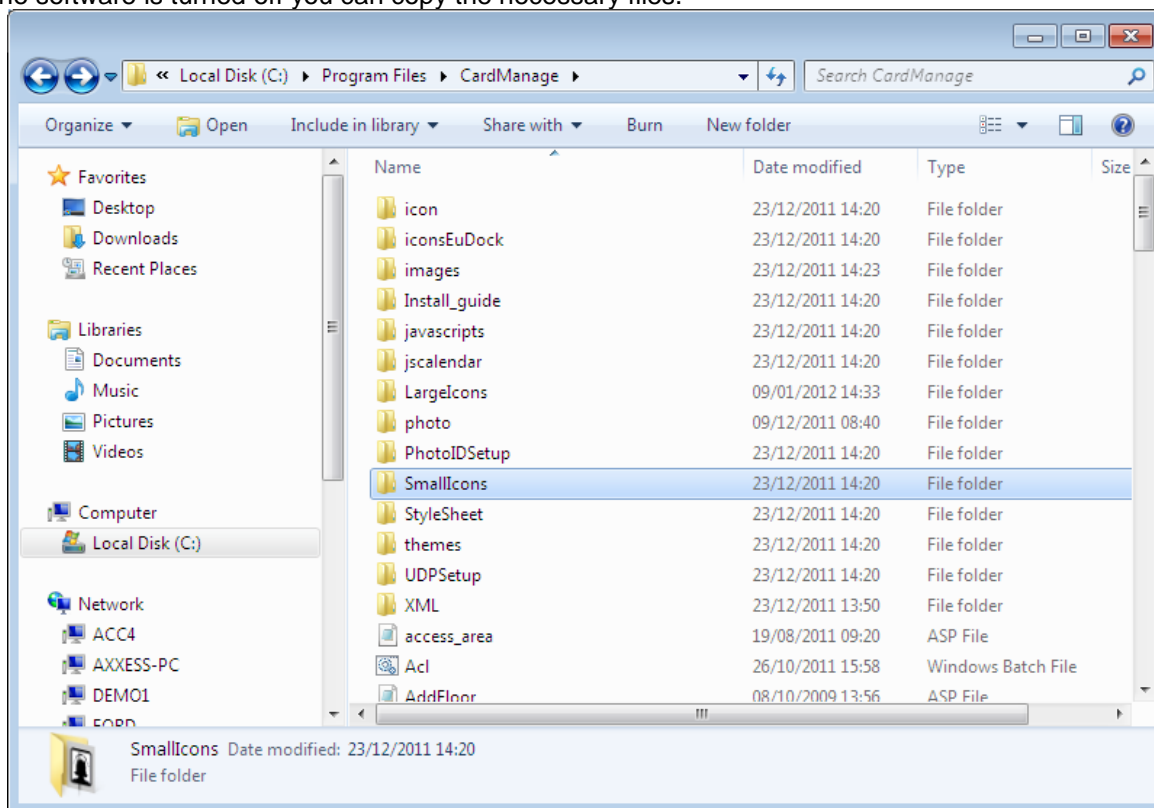


When the IIS Screen is up, stop the default web site by, expanding the left column to the screen below. Highlight the default web site and click Stop on the Right hand column.

Web Server Guide

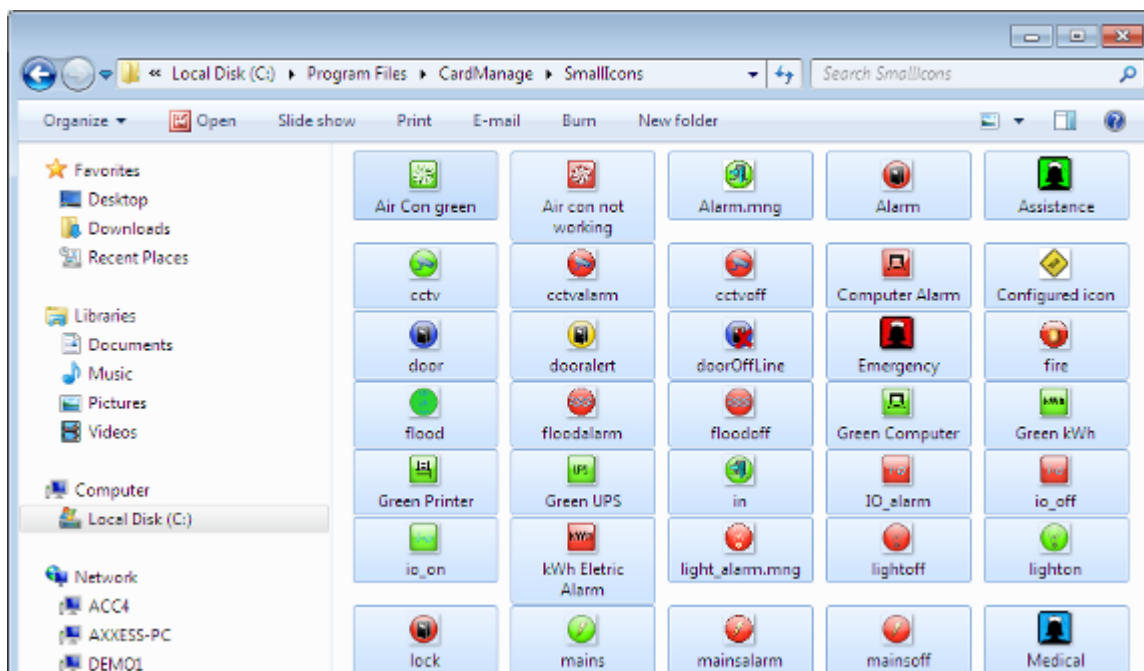


Now the software is turned off you can copy the necessary files.

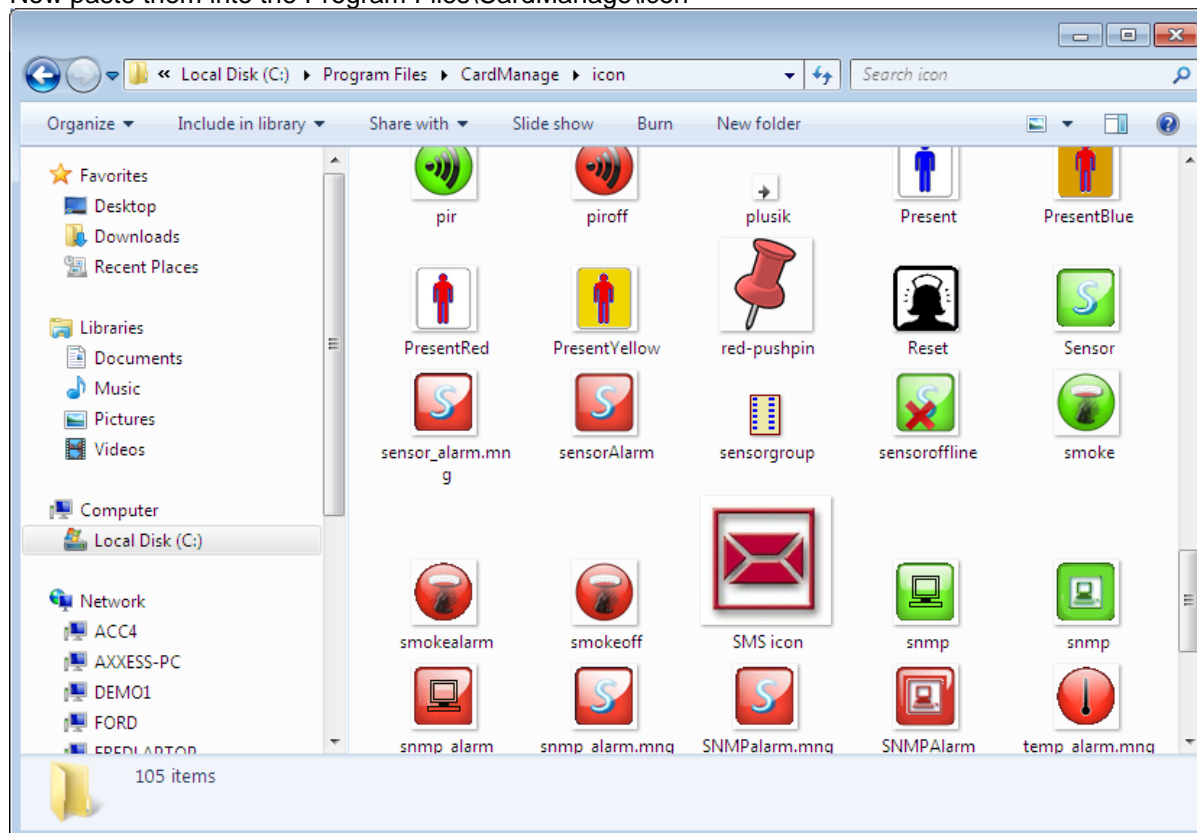


Go to the Program Files\CardManage\SmallIcons, and select all the icons in the folder and copy them.

Web Server Guide

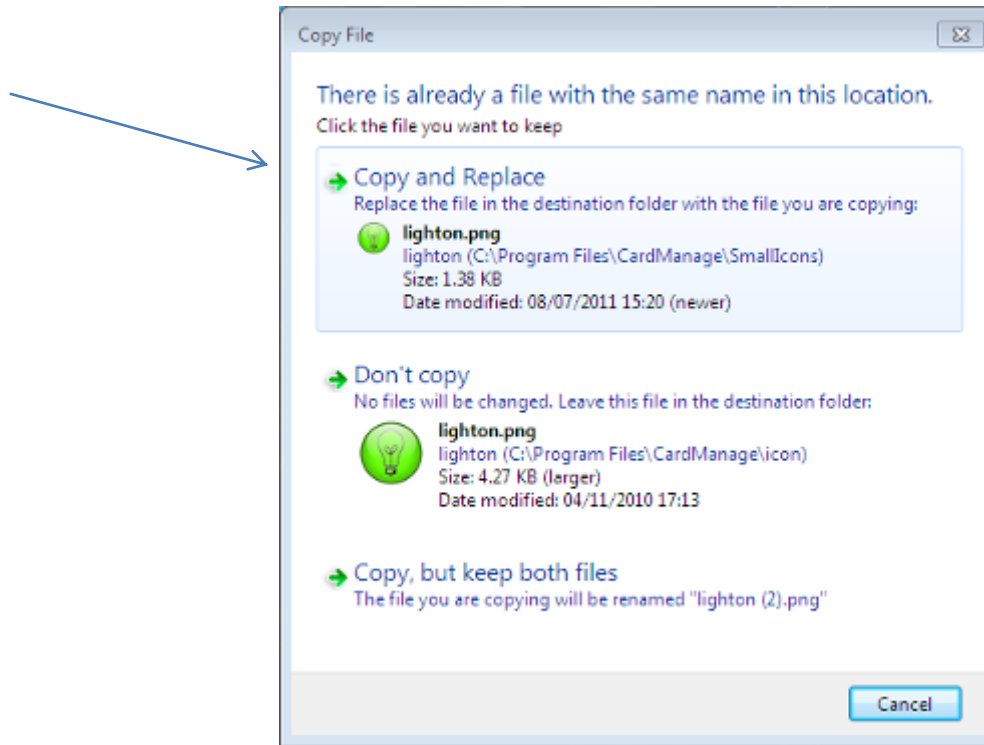


Now paste them into the Program Files\CardManage\icon



A message should appear, like the one below. You need to select 'Copy and Replace'.

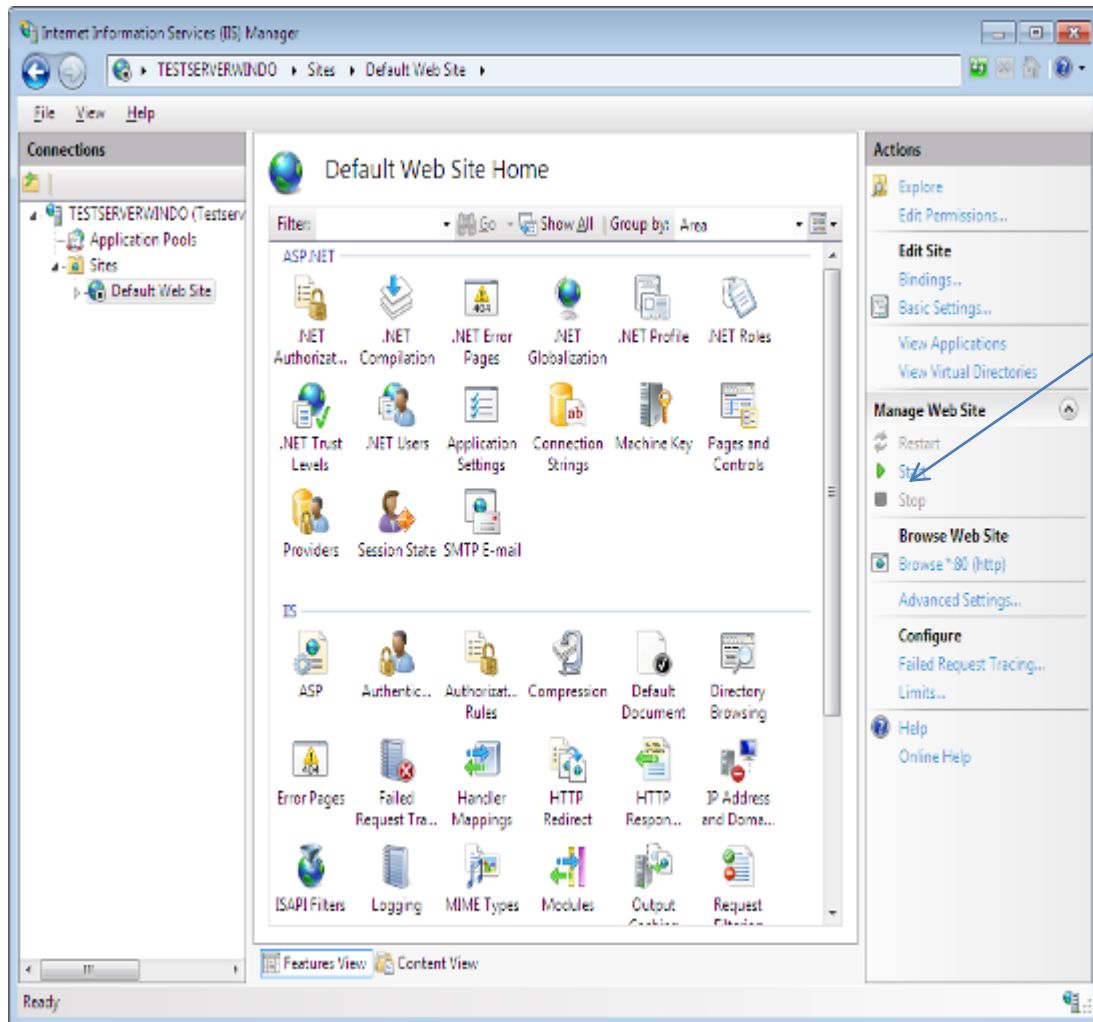
Web Server Guide



This will now replace all the large icons with the small icons.

Now you can start IIS, go to Control Panel - All Control Panel Items - Administrative Tools. Click Start on the right hand side column, shown below.

Web Server Guide



Web Server Guide

Changing back to Large Icons

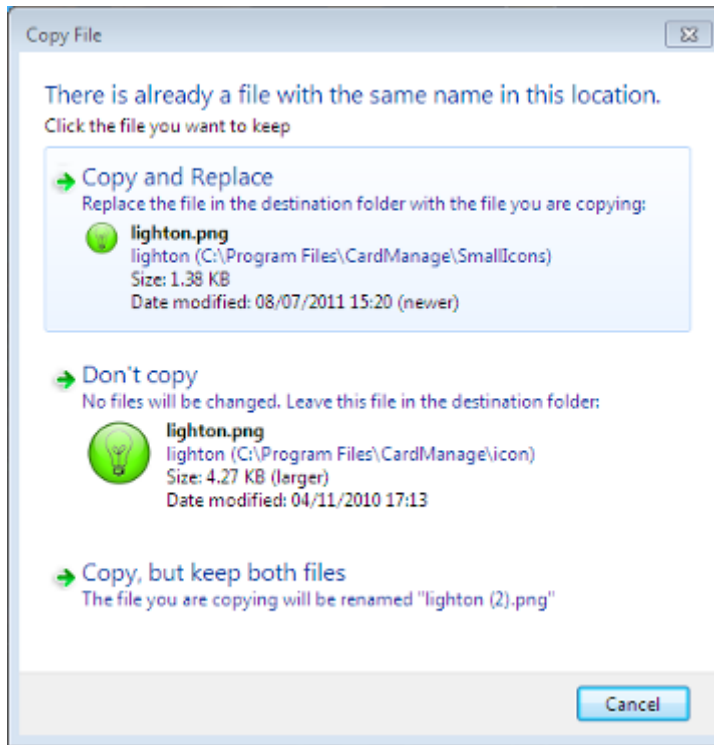
To change back to the large icons, all you need to do is, copy all the icons from the large icon folder, which is found under: Program Files - Card Manage - Large Icons.

Paste them into Program Files - Card Manage - Icon, remember to replace the icons in this folder.

Note: Before replacing the icons, close both AX200, AX Enterprise and stop IIS, instructed above.



Web Server Guide



Access Area Configuration

Access Areas are definitions or areas where users are not physically restricted access (by means of banners/turn styles etc. but are not authorised) For example, Production staff are permitted in the production area but not permitted into administration area. There is no physical restriction or access control between the production area and administration area.

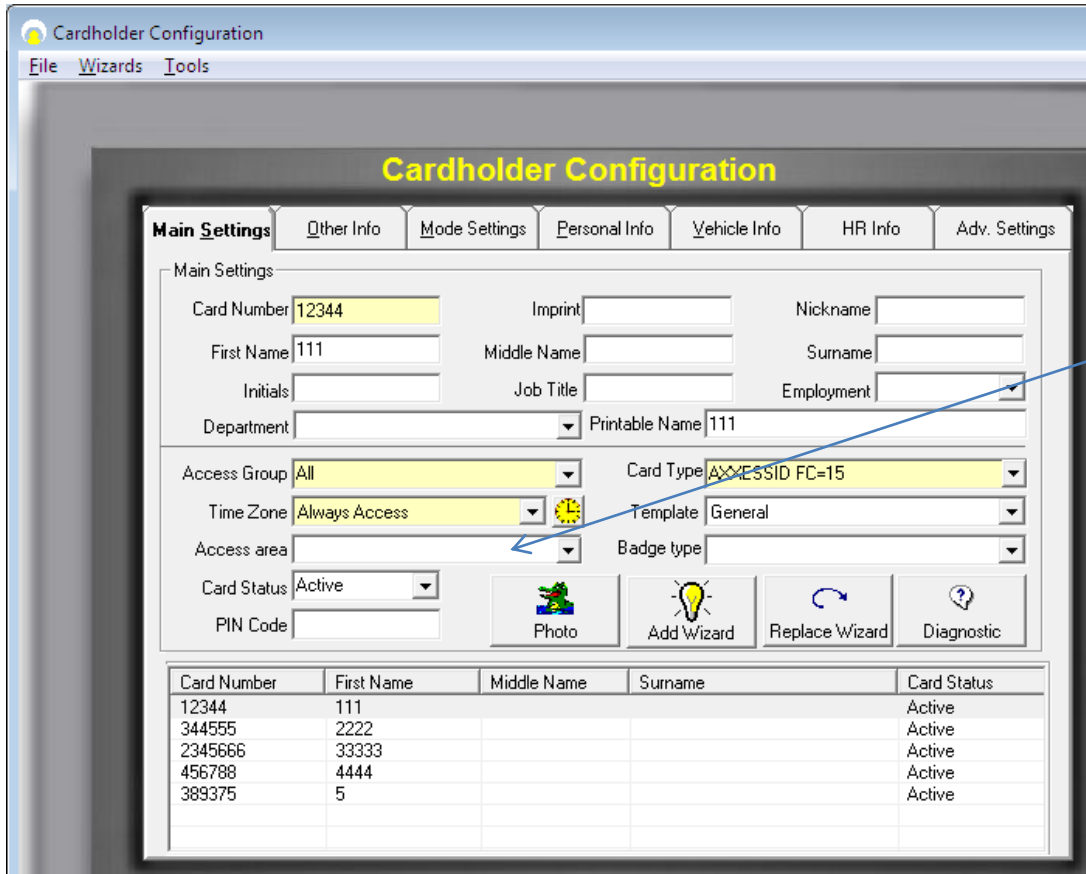
The Production area to the outside is protected by access control but once through into production the user is able to access administration, anyone in the administration area can be checked on the system to indicate if they are cleared for the administration area.

The access level name can be printed onto the card but does not show where the user is permitted, as this is cross reference in access areas.

This type of feature is typically used in shopping/Retail outlets and Airports, where cleaners, cabin crew have access to backstage areas, but are not permitted into baggage handling areas. Anyone found in an area that is restricted can be checked to see if they are permitted.

Concerning Access Area can consist of one or multiple areas. In Cardholder on AX200 click the pull down arrow under access area to define.

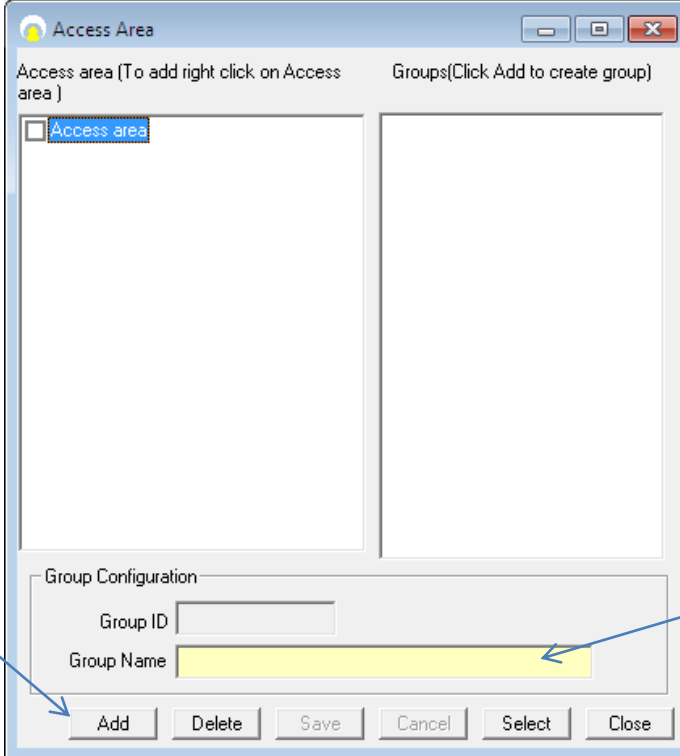
Web Server Guide



Card Number	First Name	Middle Name	Surname	Card Status
12344	111			Active
344555	2222			Active
2345666	33333			Active
456788	4444			Active
389375	5			Active

Click Add, in the group name shown as a yellow box. Enter the group name such as cleaner.

Web Server Guide



Access Area

Access area (To add right click on Access area)

Groups (Click Add to create group)

☐ Access area

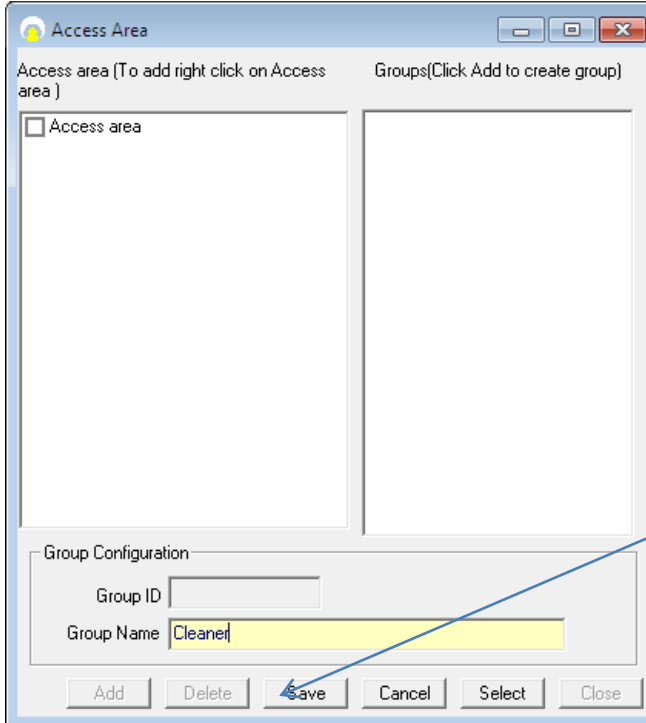
Group Configuration

Group ID

Group Name

Add Delete Save Cancel Select Close

Type in a name or category such as 'Cleaner'.



Access Area

Access area (To add right click on Access area)

Groups (Click Add to create group)

☐ Access area

Group Configuration

Group ID

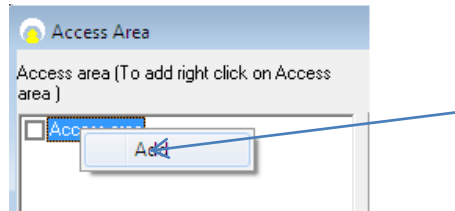
Group Name Cleaner

Add Delete Save Cancel Select Close

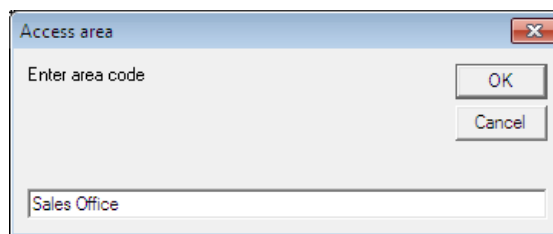
Repeat this step for each category required.

Web Server Guide

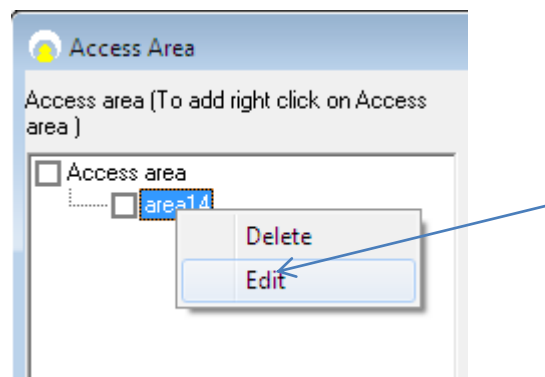
In the access area panel, right click on the access area tick box and select add.



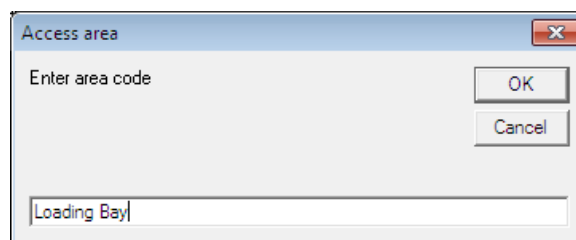
You will be prompted to enter an area code. This is the definition or location code for this area and cannot be changed once set. Enter a reference such as Sales Office.



This will create a fresh area in the access area table with a generic name such as area 1. Right click on this to edit the name. Then rename this to reflect the area definition such as 1.

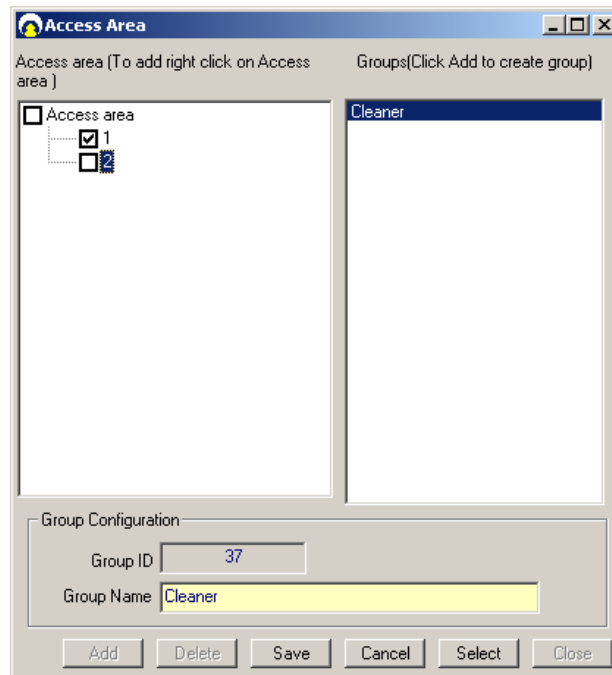


Repeat these two steps to define more restricted areas, such as loading bay and 2.



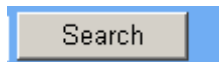
Now define which groups are allowed in which areas. For Example the cleaner is permitted into sales office but not the loading bay.

Web Server Guide

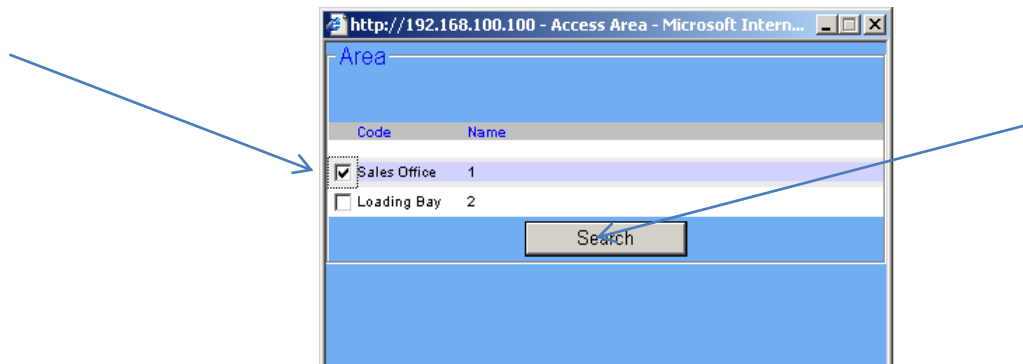


Searching within AX Enterprise

In the AX Enterprise, when you click on the Search button on the Access Area, it shows all the access areas.



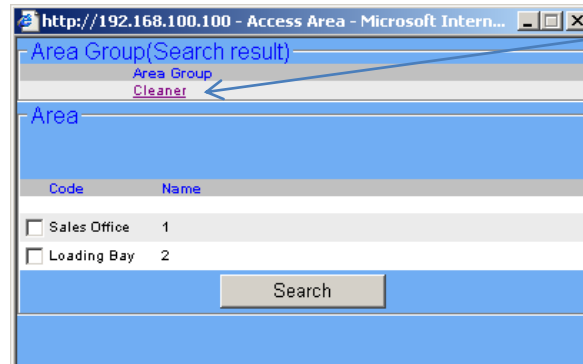
Now select which Access Area, to do this, tick the tick box on the left hand side, tick the boxes you want the cardholder to have access to. Then Click the 'Search' button.



The Search button will search for a group which has the specific access areas that you have selected.

Web Server Guide

The Results will show at the top of screen.



Card Printing

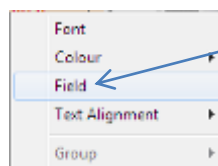
AX200 Software

When creating a Photo ID Template the specified field you have to add is Access Area. Choose which Template you want to use.

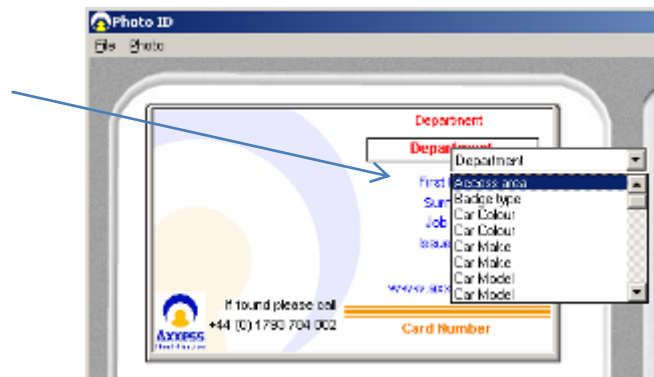
To change the field in the Photo ID, click on Edit on the Photo ID Screen.



Click on the field you want to change and press the right-hand button on the mouse and click 'Field'.



Find the 'Access Area' Field and select it.

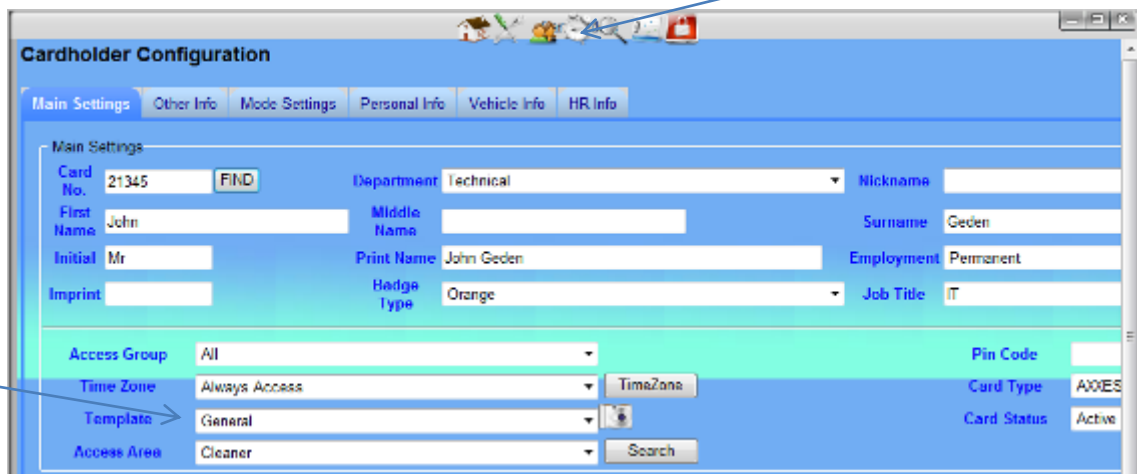



Web Server Guide

Once selected, press the button 'Save', located below the Template.



AX Enterprise

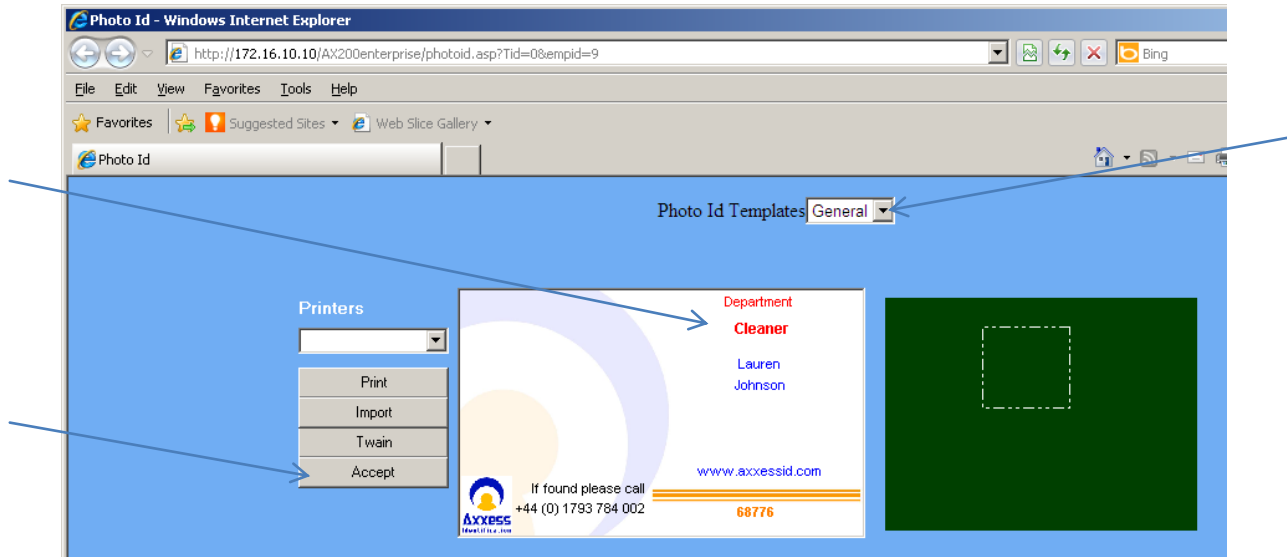


Now go to the AX Enterprise and go to the Cardholder icon at the top of the screen. Select a Cardholder and select the Access area box e.g. Cleaner. Now click on .

Make sure you have selected the right Photo ID Template. You can change the Photo ID Template by choosing a different template from the drop down box at the top of the Screen. Then press accept.

As you can see the Template has access area field on the Template and the Access group selected for that Card holder.

Web Server Guide



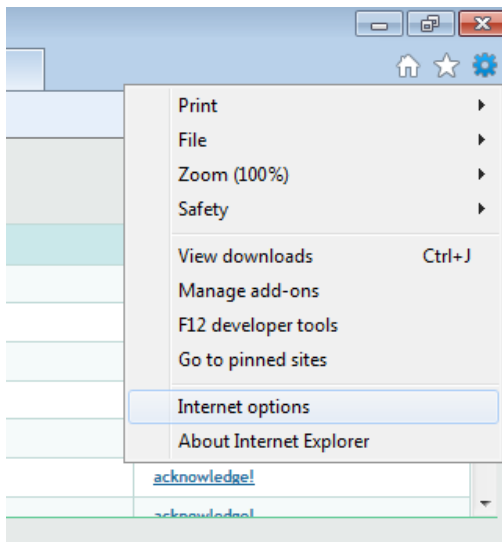
On the client PC windows media player needed to be granted permission to play the sound - by default this is on. If this feature is not enabled it will appear once as a pop up.

To manually enable this feature follow these instructions.

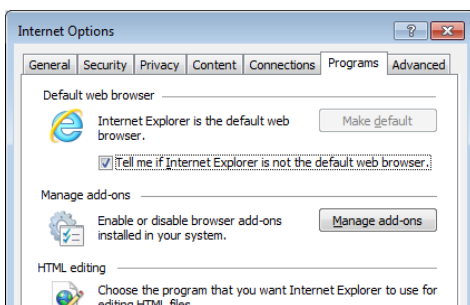
On Client PC running AX Enterprise

Setting up windows media player to play alarm sounds.

Select tools from the Internet explorer tool bar

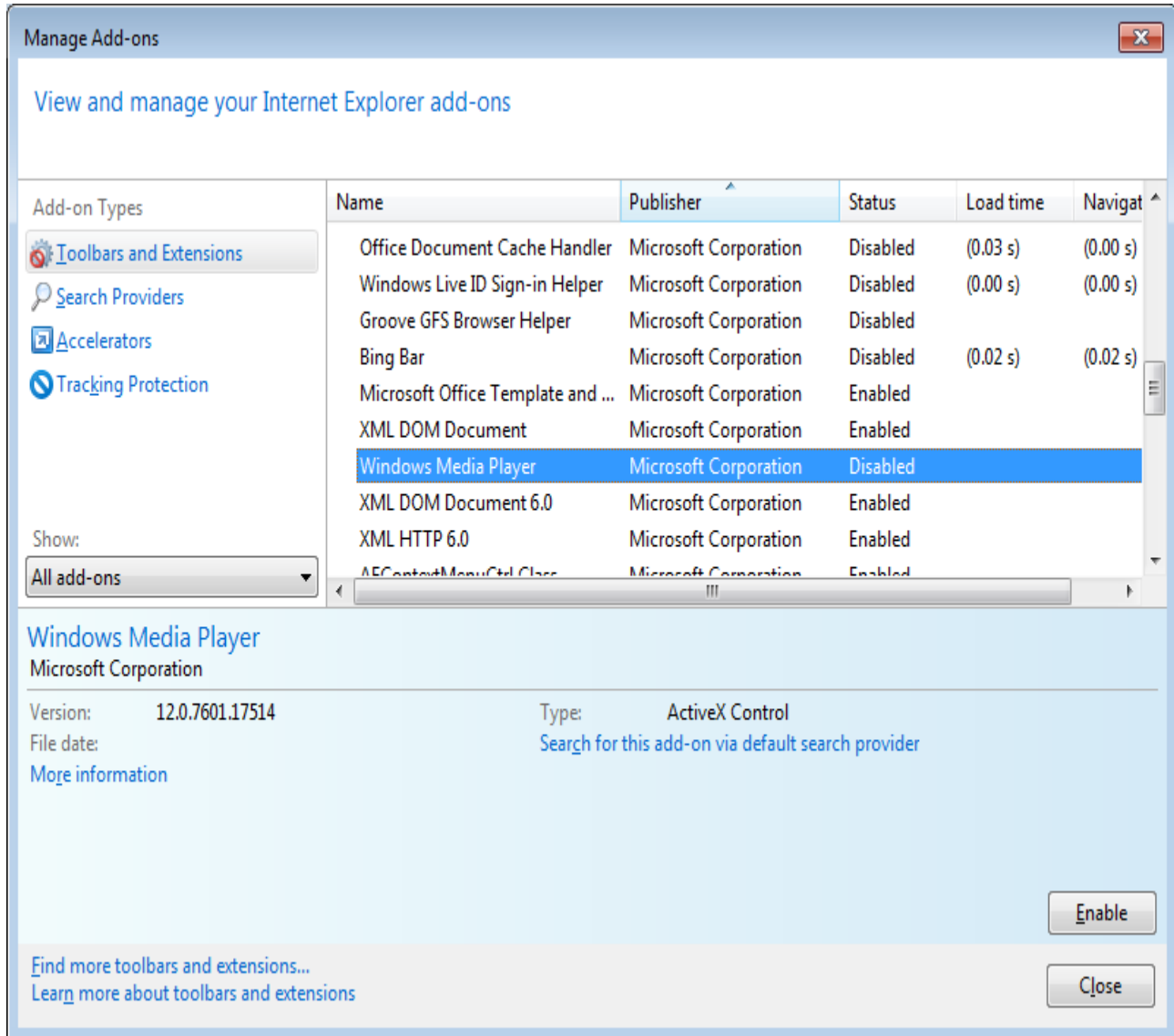


Select Internet options and then select the Programs Tab. Click on the Manage add-ons



Web Server Guide

Wait for Manage Add-ons screen to load, select show 'All Add-ons' scroll down and find windows media player and click to enable.



Close and apply the changes to the add-on manager, then exit the AX Enterprise

Log-in and the alarm sounds will now be operational.