

AX Enterprise



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Document Title: AX200 & I-BOX Web User Guide v22.08.08

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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)
	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
L	



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



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 sll, and web publishing.

To install Enterprise:

- 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 CreateIIS.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.



- 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.

🐚 Internet Information Servic	es (IIS) Manager			_ 🗆 🗵
🐚 Eile <u>A</u> ction <u>V</u> iew <u>W</u> indov	v <u>H</u> elp			_ 8 ×
← → 🗈 🖬 😭 🖻	😫 💷 💂 🕨 🗉 🗉			
Internet Information Services	📁 Web Service Extensions			
🕀 📁 Application Pools		A Web Service Extension	Status	
Web Sites Web Service Extension		All Unknown CGI Extensions	Prohibited	
	Allow	All Unknown ISAPI Extensions	Prohibited	
	Prohibit	Active Server Pages ASP.NET v1.1.4322	Allowed	
	Properties	ADFINET VITTERS22 FrontPage Server Extensions 2002	Allowed	
		Internet Data Connector	Prohibited	
		😼 Microsoft Exchange Server	Allowed	
	Tasks	🛛 😼 RPC Proxy Server Extension	Allowed	
		🔊 Server Side Includes	Prohibited	
	Add a new Web service extension	WebDAV	Prohibited	
	Allow all Web service extensions for a	褖 Windows SharePoint Services	Allowed	
	specific application			
	Prohibit all Web service extensions			
	Open Help			
•	Extended Standard			

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

Pools) 🖾 🖂 🌆 I 🕢 🗝
	n Doola	-				Acti	ons
	IT FOOIS	•				1	Add Application Pool
							Set Application Pool Defaults
associated with worker p applications.	rocesses, co	ontain one or mor	e applications, and p	rovide isolation among dif	ferent		Help
Filter:	- 00	Go 🕞 🔜 Show	All Group by: No	Grouping			Online Help
Name 🔺	Status			Identity	Application		
Classic .NET App	Started	v2.0	Classic				
DefaultAppPool	Started	v2.0	Integrated	ApplicationPoolIden	1		
	This page lets you view a associated with worker p applications. Filter: Name	This page lets you view and manage associated with worker processes, cc applications. Filter: Name Status Classic .NET App Started	This page lets you view and manage the list of applica associated with worker processes, contain one or mor applications. Filter: Status .NET Frame Classic .NET App Started v2.0	This page lets you view and manage the list of application pools on the ser associated with worker processes, contain one or more applications, and p applications. Filter: This page with the service of the service	This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among dif applications. Filter: Filter	This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications. Filter:	Application Pools Image: Status image: Show All Group by: No Grouping image: Show All Group by: No Grouping image: Status image: Show All Group by: No Grouping image: Status image: Status image: Status image: Show All Group by: No Grouping image: Status image: Sta

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 <u>http://server</u> name/Ax200Enterprise or follow, how to browse on step 3 above.



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 <u>http://hostname</u> 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:



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 Creater 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**

AXEnterprise Installation and user guide Dec 2013



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



AX Enterprise Installation Windows Server 2008

Configuring IIS 7

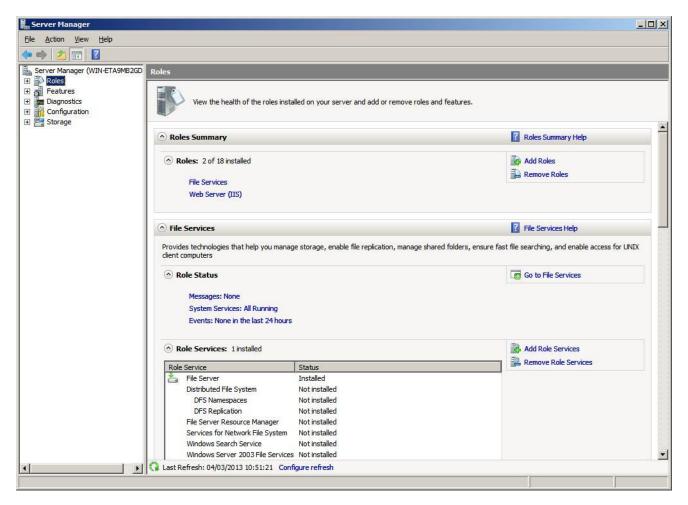
This applies to Windows Server 2008, please follow the instructions below.

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.





1

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

Add Roles Wizard		×
Before You Begin		
Before You Begin Server Roles Confirmation Progress Results	This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site. Before you continue, verify that: The Administrator account has a strong password Network settings, such as static IP addresses, are configured The latest security updates from Windows Update are installed If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again. To continue, dick Next. Skip this page by default	
	< Previous Next > Install Cancel	

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

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

	Add features required for Web Se You cannot install Web Server (IIS) unless the require	and the second se
	Features:	Description:
	 Windows Process Activation Service Process Model Configuration APIs 	Windows Process Activation Service generalizes the IIS process model, removing the dependency on HTTP. All the features
-		Add Required Features Cancel



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

Add Roles Wizard		×
Select Role	Services	
Before You Begin Server Roles Web Server (IIS) Role Services Confirmation Progress Results	Select the role services to install for Web Server (IIS): Bole services: Web Server Common HTTP Features Static Content Objectory Browsing HTTP Enors HTTP Redirection Application Development ASP.NET NET Extensibility Server Side Indudes Health and Diagnostics Health and Diagnostics Health and Diagnostics Health and Diagnostics Health and Diagnostics Request Monitor Tracing Custom Logging DDPC Learning Custom Logging	Description: Active Server Pages (ASP) provides a server side scripting environment for building Web sites and Web applications. Offering improved performance over CGI scripts, ASP provides IIS with native support for both VBScript and JScript. Use ASP if you have existing applications that require ASP support. For new development, consider using ASP.NET.
	_< <u>Previous</u> _ !	Next > Cancel

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

Add role services required for AS You cannot install ASP unless the required role services and the required role services are required role services and the required role services are requir	
Role Services:	Description:
 Web Server (IIS) Web Server Application Development ISAPI Extensions 	Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
	Add Required Role Services Cancel



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



7. 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.

Before You Begin Server Roles Web Server (IIS)	To install the following roles, role services, or features, click Install. (j) 2 informational messages below
Role Services	(1) This server inght need to be restarted after the installation completes.
Confirmation	
Yrogress Res dis	(i) The outmore about Windows System Resource Manager (WSRM) and how it can help optimize DPU usage Web Server Common HTTP Features Static Content Default Document Directory Drowsing HITP Errors Application Development ASP DSAFL Extensions Health and Diagnostics HITP Logging Request Monitor Security Request Monitor Security Request Filtering Default Compression Static Content Compression Static Content Compression Y

8. This screen shows you the progress of the installation.



Before You Begin	The following roles, role pervices, or features are being installed:
Server Roles Web Server (3(S)	Web Server (IIS)
Role Services	Windows Process Activation Service
Confirmation	
Progress	
Results	

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

erver Roles	The following roles, role services, or features we	re installed successfully:	
/eb Server (IIS)	🔿 Web Server (115)	Installation succeeded	A
Role Services Confirmation trogress Reputts	The following role services were installed: Web Server Common HTTP Features Static Content Default Document Directory Browsing HTTP Errors Application Development ASP ISAPI Extensions Health and Diagnostics HTTP Logging Request Noritor Security Request Plotting Performance Static Content Compression Management Tools DIS Management Console		



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

•		
ev the status of features installed on this server and add or remove features.	/	
Summary	Features Summary Help	
Features: Coloring data		
	ev the status of features installed on this server and add or remove features. • Summary	ew the status of features installed on this server and add or remove features.

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

Features	Select one or more features to install on this server.	
Confirmation	Eeatures:	Description:
Progress	Inter Framework 3.0 Features (Instaled) SitLocker Drive Encryption SITS Server Extensions Connection Manager Administration Kit Vesking expectance Group Policy Management Internet Printing Clent Internet Starage Name Server LFR Port Monitor Message Queuing Multipath I/O Network Load Balancing Peer Name Resolution Protocol Quality Windows Audio Video Experience Remote Assistance Remote Differential Compression Remote Server Administration Tools (Instaled) Removable Storage Manager / PAC over HTTP Proxy (Instaled) Simple TCP/IP Services SIMTP Server The Powers	Desktop Experience includes of Windows Vista, such as W Media Player, desktop theme photo management. Desktop Experience does not enable a Windows Vista features; you manually enable them.

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, do this by typing <u>http://localhost</u> 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.

Ca Ca SUMANIAP +	Sites + Default Web Site				300 - D 60 -
File View Hele					
Connections	-				Actions
2	Default We	b Site Home			Explore
. SUMMOUNT Curren-HP/Sum	Filter	- 10 Go - 🐺 Show All)	Group by: Area	- 127 -	Edit Fermission.
- 2 Application Poels	25		OUNTRACT.		Edit Site
Detsut Web Ste	Explore	A D	1	1	Beickegs
	Edit Permissiona	Compression Default	Directory Error Pages	Handler	New Applications
0	Add Application .	Document	Browsing	Mappings	New Without Directories
	Add Virtual Directory	jn 2	1 See		Manage Web Site 💿 🗉
	Edit Bindings	MIME Types Modules	Cutput Request Caching Filtering	SSL Settings	C Report Filter
	Manage Web Site 🔹 🔸		country raining		· Step
10	Refresh				Browse Web Site
×	Remove				S Browce 180 (http)
	Rename				Advanced Settings
12	Switch to Content View				Configure
	T Features View 10 Conte				Limite

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.



You can check	vour operatin	a system	by clicking	start - Co	ntrol Panel - S	vstem
Tou our oncon	your operatin	g bybloin		<i>j</i> o tait o o		yotom

Site name: Def	fault Web Site		
Path: /			
<u>Alias:</u>			
AXEnterprise			
Example: images			
Physical path:			
C:\Program Files (x86)\CardManag	ge	
Pass-through aut	nentication		
Connect as	Test Settings	1	
Connect as	rescoerungs.	<u> </u>	

- 18. Click 'Connect as' and ensure application user pass though authentication is selected.
- 19. Then click OK and click OK in Add Virtual Directory.

1	Add Virtual Directory	[P 23]	
1	Connect As	2 ×)
-	Path credentials		
	Specific usen	Set	
	Application user (pass through authentication)		
	OK 4	Cancel	
			,
	Connect as Test Settings		
•	> ок	Cancel	
L. L.			

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.

	🗼 AX200 Properties 🛛 🔀
	General Sharing Security Previous Versions Customize
	Object name: C:\Program Files\AX200
	Group or user names:
	SYSTEM SYSTEM Administrators (TestserverWindo\Administrators)
	Althim Bold Cols (Tester ver Viril Color Minimized Cols) V Althim School (Tester ver Viril Color Minimized Cols) V
	To change pemissions, click Edit. Edit
	Permissions for AX200
	Security
	Object name: C:\Program Files\AX200
	Group or user names:
	& SYSTEM & Administrators (TestserverWindo\Administrators)
	& Users (TestserverWindo\Users) & TrustedInstaller
_	Add Remove
Se	lect Users or Groups
	Select this object type:
	Users, Groups, or Built-in security principals Object Types irom this location:
	TESTSERVERWINDO
<u> </u>	inter the object names to select (<u>examples</u>):
Ĩ	Check Names
(Advanced OK Cancel

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'.



elect Users or Gro	ups			? ×
Select this object ty	•			
Users, Groups, or E	Built-in security princip	pals	<u>O</u> bject	Types
From this location:				
DEMO-PC			Locat	ions
Common Queries				
N <u>a</u> me: S	tarts with 💌			Columns
Description: S	tarts with 👻			Find Now
Disabled acc	ounts			Stop
Non expiring	password			
Days since last l	ogon:			\$
Search res <u>u</u> lts:			ОК	Cancel
Name (RDN)	In Folder			^
C	DEMO-PC			
Event Log Re	DEMO-PC			
Everyone 🔣	DEMO-PC			
Guest	DEMOTE			=
	DEMO-PC			
Guests				
Guests				
Guests IIS_IUSRS INTERACTIVE		1		
Guests IIS_IUSRS INTERACTIVE		I		

Select Users or Groups	? 💌
Select this object type:	
Users, Groups, or Built-in security principals	Object Types
From this location:	
TESTSERVERWINDO	Locations
Enter the object names to select (<u>examples</u>):	
IUSR	Check Names
Advanced	OK Cancel

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



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)

bjoornamo. o. a togram	Files (x86)\AX200	
proup or user names:		
CREATOR OWNER		(
Administrators (WIN-45)		trators)
용 Trusted Installer		
	ا بېر	Remove
ermissions for Users	A <u>d</u> d Allow	Denv
Full control		
Modify		
Read & execute	1	
List folder contents	\checkmark	
	1	

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



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

Solution	NDO 🕨 Sites 🕨 Default Web Site 🕨		
<u>F</u> ile <u>V</u> iew <u>H</u> elp			
Connections	ASP		Actions
- Application Pools	Display: Friendly Names -		Genetic
a 🔞 Sites	Behavior		
👂 😔 Default Web Site	Code Page	0	Online Help
	Enable Buffering	True	
7	Enable Chunked Encoding	True	
	Enable HTML Fallback	True	
	Enable Parent Paths	False	
	Limits Properties		
	Client Connection Test Interval	00:00:03	
	Maximum Requesting Entity Body Limit	> 1073741824	
	Queue Length	3000	
	Request Queue Time-out	00:00:00	
	Response Buffering Limit	4194304	
	Script Time-out	00:01:30	
	Threads Per Processor Limit	25	
	Locale ID	0	
	Restart On Config Change	True	
	Compilation		
	Debugging Properties		
	Script Language	VBScript	
	Services		
	Caching Properties		
	Com Plus Properties		
	E Session Properties		

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.



Ele View Help								
Connections	Application	on Pools					Actions Add Application Pool Set Application Pool Defaults	/
Sai trage WIN-ETA9MB2GDAF (WIN-ETA9MB2GDAF\Adr Adr Application Pools	This page lets you view applications, and provid	and manage the list of ap e isolation among differen	dication pools on the s t applications.	erver. Application pools a	re associated with v	worker processes, contain one or more	Set Application Pool Defaults Help	K
Sites Operault Web Site	Filter:		how All Group by: I				Online Help	
	Classic .NET App	Started v2.0	Managed Pipeli Classic	NetworkService	Applications 0			
	DefaultAppPool	Started v2.0	Integrated	NetworkService	1			

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

pp	ication Pool Defaults		1	
E	(General)			
	.NET Framework Version	v2.0		
⋟	Enable 32-Bit Applications	Truc		
1	Managed Pipeline Mode	Integrated		
	Queue Length	1000		
	Start Automatically	True	Ŧ	
E	CPU			
	Linit	0		
	Limit Action	NoAction		
	Linit Interval (ninutes)	5		
	Processor Affinity Enabled	False		
	Processor Affinity Mask	4294967295		
E Process Model				
	Identity	ApplicationPoolIdentity		
	Idle Time-out (minutes)	20		
	Load User Profile	False		
	Maximum Worker Processes	1		
	Ping Enabled	True		
	Ping Maximum Response Time (sec	cond 90		
	Ping Period (seconds)	30		
	Shutdown Time Limit (seconds)	90		
	Startup Time Limit (seconds)	90		
Е	Process Orphaning			
	Reading.	Talas		

- 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



	lication Pool Defaults	?	×
]	(General)		
	.NET Framework Version	v2.0	
	Enable 32-Bit Applications	True	
	Managed Pipeline Mode	Integrated	
	Queue Length	1000	
	Start Automatically	True	
	CPU		
	Limit	0	
	Limit Action	NoAction	
	Limit Interval (minutes)	5	
	Processor Affinity Enabled	False	
	Processor Affinity Mask	4294967295	r
•	Process Model		
	Identity	NetworkService	
	Idle Time-out (minutes)	55	
	Load User Profile	False	
	Maximum Worker Processes	1	
	Ping Enabled	True	
	Ping Maximum Response Time (second	90	
	Ping Period (seconds)	30	
		30 90	
	Ping Period (seconds)		
3	Ping Period (seconds) Shutdown Time Limit (seconds)	90	

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

Application Pool Identity	<u>? ×</u>
Built-in account:	
NetworkService	
C LocalService LocalSystem	
NetworkService ApplicationPoolIdentity	<u>S</u> et,
	OK Cancel

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.



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.

AXEnterp	orise								_0,
				Version:1.1	.2				
AX200 Se		192.168.16.3	4	AM200 E	older Path:	C:\Program Fil	es (x86)\AX2	200	
			·	AX200 P	older Path:		· · ·		
Remote Dual Red)									
DN	SDI	4	Time	T	ре				
					_				
		_							
					►				
								Start	Stop
					_				
ey missing	(Running	as demøj. S	Serial no:	-213553657	73)				

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.



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



In the download section:

Enable Automatic Prompting for active x controls



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.

Ir	iternet Options
	General Security Privacy Content Connections Programs Advanced
	Settings
	Always show encoded addresses
	Send IDN server names Send IDN server names for Intranet addresses
	Send UTF-8 URLs
	Show Notification bar for encoded addresses
	Use UTF-8 for mailto links A Multimedia
	Enable alternative codecs in HTML5 media elements*
	Enable automatic image resizing
	Play animations in webpages*
	Play sounds in webpages Show image download placeholders
	Show pictures
	Security
	*Takes effect after you restart Internet Explorer
	Restore advanced settings
	Reset Internet Explorer settings Resets Internet Explorer's settings to their default
	condition.
	You should only use this if your browser is in an unusable state.
	OK Cancel Apply

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.

Internet Options
General Security Privacy Content Connections Programs Advanced Select a zone to View-or change security settings.
Internet Local intranet Trusted sites Restricted sites
This zone contains websites that you trust not to damage your computer or your files. You have websites in this zone.
Security level for this zone



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)

Trusted sites	—
You can add and remove websites from this zor this zone will use the zone's security settings.	ne. All websites in
Add this website to the zone:	
http://192.168.16.10	Add
<u>W</u> ebsites:	
http://172.16.10.10	Remove
http://192.168.1.1	
http://192.168.16.10	
http://192.168.16.28	
Require server verification (https:) for all sites in this	zone
	Close

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.

42	Choose		Ele b
AND TRACT	your box! 1 2 3	£182,098.40	File + Zoom (100%) +
LATEST WINNERS	n £454,766 Jane V wan £217,103 Mark D wan £194,023	Adrian T won £193,988 Ar	Safety +
Make MSN UK your horoepage		Bulke 75k Follow Welcome	View downloads Ctrl+7
	h NSN Images Videox Shopping Nenti Maps	000 FBC 800, FBC	Manage add-ons FL2 developer tools
msn 🛚 🛛	bing	Internet 🛼 💐	Go to pinned sites
		Options	Internet options



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

Internet Options
General Security Privacy Content Connections Programs Advanced
Home page To create home page tabs, type each address on its own line.
http://www.msn.com/?ocid=EIE9HP&PC=UP50
Use <u>c</u> urrent Use de <u>f</u> ault Use <u>b</u> lank Browsing history
Delete temporary files, history Settings passwords, and web form information.
Delete browsing history on exit
Change search defaults. Settings
Tabs Change how webpages are displayed in Se <u>t</u> tings
Appearance
OK Cancel Apply



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

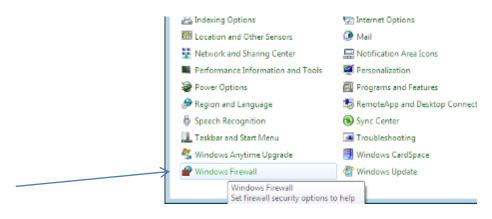
Temporary Internet Files and History Settings
Temporary Internet Files
Internet Explorer stores copies of webpages, images, and media for faster viewing later.
Check for newer versions of stored pages:
© Every time I <u>s</u> tart Internet Explorer
<u>Automatically</u>
© <u>N</u> ever
Disk space to use (8-1024MB) 250 - (Recommended: 50-250MB)
Current location:
C: \Users \Richard \AppData \Local \Microsoft \Windows \Temporary Internet Files \
Move folder View objects View files
History
Specify how many days Internet Explorer should save the list of websites you have visited.
Days to keep pages in history: 20
OK Cancel

Then Click OK. In the Internet Options window click OK

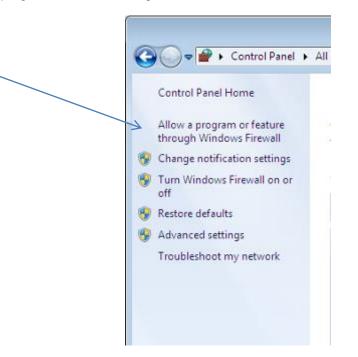
Setting up the Firewall to allow the AX Enterprise to communicate

Go to the Control Panel and click on Windows Firewall.





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





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

Exceptions control how programs communicate through Windows Firewall program or port exception to allow communications through the firewall. Windows Firewall is currently using settings for the private network locati	
What are the risks of unblocking a program?	
To enable an exception, select its check box:	
Program or port	
Secure World Wide Web Services (HTTPS)	
Windows Communication Foundation	
☐ Windows Firewall Remote Management	
Windows Management Instrumentation (WMI)	
🗌 Windows Media Player	
Windows Media Player Network Sharing Service	
Windows Remote Management	
 Windows Security Configuration Wizard	
World Wide Web Services (HTTP)	
	_
Add program Add port Properties Delete	8



Add a Port	×
Use these settings to open a port through Windows Firewall. To find the port number and protocol, consult the documentation for the program or service you want to use.	
Name: (UPD) Enviroment	
Port number: > 50000	
Protocol: C ICP	
What are the risks of opening a port?	
Change scope OK Cancel	

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
(UPD) 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.



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.

Ele Action yiew Help		
🗢 🔿 🖄 🔁 🔛		
Server Manager (WIN-455K).	7679 Roles	
Rales	r line	
Features	New the health of the roles installed on your server and add.	remains other and features
E Configuration	They delived on the following on your serve and add	a remove roles and readines.
🖃 🧱 Storage		
	🔿 Roles Summary	Roles Summary Help
		K
	Roles: 0 of 18 installed	Add Roles
		🔂 Remove Roles

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



Add Roles Wizard	x
Before You Beg	in
Before You Begin Server Roles Continnation Progress Results	This waard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site. Before you continue, writy that: • The Administrator account has a strong password • Network settings, such as static IP addresses, are configured • Network settings, such as static IP addresses, are configured • The latest security updates from Windows Update are installed If you have to complete any of the preceding steps, cancel the waard, complete the steps, and then run the witard agen. To continue, disk Next.
	Skin this page by default <u> </u>

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.



Add Roles Wizard		×
Select Serv	ver Roles	
Before You Begin Server Roles Confirmation	Select one or more roles to install on this server. Roles:	Description: Web Server (IIS) provides a reliable,
Progress Results	 Active Directory Certificate Services Active Directory Domain Services Active Directory Federation Services Active Directory Rights Management Services Application Server DHCP Server DNS Server File Services (Installed) Hyper-V Network Policy and Access Services Drint Services UDDI Servers UDDI Server Update Services Windows Deployment Services Windows Server Update Services 	Additional role services can be added from the Roles home page.
	< <u>P</u> revious	Next > Install Cancel

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

C'a	Add features required for Web Se You cannot install Web Server (IIS) unless the require	
	Features:	Description:
	Windows Process Activation Service	Windows Process Activation Service
	Process Model	generalizes the IIS process model, removing the dependency on HTTP. All the features
	Configuration APIs	the dependency of TTTT. At the leatures
		Add Required Features Cancel



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

Before You Begin Server Roles	Select the role services to install for Web Server (IIS): Role services:	Description:
Web Services Role Services Confirmation Progress Results	Web Server Web Server Static Content Default Document Default Document Directory Browsing HTTP Erors HTTP Redirection Application Development ASP.NET NET Extensions ISAPI Extensions ISAPI Filters Server Side Includes Health and Diagnostics HTTP Logging Logging Tools Request Monitor Tracing Custom Logging	Active Server Pages (ASP) provides a server side scripting environment for building Web sites and Web applications. Offering improved performance over CGI scripts, ASP provides IIS with native support for both VBScript and JScript. Use ASP if you have existing applications that require ASP support. For new development, consider using ASP.NET.

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

¥=	Add role services required for AS You cannot install ASP unless the required role ser	vices are also installed.
	Role Services: Web Server (IIS) Web Server Application Development ISAPI Extensions	Description: <u>Web Server (IIS)</u> provides a reliable, manageable, and scalable Web application infrastructure.
		Add Required Role Services Cancel

V

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





- 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

rience includes features ista, such as Windows desktop themes, and ement. Desktop es not enable apy of the a features; you must ole them.

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



Server Manager		ذلالع
File Action View Help		
🗢 🏟 🙎 🚾 📓		
L Server Manager (WIN-ETA9MB20 FI D Roles	D Features	
Diagnostics Configuration Storage	View the status of features installed on this server and add or remove features.	
	Features Summary	Features Summary Help
	Features: Colecting data	a Add Features

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

Features Confirmation	Select one or more features to install on this server. Features:	Description:
Progress	INET Framework 3.0 Features (Installed) BitLocker Drive Encryption BITS Server Extensions Connection Manager Administration Kit Desktop Experience (Installed) Group Policy Management Internet Printing Client Internet Storage Name Server LPR Port Monitor Message Queuing Multipath I/O Network Load Balancing Peer Name Resolution Protocol Quality Windows Audio Video Experience Remote Assistance Remote Server Administration Tools (Installed) Removable Storage Manager RPC over HTTP Proxy Simple TCP/IP Services SMTP Server SUMD Service	Desktop Experience includes feature of Windows Vista, such as Window Media Player, desktop themes, an photo management. Desktop Experience does not enable any o Windows Vista features; you must manually enable them.

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 <u>http://localhost</u> to Internet Explorer, the screen below should appear. Now close the Internet Explorer when finished.



G 157 ×			P+BCX 0 0 0
* E × L3 mmo * Eage * Safat	ようこそ ^{Welcome} Bienvenido Bienvenue 政證 Velkommen Benvenuto Welkom Valkommen	vindo Vitejse Tervetuloa DHAAA DOMA VELKOMIN 文但 Witamy Witamy Q한다다	

- 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.
- 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: 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

Site name: Default W Path: /	/eb Site
<u>A</u> lias:	
XEnterprise	
Example: images	
Physical path:	
C:\Program Files (x86)\(CardManage
Pass-through authentica	ation
Connect as Test	Settings
Connect as Test	Settings

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

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

1	Add Virtual Directory	[P 33]	
	Connect As	2 ×	1
	Path credentials		
	Specific user		
	Application user (pass-through authentication)	Set	
	Appreciation user (pass through accremication)		
	ок	Cancel	
			ł
	Connect as Test Settings		
	οκ	Cancel	
l			

- 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.



AX200 Properties			
General Sharing Security Previous Versions Customize			
Object name: C:\Program Files\AX200			
Group or user names:			
SYSTEM	<u> </u>		
Administrators (TestserverWindo\Administrators)	-		
4 III III III			
To change permissions, click Edit. Edit		L	
Permissions for AX200	83	·	
Security		-	
Object name: C:\Program Files\AX200			
Group or user names:			
SYSTEM .			
Administrators (TestserverWindo\Administrators) & Users (TestserverWindo\Users)			
StrustedInstaller			
Add Remo	ve		
Select Users or Groups	l	? 💌	
Select this object type: Users, Groups, or Built-in security principals	Object	t Types	
From this location:			
TESTSERVERWINDO	Loca	ations	_
Enter the object names to select (<u>examples</u>):		k Names	
	Crieda	R Names	
Advanced OK		Cancel	

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'.



Select this object type:	
Users, Groups, or Built-in security principals	Object Types
From this location:	
DEMO-PC	Locations
Common Queries	
Name: Starts with 👻	<u>C</u> olumns
	Find Now 4
Description: Starts with V	
Disa <u>b</u> led accounts	Stop
Non expiring password	
Days since last logon:	- And
	OK Cancel
Search res <u>u</u> lts:	Cancer
Name (RDN) In Folder	^
Guest DEMO-PC Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE LOCAL SERV NETWORK	E
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE IUSR LOCAL SERV	E
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE IUSR LOCAL SERV	E
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE IUSR LOCAL SERV NETWORK	
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE LOCAL SERV NETWORK ect Users or Groups	-
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE LOCAL SERV NETWORK Incent Users or Groups elect this object type:	
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE LOCAL SERV NETWORK ect Users or Groups elect this object type: Jsers, Groups, or Built-in security principals	-
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE LOCAL SERV NETWORK ect Users or Groups elect this object type: Jsers, Groups, or Built-in security principals	
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE IUSR LOCAL SERV NETWORK ect Users or Groups elect this object type: Jsers, Groups, or Built-in security principals rom this location:	
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE IUSR LOCAL SERV NETWORK Local SERV NETWORK Local SERV Sers, Groups or Built-in security principals rom this location: TESTSERVERWINDO	2 X
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE IUSR LOCAL SERV NETWORK LOCAL SERV LOCAL SERV NETWORK LOCAL SERV LOCAL SERV L	Object Types Locations
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE	Object Types
Guests DEMO-PC IIS_IUSRS DEMO-PC INTERACTIVE LOCAL SERV NETWORK Let Users or Groups elect this object type: Jsers, Groups, or Built-in security principals rom this location: TESTSERVERWINDO inter the object names to select (examples):	? Object Types Locations

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



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)

group or user names:			
SCREATOR OWNER			
SYSTEM			
& Administrators (WIN-455	Contraction of the second s	trators)	
Sers (WIN-45SKUW6)	'9MM\Users)		
StrustedInstaller			
	A <u>d</u> d	Remove	
ermissions for Users	Allow	Deny	T
Full control	D		
Modify			
Modily	825500	_	
Read & execute	\checkmark		
	8		

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. AXEnterprise Installation and user guide Dec 2013 45



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

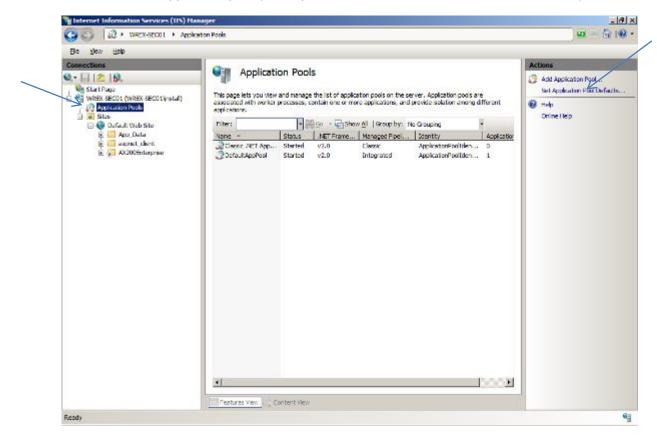
TESTSERVERWINDO	Sites Default Web Site AXEnterprise		E 🖉 🖉
e <u>V</u> iew <u>H</u> elp			/
TESTSERVERWINDO (Testserv	☐ ASP Display: Friendly Names ▼		Actions Apply Cancel
- 2 Application Pools	Behavior		😧 Help
a 😳 Sites	Code Page	0	Online Help
Default Web Site > - 1 aspnet_client	Enable Buffering	True	
AXEnterprise	Enable Chunked Encoding	True	
A A A A A A A A A A A A A A A A A A A	Enable HTML Fallback	True	
	Enable Parent Paths	False	
	Limits Properties		
T I I	Client Connection Test Interval	00:00:03	
	Maximum Requesting Entity Body Limit	1073741824	
	Queue Length	3000	
	Request Queue Time-out	00:00:00	
	Response Buffering Limit	4194304	
	Script Time-out	00:01:30	
	Threads Per Processor Limit	25	
	Locale ID	0	
	Restart On Config Change	True	
	Compilation		
	E Debugging Properties		
	Script Language	VBScript	
	3 Services		
	E Caching Properties		
	E Com Plus Properties		
E	E Session Properties		

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

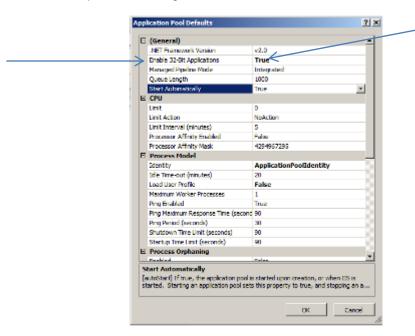
<u>File View H</u> elp			
Connections	ASP ASP		Actions
▲	Display: Friendly Names		🖳 🗟 Cancel
- Deplication Pools	Behavior		Help
Sites Default Web Site	Code Page	0	Online Help
Default web Site	Enable Buffering	True	
	Enable Chunked Encoding	True	
	Enable HTML Fallback	True	
	Enable Parent Paths	False	
	Limits Properties		
	Client Connection Test Interval	00:00:03	
	Maximum Requesting Entity Body Limit	> 1073741824	
	Queue Length	3000	
	Request Queue Time-out	00:00:00	
	Response Buffering Limit	4194304	
	Script Time-out	00:01:30	
	Threads Per Processor Limit	25	
	Locale ID	0	
	Restart On Config Change	True	
	Compilation		
	Debugging Properties		
	Script Language	VBScript	
	Services		
	Com Plus Properties		



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





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)

=	(General)	▲	
	NET Framework Version	v2.0	
	Enable 32-Bit Applications	True	
	Managed Pipeline Mode	Integrated	
	Queue Length	1000	
	Start Automatically	True	
-	СРИ		
	Limit	0	
	Limit Action	NoAction	
	Limit Interval (minutes)	5	
	Processor Affinity Enabled	False	
	Processor Affinity Mask	4294967295	
-	Process Model		
	Identity	NetworkService	
	Idle Time-out (minutes)		
	tale nime-out (minutes)	55	
	Load User Profile	55 False	
	Load User Profile	False	
	Load User Profile Maximum Worker Processes	False 1 True	
	Load User Profile Maximum Worker Processes Ping Enabled	False 1 True	
	Load User Profile Maximum Worker Processes Ping Enabled Ping Maximum Response Time (second	False 1 1 True 90 Image: Second	
	Load User Profile Maximum Worker Processes Ping Enabled Ping Maximum Response Time (second Ping Period (seconds)	False 1 1 True 90 30	
	Load User Profile Maximum Worker Processes Ping Enabled Ping Maximum Response Time (second Ping Period (seconds) Shutdown Time Limit (seconds)	False I 1 True 90 30 90 I	

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

Appl	ication Pool Identity		<u>? ×</u>	
۲	Built-in account:			
	NetworkService	•		
0	LocalService LocalSystem			
	NetworkService ApplicationPoolIdentity	•	<u>S</u> et	
		ОК	Cancel	

Click OK on the application pool defaults screen and Restart IIS Manager. Now close IISManager. AXEnterprise Installation and user guide Dec 2013



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 ^(a) icon and it will appear.

🔍 AXEnter	prise					_0
			Version:1.1.2			
			_			
AX200 Se	erver IP: ¹⁹	2.168.16.34	AX200 Folder Pat	n: C:\Program Files (x86)	VAX2UU	
Remote (Dual Rec	e URL					
IDN	SDN	Time	Туре			
,						
			F			
					Start	Stop
ey missing	(Running as	dema). Serial n	o: -2135536573			
1						

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.



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

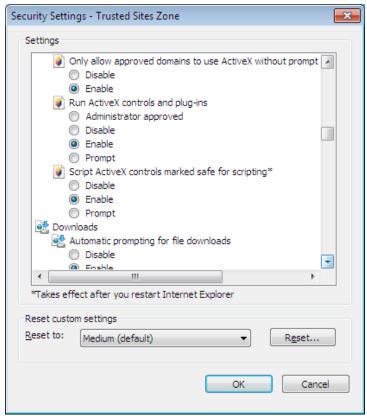
Enable Allow Scriptlets

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



Settings				
	No. V and taken in and alson it			
	tiveX controls and plug-i Allow previously unuse		steala ta cua u	
	 Allow previously unuse Disable 	d Actives cor	Turois to run v	without prom
	 Disable Enable 			-
	Allow Scriptlets			L
	Disable			
	Enable			
	Prompt			
	Automatic prompting for	or ActiveX co	ntrols	
	 Disable 			
	 Enable 			
	Binary and script beha	viors		
	Administrator appr	oved		
	Disable			
	Enable			
4	Display video and anim	ation on a we	ahnana that r	loes not use
				•
*Takes	effect after you restart	Internet Expl	orer	
-Reset cu	stom settings			
<u>R</u> eset to:	Medium (default)		•	R <u>e</u> set
		_		
			OK	Cance





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.

Internet Options								
General Security Privacy Content Connections Programs Advanced								
Settings								
Always show encoded addresses Send IDN server names Send IDN server names for Intranet addresses Send IDN server names for Intranet addresses Send UTF-8 URLs Show Notification bar for encoded addresses Sus Use UTF-8 for mailto links Multimedia Finable alternative codecs in HTML5 media elements* Finable automatic image resizing Play animations in webpages* Play sounds in webpages Show image download placeholders								
Show pictures								
4 III >>>								
*Takes effect after you restart Internet Explorer								
Restore advanced settings								
Reset Internet Explorer settings								
Resets Internet Explorer's settings to their default Reset								
condition.								
OK Cancel Apply								

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.

Internet Options
General Security Privacy Content Connections Programs Advanced
Select a zone to viety or change security settings.
Internet Local intranet Trusted sites Restricted sites
This zone contains websites that you trust not to damage your computer or your files.
You have websites in this zone.
Security jeven for this zone



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)

Trusted sites	—
You can add and remove websites from this zon this zone will use the zone's security settings.	e. All websites in
Add this website to the zone:	
http://192.168.16.10	Add
<u>W</u> ebsites:	
http://172.16.10.10	<u>R</u> emove
http://192.168.1.1	
http://192.168.16.10	
http://192.168.16.28	
Late: // 400, 400, 40, 00	
Require server verification (https:) for all sites in this	zone
	Close

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

Men de min zom inder ouere disebeerd	BångtolägeoUPSOäsodoEBENHPäarol 🖉 + 🗄 🖒 X	MON DK - Hotmail co.uk II	NAMENA	Print	n 17 🛱 F
	Choose		COULCI .	File	
	your box! 1	2 3	£182,098.40	Zoom (100%)	
LATEST W	INNERS n £454,766 Jane V wan £217,103	Mark D won £194,023	Adrian T won £193,988 Ar	Safety	
Make MSN UK your homepage			E Like 75k Velcom		Ctrl+J
7.22	Web MSN Images Videos Shopping News	1 Maps	On to man news (Page	Manage add-one	
"msn\{		bing	laten et 🧃 🕴	F12 developer tools	
11311			Internet	Go to pinned sites	
			Options	Internet options	
NEWS SPORT ENTERTAI	NMENT LIFESTYLE CARS VIDEO PHOTOS	MORE		About Internet Explorer	



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

Internet Options
General Security Privacy Content Connections Programs Advanced
Home page To create home page tabs, type each address on its own line. http://www.msn.com/?ocid=EIE9HP&PC=UP50
Use <u>current</u> Use de <u>f</u> ault Use <u>b</u> lank Browsing history
Delete temporary files, history Settings passwords, and web form information.
Delete browsing history on exit
<u>D</u> elete <u>Settings</u>
Change search defaults. Settings
Tabs Change how webpages are displayed in Se <u>t</u> tings
Appearance
OK Cancel Apply



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

Temporary Internet Files and History Settings
Temporary Internet Files Internet Explorer stores copies of webpages, images, and media for faster viewing later.
Check for newer versions of stored pages:
Disk space to use (8-1024MB) (Recommended: 50-250MB)
Current location: C:\Users\Richard\AppData\Local\Microsoft\Windows\Temporary Internet Files\
Move folder View objects View files
History
Specify how many days Internet Explorer should save the list of websites you have visited.
Days to keep pages in history: 20
OK Cancel

Then Click OK.



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.

🝿 Windows Firewall with Advanced S	5ecurity	_ 🗆 ×
Eile Action View Help		
	Vindows Firewall with Advanced Security on Local Computer	Actions
Cutbound Rules		Windows Firewall with Advanced S 🔺
Connection Security Rules	Windows Firewall with Advanced Security provides network security for Windows computers.	Import Policy
🗉 🛃 Monitoring		Export Policy
	Overview	Restore Default Policy
	Domain Profile	Diagnose / Repair
	Windows Firewall is on.	View
	Nound connections that do not match a rule are blocked.	Q Refresh
	Outbound connections that do not match a rule are allowed.	
	Private Profile	Properties
	Windows Firewall is on	R Help
	Indexe reveals on: Index re	
	Outbound connections that do not match a rule are allowed.	
	Public Profile is Active	
	Windows Frewal is on.	
	Windows hrewall is on. Inbound connections that do not match a rule are blocked.	
	Outbound connections that do not match a rule are blocked. Outbound connections that do not match a rule are allowed.	
1 1	Windows Firewall Properties	
	Getting Started	
	Authenticate communications between computers	
	Create connection security rules to specify how and when connections between computers are authenticated and protected by using Internet Protocol security (IPsec).	
	Connection Security Rules	
	View and create firewall rules	
	Create firewall rules to allow or block connections to specified programs or ports. You can also allow a connection only if it is authenticated, or if it comes from an authorized user, group, or computer. By default, inbound connections are blocked unless they match a rule that allows them, and outbound connections are allowed unless they match a rule that blocks them.	
	Dispound Bules	
]

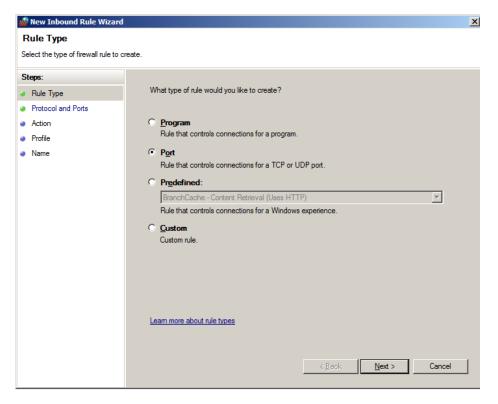
39. Select Inbound rules

e <u>A</u> ction ⊻iew <u>H</u> elp							
🔿 🖄 📷 🗟 🚺							
Windows Firewall with Advanced	Inbound Rules						Actions
Inbound Rules Outbound Rules	Name	Group	Profile	Enabled	Action		Inbound Rules
Connection Security Rules	AX200 Access Control System		Domain	No	Allow		New Rule
Monitoring	AX200 Access Control System		Domain	No	Allow		
	BranchCache Content Retrieval (HTTP-In)	BranchCache - Content Retrie	All	No	Allow		Filter by Profile
	BranchCache Hosted Cache Server (HTTP-In)	BranchCache - Hosted Cache	All	No	Allow		Tilter by State
	BranchCache Peer Discovery (WSD-In)	BranchCache - Peer Discovery	All	No	Allow		Filter by Group
	COM+ Network Access (DCOM-In)	COM+Network Access	All	No	Allow		Piter by Group
	COM+ Remote Administration (DCOM-In)	COM+Remote Administration	All	No	Allow		View
	Core Networking - Destination Unreachable (All	Yes	Allow		Q Refresh
	Core Networking - Destination Unreachable		All	Yes	Allow		
	Core Networking - Dynamic Host Configurati		All	Yes	Allow		Export List
	Core Networking - Dynamic Host Configurati		All	Yes	Allow		7 Help
	Core Networking - Internet Group Managem		All	Yes	Allow		
	Core Networking - IPHTTPS (TCP-In)	Core Networking	All	Yes	Allow		BranchCache Content Retrieval (H
	Core Networking - IPv6 (IPv6-In)	Core Networking	All	Yes	Allow		O Enable Rule
	Core Networking - Multicast Listener Done (I		All	Yes	Allow		-
	Core Networking - Multicast Listener Query (All	Yes	Allow		of Cut
	Core Networking - Multicast Listener Report		All	Yes	Allow		Copy
	Core Networking - Multicast Listener Report		All	Yes	Allow		
	Core Networking - Neighbor Discovery Adve		All	Yes	Allow		🗙 Delete
	Core Networking - Neighbor Discovery Solicit		All	Yes	Allow		Properties
	Core Networking - Packet Too Big (ICMPv6-In)		All	Yes	Allow		
	Core Networking - Parameter Problem (ICMP		All	Yes	Allow		🛿 Help
	Core Networking - Router Advertisement (IC		All	Yes	Allow		
	Core Networking - Router Solicitation (ICMP		All	Yes	Allow		
	Core Networking - Teredo (UDP-In)	Core Networking	All	Yes	Allow		
	Core Networking - Time Exceeded (ICMPv6-In)	-	All	Yes	Allow		
	OFS Management (DCOM-In)	DFS Management	All	Yes	Allow		
	OFS Management (SMB-In)	DFS Management	All	Yes	Allow		
	OFS Management (TCP-In)	DFS Management	All	Yes	Allow		
	OFS Management (WMI-In)	DFS Management	All	Yes	Allow		
	Distributed Transaction Coordinator (RPC)	Distributed Transaction Coordi	All	No	Allow		
	Distributed Transaction Coordinator (RPC-EP		All	No	Allow		
	Distributed Transaction Coordinator (TCP-In)	Distributed Transaction Coordi	All	No	Allow		
	File and Printer Sharing (Echo Request - ICM		All	No	Allow		
	File and Printer Sharing (Echo Request - ICM		All	No	Allow		
	File and Printer Sharing (LLMNR-UDP-In)	File and Printer Sharing	All	No	Allow		
	File and Printer Sharing (NB-Datagram-In)	File and Printer Sharing	All	No	Allow	_	

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40. Click New rule



41. In Rule Type wizard select Port and click next



💮 New Inbound Rule Wizard		×
Protocol and Ports		
Specify the protocols and ports to	which this rule applies.	
Steps:		
Rule Type	Does this rule apply to TCP or UDP?	
Protocol and Ports	O <u>I</u> CP	
 Action 	⊙ <u>U</u> DP	
Profile		
Name	Does this rule apply to all local ports or specific local ports?	
	O <u>All local ports</u>	
	Specific local ports: 50000	
	Example: 80, 443, 5000-5010	
	Learn more about protocol and ports	
	< Back Next > Cance	
		

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



🍿 New Inbound Rule Wizard	X
Action	
Specify the action to be taken w	nen a connection matches the conditions specified in the rule.
Steps:	
 Rule Type Protocol and Ports 	What action should be taken when a connection matches the specified conditions?
Action Profile Name	Allow the connection This includes connections that are protected with IPsec as well as those are not. Allow the connection if it is secure
	This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node. Customize Customize Learn more about actions
	< Back Next > Cancel

44. Confirm the action as allow connection. Click Next

🍿 New Inbound Rule Wizar	d X
Profile	
Specify the profiles for which this	s rule applies.
Steps:	
 Rule Type Protocol and Ports Action Profile Name 	 When does this rule apply? Domain Applies when a computer is connected to its corporate domain. Private Applies when a computer is connected to a private network location. Public Applies when a computer is connected to a public network location.
	< Back Next > Cancel

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



💣 New Inbound Rule Wizard	<u>×</u>
Name	
Specify the name and description	of this rule.
Steps:	
 Fuls Type 	
Protocol and Ports	
Action	
 Profile 	Nerve: JDP50000
ø Nane	Jobs 20000)
	Description (optional)
	< Back Enish Cancel

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

Printers Percel with Schward S	School Sole					Actions		
3 Shord K.Md	Fare .	One	meter.	(Probled	Ann -	Informal Entry		
Connection Security Rules	() OF SOME	Call	-	100	Alex	In Inter Balt		
Developing Kurdo	44/38 Access Central Switzm		Domain	14	Alex	The second se		
	Carton System		Denain-	198	Abra	V New ky Hudle		
	BranchCadres Content Rational (FITTP-30)	BrenchCache - Content Rates	Al	198	Alter	T film builder		
	BranchCadre Horad Carte Server (HTTP-20)		AB.	194	Alan	The biose		
	Bandicade Ner Doarwy (rsb-6)	Wandscade - Rev Sacorery	-MI	754	Alex	R LINE STORED		
	COR+19/waik dutes (DCOH 3)	CDN+ ferlands Asiens	M	258	Alet	Vev		
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	Conc Networking - Destination Unreachable		40	108	Alex	in Revellat.		
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	Cowrenuoking - 2447192 (7044)	Care Networking	2	16	Alex	 Deuble Rule 		
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	Conclusion - Pauler Jakow Speciel SC		÷.	Ves.	dies			
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	OD'S Management (DCOH-Ini	OFS Managament	Mi l	THE .	Alan			
	CP5 Management 2M8-30	DFS Managament	A6.	764	Alex			
	CPDPS Management (TCP-41)	DP3 Management	ALC: N	796	Alan			
	COTS Nanapenent (VPD In)	DPI Maragement	ALC: N	The.	Alen			
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	Office and Printer Sharing Carlo Respect 104		Al-	198	Alex	1		
	File and Primer Sharing (Citro Respect - ICM		ALC: N	164	Alter	1		
	The and Promot Sharing (LMHR-KDP-In)	File and Portar charing	All .	164	Akan wi	1		

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



e <u>A</u> ction <u>V</u> iew <u>H</u> elp							
🔿 🖄 📅 😹 🚺 🖬							
Windows Firewall with Advanced S	Inbound Rules						Actions
Inbound Rules	Name	Group	Profile	Enabled	Action		Inbound Rules
Connection Security Rules	CTCP4782		All	Yes	Allow		Rule
Monitoring	0 TCP4783		All	Yes	Allow		New Rule
and Monitoring	0 TCP50505		Al	Yes	Allow		Filter by Profile
	ØUDP4372		All	Yes	Allow		Filter by State
	ØUDP50011		All	Yes	Allow		1 · · ·
	ØUDP50010			Yes	Allow		Tilter by Group
	@udp 50000		All	Yes	Allow		View
	AX200 Access Control System		Domain	No	Allow		Back
	AX200 Access Control System		Domain	No	Allow		Q Refresh
	BranchCache Content Retrieval (HTTP-In)	BranchCache - Content Retrie	All	No	Allow		Export List
	BranchCache Hosted Cache Server (HTTP-In)	BranchCache - Hosted Cache	All	No	Allow		Help
	BranchCache Peer Discovery (WSD-In)	BranchCache - Peer Discovery	All	No	Allow		In Help
	COM + Network Access (DCOM-In)	COM+ Network Access	All	No	Allow		Selected Items
	COM+ Remote Administration (DCOM-In)	COM+Remote Administration	All	No	Allow		
	Ocore Networking - Destination Unreachable (Core Networking	All	Yes	Allow		Disable Rule
	Ocore Networking - Destination Unreachable	Core Networking	All	Yes	Allow		🔏 Cut
	Ocore Networking - Dynamic Host Configurati	Core Networking	All	Yes	Allow		
	Ocore Networking - Dynamic Host Configurati	Core Networking	All	Yes	Allow		Copy
	Ore Networking - Internet Group Managem	Core Networking	All	Yes	Allow		🔀 Delete
	Core Networking - IPHTTPS (TCP-In)	Core Networking	All	Yes	Allow		Help
	Core Networking - IPv6 (IPv6-In)	Core Networking	All	Yes	Allow		I nep
	Ore Networking - Multicast Listener Done (I	Core Networking	All	Yes	Allow		
	Ore Networking - Multicast Listener Query (Core Networking	All	Yes	Allow		
	Ocore Networking - Multicast Listener Report	Core Networking	All	Yes	Allow		
	Ocore Networking - Multicast Listener Report	Core Networking	All	Yes	Allow		
	Ocore Networking - Neighbor Discovery Adve		All	Yes	Allow		
	Ocore Networking - Neighbor Discovery Solicit	Core Networking	All	Yes	Allow		
	Core Networking - Packet Too Big (ICMPv6-In)		All	Yes	Allow		
	Ocore Networking - Parameter Problem (ICMP		All	Yes	Allow		
	Ocore Networking - Router Advertisement (IC		All	Yes	Allow		
	Core Networking - Router Solicitation (ICMP		All	Yes	Allow		
	Ocore Networking - Teredo (UDP-In)	Core Networking	All	Yes	Allow		
	Ocore Networking - Time Exceeded (ICMPv6-In)		All	Yes	Allow		
	OFS Management (DCOM-In)	DFS Management	All	Yes	Allow		
	OFF Management (SMB-In)	DFS Management	All	Yes	Allow		
	ODFS Management (TCP-In)	DFS Management	All	Yes	Allow		
	ODFS Management (WMI-In)	DFS Management	All	Yes	Allow	-	
•						<u>ب</u>	1

50. Exit the Firewall.

AX Enterprise Installation Windows 7

Configuring IIS 7

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

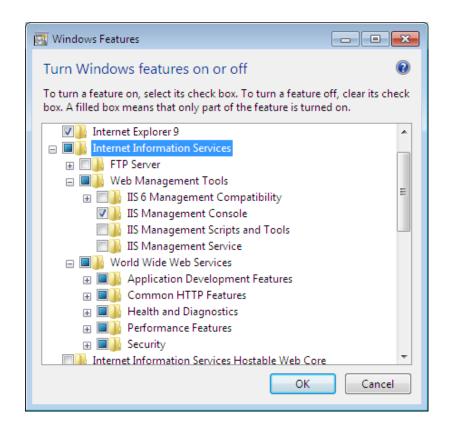
Please do not install the AX200 or the AX Enterprise. You will be prompted later in this document

To Install IIS 7

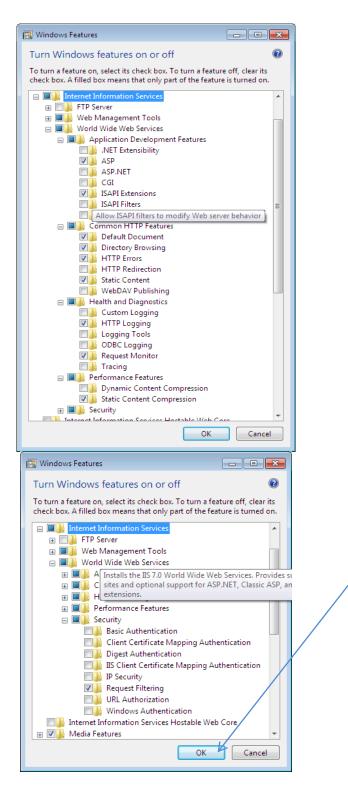
You must be a member of the Administrators group to install IIS 7.

- 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.









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.



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

- Se http://localhost/			ନ-ଛ¢× ଜିଙ୍ଭି
8 IIS7 ×			
🚰 + 🖾 - 🗆 🖶 - Eage - Safety - Tools - 🐠 - 🔊 🕅			
Bienvenue 武道 Velkommen Benvenuto Welkom Välkommen Hoş Geldi	IIS7 internet information services	vindo Vitejte Tervetuloz ברובים VELKOMEN 文印 Witamy Witamy 9감니다 2	

- 6. Run setup.exe of AX200 this is located in theAX200 installation folder.
- 7. Run setup.exe of AX Enterprise this is located in the AX Enterprise installation folder.
- 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.



G SUMANHP >	Sites + Defeult Web Site +	1 M + D + + + + + + + + + + + + + + + + +
File Wew Help		
Connections	Default Web Site Home	Actions Explore Edit Fermination.
Ster	25 plore faPernisionCompressionDelastEncePage	Edit Site Bindarga. Binic Settinga. Hander Wass Applications
7.	dd Application	Mappings View Winut Directores Manage Web Site ® # St. Settings © Report
1	Caching Filtering clock	Stat Stat Stat Browse Web Site
	cname	Advanced Settings
10	Witch to Centert Wew	Configure Limits.

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

-	Add Virtual Directory
	Site name: Default Web Site Path: /
	<u>A</u> lias:
	AXEnterprise
	Example: images
	Physical path:
	C:\Program Files\CardManage
	Pass-through authentication
	Connect as Test Settings
	OK Cancel

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



G S SUMAN HP + Stes + C	Default Web Ske 🔸	🖬 📾 🖄 🔞 •
File View Help Connections A-92 SUMAN HP (Suman HP/Sum A-92 SUMAN HP (Suman HP (Sum A-92 SUM A-92 SUMAN HP (Sum A-92 SUM A-92 SUMAN HP (Sum A-92 SUM A-92 SUMAN HP (Sum A-92 SUM A-92	Path credentials: Specific usen Application user (pass-through suthemication) Application user (pass-through suthemication) Connel Connel Connel Connel Connel Connel	Actions Fuplore Inft Permissions Edit Site Endings Basic Settings Vices Applications Vices Applications Vices Visual Directories Nanage Web Site Start Browne Web Site Browne Web Site Browne Web Site Browne Web Site Browne Web Site Configure Links White Help

- 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)



	🗼 AX200 Properties [23
	General Sharing Security Previous Versions Customize	
	Object name: C:\Program Files\AX200	
	Group or user names:	
	& CREATOR OWNER	×
	& Administrators (TestserverWindo\Administrators)	-
	View Ileare (Taetean/ar/Windo/Lleare)	
	To change permissions, click Edit. Edit	
	Permissions for AX200	<u></u>
	Security	
	Object name: C:\Program Files\AX200	
	Group or user names:	
	& CREATOR OWNER	
	& SYSTEM	
	Administrators (TestserverWindo\Administrators)	
	& Users (TestserverWindo\Users)	
	Regional Trusted Installer	
	Add Remove	
	Remissions for CREATOR	
	Select Users or Groups	? 💌
	Select this object type:	
	Users, Groups, or Built-in security principals	Object Types
	From this location:	
	TESTSERVERWINDO	Locations
	Enter the object names to select (<u>examples</u>):	
\rightarrow		Check Names
	Advanced OK	Cancel

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'.



Select Users or Groups	? ×
Select this object type:	
Users, Groups, or Built-in security principals	Object Types
From this location:	
DEMO-PC	Locations
Common Queries	
Name: Starts with 💌	Columns
Description: Starts with 💌	Find Now
Disa <u>b</u> led accounts	Stop
Non expiring password	
Days since last logon:	//
Search res <u>u</u> lts:	OK Cancel
Name (RDN) In Folder	A
R Distributed C DEMO-PC	
Event Log Re DEMO-PC	
Everyone Guest DEMO-PC	
Guests DEMO-PC	E
RIIS_IUSRS DEMO-PC	
IUSR	
LOCAL SERV	
NETWORK	-
ect Users or Groups	? 🗙
ect this object type:	
sers, Groups, or Built-in security principals	Object Types
om this location:	
ESTSERVERWINDO	Locations
iter the object names to select (<u>examples</u>):	
JSR	<u>C</u> heck Names
Advanced	OK Cancel

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



Group or user names:	
CREATOR OWNER CREAT	
Permissions for Users	A <u>d</u> d <u>R</u> emove
Full control	

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

ASP	5
ASP Display: Friendly Names Display: Friendly Names Display: Friendly Names Default Web Site Default Store Enable H7ML Fallback True Enable H7ML Fallback Default Web Site Default Web	
TESTSERVERWINDO (Testser Application Pools Sets Code Page Default Web Site Default Suffering Enable HTML: Falback Enable Parent Paths Enable Parent Paths Default Web Site Enable Parent Paths Enable Parent Paths Default Web Site Enable Parent Paths Default Meda Default Web Site Default Web Site Default Web Site Default Meda Default Meda Defaul	Actions
Code Page Code Code Page Code Code Page Code Code Page Code Code Code Code Code Code Code Code	Apply
Application Pools • @ Sters • @ aspnet_client • @ AXEnterprise • @ Behavior • @ Code Page • @ Sters • @ Code Page • @ Sters • @ Code Page • @ Sters • @ Code Page • @ Code Page • @ Code Page • [Initis Properties Client Connection Test Interval Ot	Cancel
Stes Default Web Site Default Web Site Default Web Site Default Web Site Default Meb Site Default Site Defa	Help
Default, Word Site Enable Buffering True Enable Churked Encoding True Enable Churked Encoding True Enable Parent Paths False Imits Properties Client Connection Test Interval Output 1073741824 Queue Length 3000 Request Queue Time-out 09,00,00 Request Queue Time-out 09,00,00 Script Time-out 09,00,00 Thread-ter Processor Limit 25 Lorde ID 0 Restart On Config Change True	Online Help
P Spring_Cutent Finable Chunked Encoding True Enable HTML Fallback True Enable Arem Paths False Elimits Properties 000003 Maximum Requesting Entity Body Limit 10737341824 Queue Length 3000 Request Queue Time-out 000000 Response Buffering Limit 4143041 Script Time-out 0001:30 Thread-ter Processor Limit 25 Loctale ID 0 Restart On Config Change True	
Enable HTML Fallback True Enable Parth Paths False Limits Properties	
Enable Parent Paths False Limits Properties 0000/03 Maximum Requesting Entity Body Limit 1073741824 Queue Length 3000 Request Queue Time-out 0000000 Response Buffering Limit 4194304 Script Time-out 0001:30 Threadther Processor Limit 25 Locale ID 0 Restart On Config Change True	
Client Connection Test Interval 00:00:03 Maximum Requesting Entity Body Limit 1073741824 Queue Length 3000 Request Queue Time-out 00:00:00 Response Buffering Limit 4194304 Script Time-out 00:01:30 Thread-Per Processor Limit 25 det El D 0 Restart On Config Change True	
Maximum Requesting Entity Body Limit 1073741824 Queue Longth 3000 Request Queue Time-out 00:00:00 Response Buffering Limit 4194304 Script Time-out 00:01:30 Thresdetter Processor Limit 25 Locale ID 0 Restart On Config Change True	
Queue Length 3000 Request Queue Time-out 0000:00 Response Buffering Limit 4194304 Script Time-out 00:01:30 Threadurer Processor Limit 25 Loctale ID 0 Restart On Config Change True	
Request Queue Time-out 00:00:00 Response Buffering Limit 4194304 Script Time-out 00:01:30 Thread-PEr Processor Limit 25 Locole ID 0 Restart On Config Change True	
Response Buffering Limit 4194304 Script Time-out 00/01:30 Thread-Per Processor Limit 25 detGie ID 0 Restart On Config Change True	
Script Time-out 00:01:30 Thresdowfer Processor Limit 25 toctale ID 0 Restart On Config Change True	
Threads Per Processor Limit 25 Jordale ID 0 Restart On Config Change True	
kottāle ID 0 Restart On Config Change True	
Restart On Config Change True	
□ Compilation	
Debugging Properties	
Script Language VBScript	
Caching Properties Com Plus Properties	

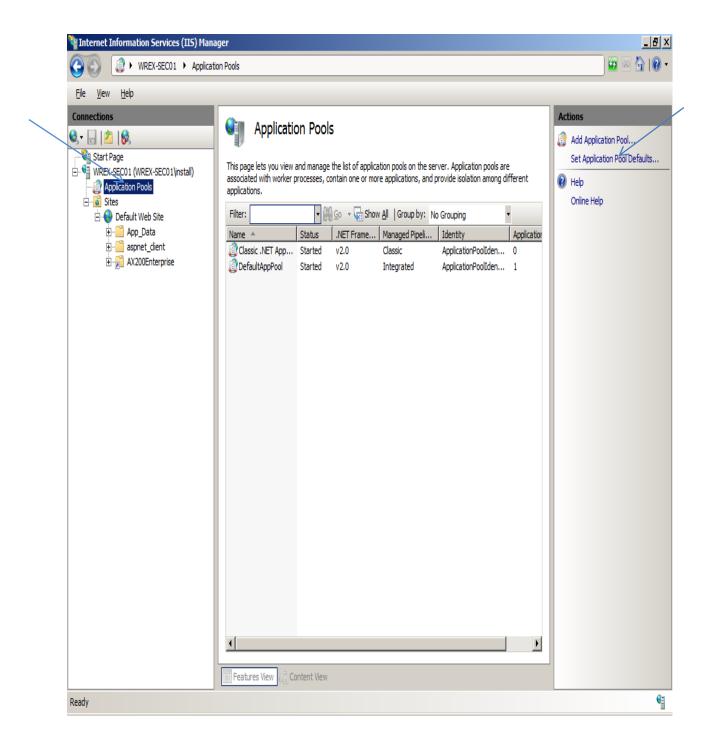
19. Repeat on Default website and the PC. Move the cursor from that field and click apply

🕒 🕥 🛛 😌 דestserverwi	INDO 🔸 Sites 🕨 Default Web Site 🕨		
<u>F</u> ile <u>V</u> iew <u>H</u> elp			
Connections	() ACD		Actions
	ASP ASP	ASP ASP	
TESTSERVERWINDO (Testserv	Display: Friendly Names	Disalars Educate Manager	
- 💭 Application Pools			e Help
a 🐻 Sites	Behavior	0	Online Help
Default Web Site	Code Page		
	Enable Buffering	True True	
	Enable Chunked Encoding		
	Enable HTML Fallback	True	
	Enable Parent Paths	False	
	Limits Properties		
	Client Connection Test Interval	00:00:03	
	Maximum Requesting Entity Body Limit	1073741824	
	Queue Length	3000	
	Request Queue Time-out	00:00:00	
	Response Buffering Limit	4194304	
	Script Time-out	00:01:30	
	Threads Per Processor Limit	25	
	Locale ID	0	
	Restart On Config Change	True	
	Compilation		
	Debugging Properties		
	Script Language	VBScript	
	Services		
	Caching Properties		
	E Com Plus Properties		
	E Session Properties		

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





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

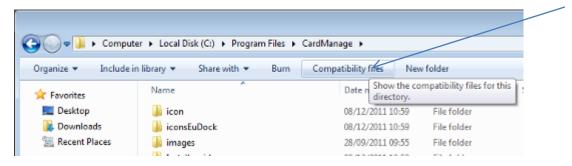


Internet Information Services (IIS) Ma	-			
G S WREX-SEC01 ► Applic	ation Pools		<u>19</u>	🖂 🏠 I 🕢 👻
Eile <u>V</u> iew <u>H</u> elp				
Ele Vew Help Connections Very Start Page Very Start	Application Pool Defaults Image Program Image Program Image Program Image Program Image Program Start Automatically Image Program Image Program Image Processor Affinity Mask Image Process Model Identity Identity	v2.0 True Integrated 1000 True 0 NoAction 5 False 4294967295 ApplicationPoolIdentity	2 X Actions re different Add Application P Add Application P Set Application P Application Online Help 1 1	
	Idle Time-out (minutes) Load User Profile	20 False		
	Maximum Worker Processes	1		

21. Then selecting NetworkService from the dropdown menu.

Application Pool Identity		? 🔀
<u>Built-in account:</u>		
NetworkService	•	
LocalService LocalSystem		
NetworkService ApplicationPoolIdentity		<u>S</u> et
	ОК	Cancel

- 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



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 ^a icon and it will appear.

👯 AXEnterprise						
		Version	1.1.2			
AX200 Server II	P: 192.168.16.34	AX20	00 Folder Path:	C:\Program Files (x86)\4X200		
Remote URL (Dual Redundan	e					
IDN	SDN	Time	Туре			
	<					
		<				
	1					
•						
					Start	Stop
Running						

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:



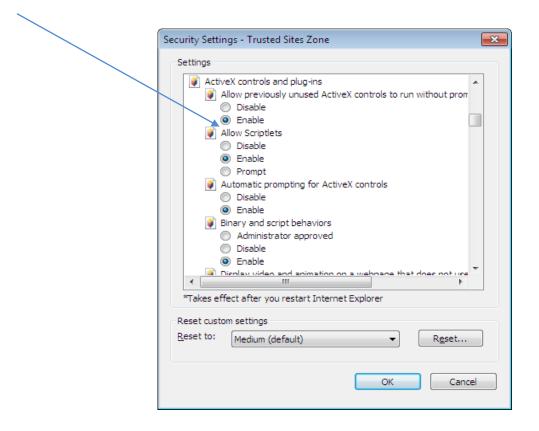
Enable Allow previously unused ActiveX controls to run without prompt

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





curity Settings - Trusted Sites Zone	l.						
Settings							
 Only allow approved domains to Disable Enable 	use ActiveX without prompt 🔺						
Run ActiveX controls and plug-in							
 Administrator approved 	-						
 Disable 							
Enable							
Prompt							
Script ActiveX controls marked s	afe for scripting*						
💮 Disable							
 Enable 							
Prompt							
🛃 Downloads							
Automatic prompting for file dow	nloads						
 Disable 	-						
Fnshle III							
*Takes effect after you restart Internet E	Explorer						
Reset custom settings							
Reset to: Medium (default)	Reset						
	• <u>Re</u> settin						
	OK Cancel						

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



Internet Options	x						
General Security Privacy Content Connections Programs Adva	nced						
Settings	-						
Always show encoded addresses Send IDN server names Send IDN server names Send UTF-8 URLs Show Notification bar for encoded addresses Use UTF-8 For mailto links Use UTF-8 for mailto links Multimedia Enable alternative codecs in HTML5 media elements* Enable automatic image resizing Play animations in webpages* Play sounds in webpages Show image download placeholders Show pictures							
Security							
*Takes effect after you restart Internet Explorer							
<u>R</u> estore advanced settings	s						
Reset Internet Explorer settings	- 1						
Resets Internet Explorer's settings to their default Reset							
You should only use this if your browser is in an unusable state.							
OK Cancel App	ply						

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.





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).

Trusted sites	×
You can add and remove websites from this zon this zone will use the zone's security settings.	ne. All websites in
Add this website to the zone:	
http://192.168.16.10	Add
<u>W</u> ebsites:	
http://172.16.10.10	<u>R</u> emove
http://192.168.1.1	
http://192.168.16.10	
http://192.168.16.28	
Require server verification (https:) for all sites in this	zone
	Close

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

-		WIN	Print +
	your box! 1 2 3	£182,098.40	File + Zoom (100%) +
LATEST WI	NERS n £454,766 Jane V wan £217,103 Mark D wan £194,023	Adrian T wan £193,988 Ar	Safety +
Make MSN UK your hornepage	web MSN mages Videos Shopping News Maps	Uke 754 Velcome On to trans our (Page	New downloads Ctrl+J Manage add-one
"msn <mark>%</mark>		💶 Internet 🚨 💺	FL2 developer tools Go to printed sites
NEWS SPORT ENTERTAIN	MENT LIFESTYLE CARS VIDEO PHOTOS MORE	Options	Internet options



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

Internet Options
General Security Privacy Content Connections Programs Advanced
Home page
To create home page tabs, type each address on its own line.
http://www.msn.com/?ocid=EIE9HP&PC=UP50
Use <u>c</u> urrent Use de <u>f</u> ault Use <u>b</u> lank
Browsing history
Delete temporary files, history Settings passwords, and web form information.
Delete browsing history on exit
Delete Settings
Search
Change search defaults. Settings
Tabs
Change how webpages are displayed in <u>Settings</u> tabs.
Appearance
Colors Languages Fonts Accessibility
OK Cancel Apply



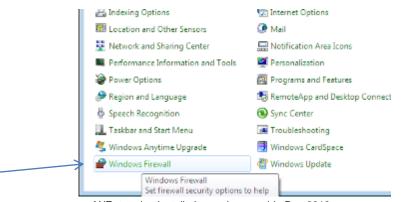
33. Then select the 'Every time I visit the webpage button'

Temporary Internet Files and History Settings						
Temporary Internet Files						
Internet Explorer stores copies of webpages, images, and media for faster viewing later.						
Check for newer versions of stored pages:						
© Every time I <u>s</u> tart Internet Explorer						
<u>Automatically</u>						
© <u>N</u> ever						
Disk space to use (8-1024MB) 250 - (Recommended: 50-250MB)						
Current location:						
C:\Users\Richard\AppData\Local\Microsoft\Windows\Temporary Internet Files\						
Move folder View objects View files						
History						
Specify how many days Internet Explorer should save the list of websites you have visited.						
Days to keep pages in history: 20						
OK Cancel						

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.



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Control Panel + All Control Panel Home Allow a program or feature through Windows Firewall Change notification settings Change notification settings Turn Windows Firewall on or off Restore defaults Advanced settings Troubleshoot my network

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.

Allow programs to communicate through Windows F			
To add, change, or remove allowed programs and ports, click Change What are the risks of allowing a program to communicate?	-	<u>ng</u> e settings	1
Allowed programs and features:			
Name	Home/Work (Private)	Public ^	
✓ Teamviewer Remote Control Service			
Windows Collaboration Computer Name Registration Service			
Windows Firewall Remote Management			
Windows Management Instrumentation (WMI)			
Windows Media Player			
Windows Media Player Network Sharing Service			
Windows Media Player Network Sharing Service (Internet)			
Windows Peer to Peer Collaboration Foundation			
☐ Windows Remote Management			
Wireless Portable Devices			
World Wide Web Services (HTTP)			
		+	
	Details	Remove	



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 swith to desktop style in Windows 8.



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



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.

AXEnterprise				Version:1.1.2				_
				version: 1.1.2				
AX200 Server	IP:	192.168.16.	34	AX200 Folder Pa	ath:	C:\Program Files (x86)\AX200		
Remote UR (Dual Redunda	L ant)							
IDN	SD	N	Time	Туре				
•								
							Start	St
Key missing(Rur	nina	as demo.	Serial no:	-2135536573		·································		_

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 Sever 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.



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.

🗿 AX Enterprise - Microsoft Internet Explorer	
<u>Eile Edit Vi</u> ew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp	
🔇 Back 🔹 🕤 👻 😰 🏠 🔎 Search 👷 Favorites 🛛 🙆 🔹 😓 📼 🕶 💭 🜆	Ц.
Address 🗃 http://192.168.100.100/Ax200enterprise/index.asp	
Welcome User:1 🚅	18 X 21 19 Q 22 10 10 10 10 10 10 10 10 10 10 10 10 10
	Sites
Trial period over	

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



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

Control Panel +	All Control Panel Items Administrative Tools				•
Organize 🔻 🔝 Open Bu	rn				
🔆 Favorites	Name	Date modified	Туре	Size	
🧮 Desktop	Component Services	14/97/2009 05:46	Shortcut	2 KB	
〕 Downloads	🚰 Computer Management	14/07/2009 05:41	Shortcut	2 KB	
🔛 Recent Places	Data Sources (ODBC)	14/07/2009 05:41	Shortcut	2 KB	
	Event Viewer	14/07/2009 05:42	Shortcut	2 KB	
🦂 Libraries	hternet Information Services (IIS) Manager	26/10/2011 15:29	Shortcut	2 KB	
Documents	🔝 iSCSI Initiator	14/07/2009 05:41	Shortcut	2 KB	
al Music	Local Security Policy	24/05/2011 11:53	Shortcut	2 KB	
Pictures	Performance Monitor	14/07/2009 05:41	Shortcut	2 KB	
🚼 Videos	🕅 Print Management	24/05/2011 11:53	Shortcut	2 KB	
	Services	14/07/2009 05:41	Shortcut	2 KB	
1 Computer	🐼 System Configuration	14/07/2009 05:41	Shortcut	2 KB	
🚢 Local Disk (C:)	😥 Task Scheduler	14/07/2009 05:42	Shortcut	2 KB	
🚗 Removable Disk (E:)	12 Windows Firewall with Advanced Security	14/07/2009 05:41	Shortcut	2 KB	
	😿 Windows Memory Diagnostic	14/07/2009 05:41	Shortcut	2 KB	
🗣 Network	😹 Windows PowerShell Modules	14/07/2009 05:52	Shortcut	3 KB	

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

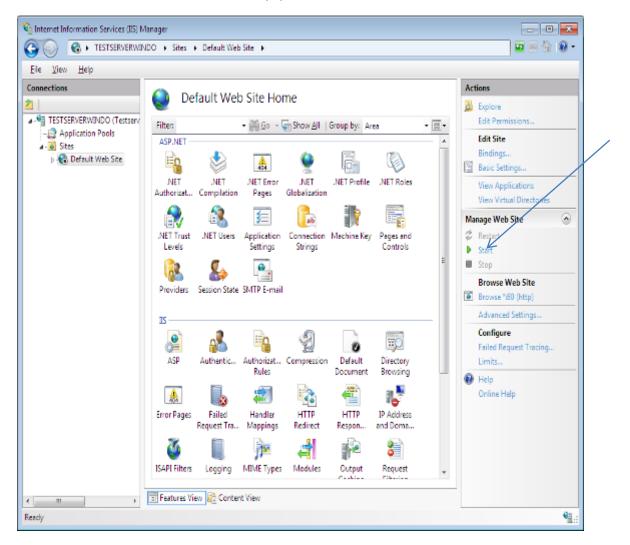
Sintemet Information Services (TS) M	anager							2	
🕒 💮 🔍 🔹 testserverwin	DO F Sites	Default Web	Sta +					· · · · · · · · · · · · · · · · · · ·	
Ele View Help									
Connections TESTSERVERWINDO (Testory Application Peols Site Default Web Site	De Hite: ASPINET Weit Authorizet Authorizet Authorizet Authorizet Providers	fault Web NET Completion NET Users Session State	- 10 - 1 .NET Error Pages Application Settings	Show Al I	Group by A NET Profile Machine Key	NET Roles	• [II]•	Actions Actions Explore Edit Site Bindings Explore Wassis Suttings View Applications View Writed Directories Manage Web Site Stop Browse Web Site Stop Browse "80 (http)	
	IIS ASP Error Pages	Authentic	Authorizat Ruko Handlar	Compression Filte HTTP	Default Decument	Directory Browsing		Advanced Settings Configure Failed Request Tracing Umts Imts Online Help	

Click 'Stop' on the Left hand side of the screen. Now IIS is stopped. AXEnterprise Installation and user guide Dec 2013



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



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.





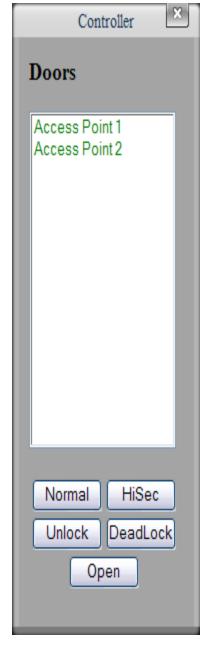
Should one of the sites go into an alarm, you will be able to quickly see this, as a red line encapsulates the site that has an alarm. Displaying as below:



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





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

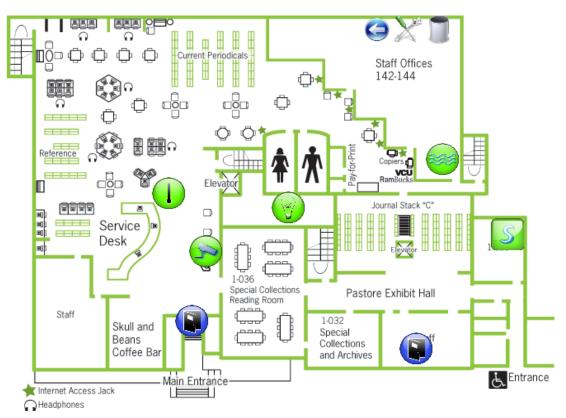
Upload

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 Serveral. Left click on the door or sensor icon on the floor plan.





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 Open door	Status: onli Clear /	
Current Mode:Normal Mode	High Sec	Latched	Deadlock
			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: 🗹	
Reading rate: 1 sec	Reporting rate: <mark>60</mark> sec	Storage rate: <mark>0</mark> sec	
Flood			
Report on change: 🗹	Alarm on flood: 🔽	Alarm on dry: 📃	Store on change: 📃
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, know you can drag and move the door and sensors icons to the corresponding door and sensors are in reality.



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.

				Cardholders				
Cardholder Config	guration							
Main Settings Other			la l					
Main Settings Uther	inte Mode Settings	Personal Imo	venicle into HH Into					
Main Settings								
Card No.	FIND	Department			Nickname			
First		Middle	-		Surname			
Name		Name						
Initial		Print Name			Employment			
Imprint		Badge Type	I		Job Title			
Access Group	AI					Pin Code		
Time Zone	Always Access		-	TimeZone		Card Type	AXESSID FC=1	
Template	General		•	3		Card Status	Active •	
Access Area			-	Search				
EMPLOYEE ID :	SEARCH							
CLEAR ADD UPD	ATE DELETE							
A.1								
- Sort by: [Id]	Card number	* +) (Firs	t name * +1	Middle name * *1	[Sumame * +]	Employer *	+1 [Stat	us * +1
	(cara name)			function of the second se	(assume)	(multister	1 (··· ·



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.

Password

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.

Admins Engineer Guest Operator	

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



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 constructions them to constructions. Once your preference are selected press save, you may now enter users to this group

<u>Admin</u>

Admin Settings:	5	—
Admin Dettings.	w w	

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





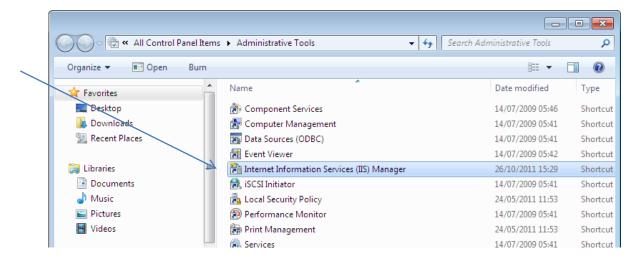
View Log:	*	

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.



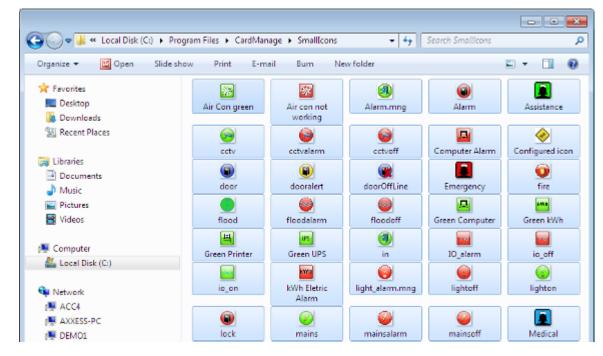
Ele View Help		Ta a co
Connections	Default Web Site Home Filten	Actions Actions Edit Stee Bindings Edit Site Bindings Basic Settings New Applications View Vietual Directores Manage Web Site Compared Stee Step Step Step
	Providers Session State SMTP E-meil IS ASP Authentic Authenzat Compression Default Rules Document Drectory Browsing	Roope Web Site Browse "20 (http) Advanced Settings Configure Failed Request Tracing Limits

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

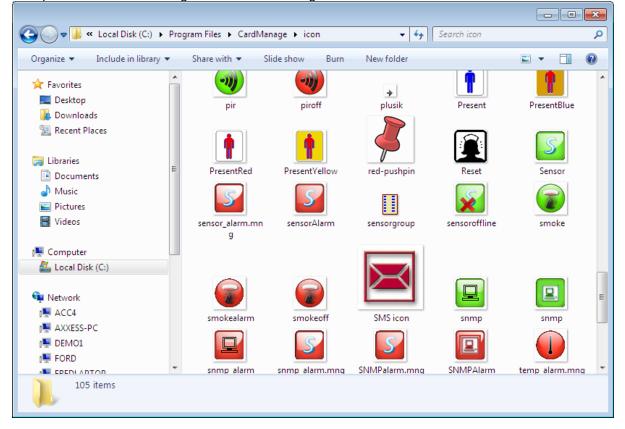
Organize 🔻 📜 Open Includ	le in library Share with Burn	New folder	!≡ ▼ 🔳	(
🔆 Favorites	Name	Date modified	Туре	Siz
📃 Desktop	\mu icon	23/12/2011 14:20	File folder	
🐌 Downloads	\mu iconsEuDock	23/12/2011 14:20	File folder	
🗐 Recent Places	🐌 images	23/12/2011 14:23	File folder	
	\mu Install_guide	23/12/2011 14:20	File folder	
🥽 Libraries 🗧	javascripts	23/12/2011 14:20	File folder	
Documents	🌗 jscalendar	23/12/2011 14:20	File folder	
🎝 Music	퉬 LargeIcons	09/01/2012 14:33	File folder	
E Pictures	🌗 photo	09/12/2011 08:40	File folder	
📑 Videos	PhotoIDSetup	23/12/2011 14:20	File folder	
	January SmallIcons	23/12/2011 14:20	File folder	
🖳 Computer	퉬 StyleSheet	23/12/2011 14:20	File folder	
🏭 Local Disk (C:)	퉬 themes	23/12/2011 14:20	File folder	
	🌗 UDPSetup	23/12/2011 14:20	File folder	
📬 Network	Jan XML	23/12/2011 13:50	File folder	
NCC4	access_area	19/08/2011 09:20	ASP File	
N AXXESS-PC	🚳 Acl	26/10/2011 15:58	Windows Batch File	
NEMO1	AddFloor	08/10/2009 13:56	ASP File	
EOPD T	•	III		

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



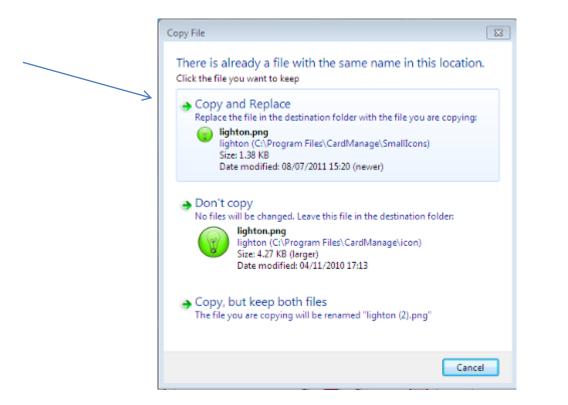


Now paste them into the Program Files\CardManage\icon



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

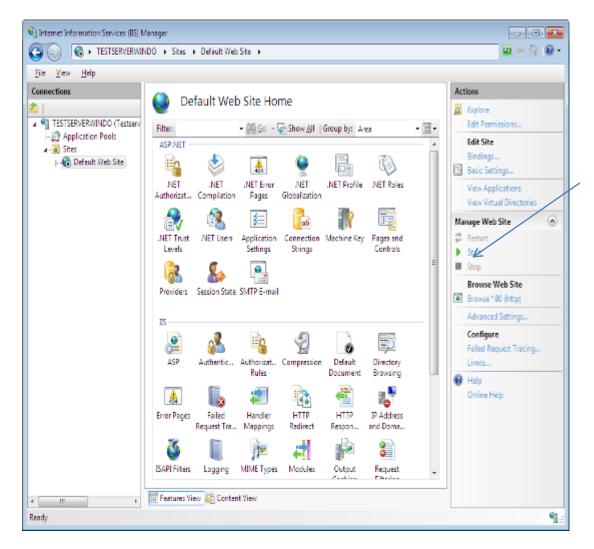




This will now replace all the large icons with the small icons.

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.







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.

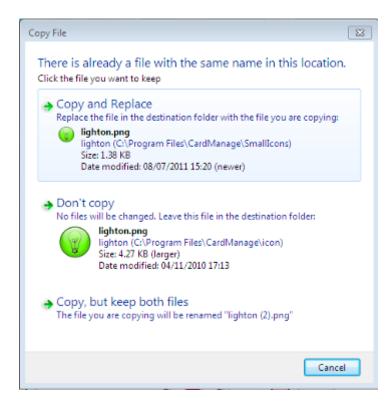
Paste them into Program Files - Card Manage - Icon, remember to replace the icons in this folder.

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









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.



Wizards	s <u>T</u> ools						
_	_						
1	_	_					
100		C	ardholde	er Con	figuratio	n	
	r v		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	7	Y	Y	Y
	Main <u>S</u> ettings	<u>O</u> ther Info	<u>M</u> ode Settings	<u>P</u> ersonal	Info <u>V</u> ehicle	Info HR Info	D Adv. Setting
	 ⊢Main Settings—					•	
	· · · ·						
	Card Number	12344		mprint		Nickname	
	First Name	111	Middle	Name		Surname	
	Initials			Title		Employment	
				,	- his Nisses [111	Employment	
	Department			Print	able Name 111		
	Access Group	All		-	Card Type 🗚	SSID FC=15	•
		Always Access		10/	Template Gene	l	-
		Always Access		_			
	Access area		K	▼ E	adge type		-
	Card Status	Active	•	*	- ČČ-		2
	PIN Code						
				Photo	Add Ŵizard	Replace Wizard	Diagnostic
	Card Number	First Nam	e 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.



Access Area		
Access area (To add right click on Access area)	Groups(Click Add to create group)	
Access area		
Group Configuration		
Group ID		Ē.
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	,	Ē.
Group ID Group Name Cleaner		
Add Delete Kave	Cancel Select Close	

Repeat this step for each category required.



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

Access Area	
Access area (To add right click on Access area)	
Ada	

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.

Access area	—
Enter area code	OK
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.

👝 Access Area	
Access area (To add right click on A area)	Access
Access area	
Delete	
Edit	

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

Access area	—
Enter area code	ок
	Cancel
Loading Bay	

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



Access Area	
Access area (To add right click on Access area)	Groups(Click Add to create group)
Access area	Cleaner
Group Configuration	
Group ID 37	
Group Name Cleaner	
Add Delete Save	Cancel Select Close

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.

- Area	
Code Name ✓ Sales Office 1 Coading Bay 2 Search	

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



The Results will show at the top of screen.

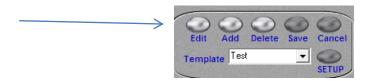
Area Group		n result) ———		
	rea Group Ieaner			
Area				
Code	Name			
0000				
Sales Office	1			
🗌 Loading Bay	2			
		Search		

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.

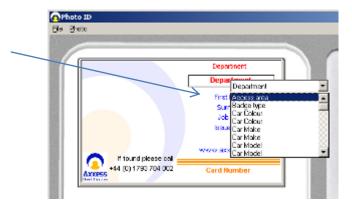
To change the field in the Photo ID, click on Edit on the Photo ID Screen.



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

 Font Colour	-	
Field		
Text Alignment	+	
Group	÷.	

Find the 'Access Area' Field and select it.





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

0	0	0	0	0	
Edit	Add	Delete	Save	Cancel	
Templa	te <mark>Tes</mark> l		•	SETUP	

AX Enterprise

ardholder Con	garation				
Main Settings Oth	er Info Mode Setti	ings Personal Info Vehi	cle info HR info		
Main Settings					
Card No. 21345	FIND	Department Technic	al	 Nickname 	
First Name John		Middle Name		Surname Geden	
Initial Mr		Print Name John Ge	den	Employment Permanent	
Imprint		Bedge Orange Type		→ Job Title IT	
Access Group	All		•	Pin Co	de
			▼ TimeZone	Card Ty	pe AXX

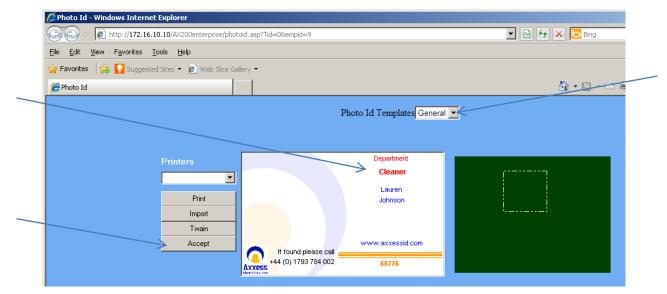
Now go to the AX Enterprise and go to the Cardholder icon at the top of the screen. Select a Cardholder and

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.





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

	💮 🛣 🗱
Print	•
File	•
Zoom (100%)	•
Safety	+
View downloads	Ctrl+J
 Manage add-ons	
F12 developer tools	
Go to pinned sites	
 Internet options	
About Internet Explo	orer
acknowledge!	
ackaowladgal	T

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



prise Installation and user guide Dec 2013



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

Add-on Types	Name	Publisher	Status	Load time	Navigat
 <u>I</u>oolbars and Extensions <u>Search Providers</u> <u>A</u>ccelerators Tracking Protection 	Office Document Cache Handler Windows Live ID Sign-in Helper Groove GFS Browser Helper Bing Bar Microsoft Office Template and XML DOM Document Windows Media Player	Microsoft Corporation Microsoft Corporation	Disabled Disabled Disabled Disabled Enabled Disabled	(0.03 s) (0.00 s) (0.02 s)	(0.00 s) (0.00 s) (0.02 s)
Show: All add-ons • Vindows Media Player Microsoft Corporation	XML DOM Document 6.0 XML HTTP 6.0	Microsoft Corporation Microsoft Corporation Microsoft Corporation	Enabled Enabled		Þ
/ersion: 12.0.7601.17514 File date: Mo <u>r</u> e information	Type: Sear <u>c</u> h for	ActiveX Control this add-on via default sea	rch provider		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.