Windows Server 2008 Pre- Axess Configuration

- One partition on PC
- Install all required drivers (Network, Chipset, System Management, VGA)
- Set Statmon Logo as Desktop background
- Change Administrator account Icon to Statmon OEM Logo
- Add Notepad, Register Object, and UnRegister Object to SendTo directory
- Import registry for Command Prompt on Menu
- Install latest Adobe reader
- Install all Critical Windows Updates
- Install UltraVNC <u>http://www.uvnc.com/download.html</u> (for remote diagnostics)
- Install WinRar http://winrar2008.org (common data compression tool)
- Follow <u>ALL</u> system configuration items outlined in this document
- Disable User Account Control (UAC)
 - \HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\ Policies\Systems\
 - Change EnableLUA <u>V</u>alue Data to "0"
 - Disables UAC Polices
 - Requires Reboot

Edit DWORD (32-bit) Value	×
Value <u>n</u> ame: EnableLUA Value data:	Base <u>H</u> exadecimal Decimal
	OK Cancel

- Configure Static IP for TCP/IPv4 (Obtainable from Network Administrator)
 - Control Panel| Network and Internet | Network Connections

nternet Protocol Version 4 (TCP/IPv4) Properties		
General		
You can get IP settings assigned auto this capability. Otherwise, you need to for the appropriate IP settings.	matically if your network supp o ask your network administra	orts tor
O Obtain an IP address automatica	ally	
□ Use the following IP address: —		[]
IP address:		
Sybnet mask:	· · ·	
Default gateway:		
C Obtain DNS server address auto	matically	
☐ Use the following DNS server ad	dresses:	— II
Preferred DNS server:		
<u>A</u> lternate DNS server:	· · ·	
	Advance	d
	ОКС	ancel

- Disable Windows Firewall
 - Control Panel | Security| Windows Firewall

🕷 Windows Firewall Settings	×
General Exceptions Advanced	
Your computer is not protected: turn on Windows Firewall	
Windows Firewall can help prevent hackers or malicious software from gaining access to your computer through the Internet or a network.	
📀 🔿 On (recommended)	
This setting blocks all outside sources from connecting to this computer, except for those unblocked on the Exceptions tab.	
Block all incoming connections	
Select this option when you connect to less secure networks. All exceptions will be ignored and you will not be notified when Windows Firewall blocks programs.	
Off (not recommended)	
Avoid using this setting. Turning off Windows Firewall will make this computer more vulnerable to hackers or malicious software.	
Tell me more about these settings	
OK Cancel Apply	

Prepping Windows for improved performance..



- Switch theme to "Windows Classic"
 - Rclick Desktop | Personalize | Window Color and Appearance

Appearance		
Inactive Window		
Active Window		
Normal Disabled Sele	cted	
Window Text		
Message Box	X	
Message Text		-
OK		
Color scheme:		
Windows Vista Basic		
Windows Standard		
Windows Classic		
High Contrast White		Effects
High Contract Black		Electari
High Contrast Black High Contrast #2		
High Contrast Black High Contrast #2 High Contrast #1		Advanced
High Contrast Black High Contrast #2 High Contrast #1		A <u>d</u> vanced
High Contrast Black High Contrast #2 High Contrast #1		Advanced

• Right click Start button

- \circ Select <u>L</u>ock the tastbar
- Unselect <u>Group similar taskbar buttons</u>
- Unselect Show <u>Q</u>uick Launch

🐥 Taskbar and Start Menu Properties	×
Taskbar Start Menu Notification Area Toolbars	
Taskbar appearance	
Docum 🏹 Pictures 🖄 Music	
☑ Lock the taskbar	
Auto-hide the taskbar	
Keep the <u>t</u> askbar on top of other windows	
🔲 Group similar taskbar buttons	
5how Quick Launch	
Show window previews (thumbnails)	
How do I customize the taskbar?	
OK Cancel Apply	

- Select tab, Notification Area, and de-select <u>H</u>ide inactive icons. Click apply, then OK.
 - $\circ\quad$ Ensure Clock and Network icons are always shown.

🚣 Taskbar and Start Menu Properties	×
Taskbar Start Menu Notification Area Toolbars	
🦂 🎞 🤯 🔹 12:55 AM	
Icons	
you have not clicked recently.	
Lide inactive icons	
System icons Select which system icons to always show.	
✓ Clock ✓ Volume	
Vetwork	
Eower Eower	
·	1
OK Cancel Apply	

- Right click Start button, select explore, and then navigate to Tools| Folder Options and select:
 - Display full path in title bar
 - Show hidden files and folders
- De-Select
 - Hide extension for known file types
 - Hide protected operating system files
 - Use sharing wizard
- Click <u>Apply</u> and then Apply to Folders

Folder Options
General View Search
Folder views You can apply the view (such as Details or Icons) that you are using for this folder to all folders of this type. Apply to Folders <u>R</u> eset Folders
Advanced settings:
 Files and Folders Always show icons, never thumbnails Always show menus Display file icon on thumbnails Display file size information in folder tips Display simple folder view in Navigation pane Display the full path in the title bar (Classic folders only) Hidden files and folders O not show hidden files and folders Show hidden files and folders Hide extensions for known file types Hide protected operating system files (Recommended)
Restore <u>D</u> efaults
OK Cancel Apply



👺 Display Settings	×
Monitor	
1	
Generic PnP Monitor on Matrox G200e (ServerEngi	nes) - English
<u>R</u> esolution:	<u>C</u> olors:
Low High	High (24 bit) 💌
1280 by 1024 pixels	
Herri de Terstelles hant d'under 2	Advanced Settings
How do I get the best display?	Auvanceu settings
ОК	Cancel <u>Apply</u>

• Browse to the location of the Statmon desktop logo from Personalize | Desktop Background (C:\STC \apps\STC\s-bkgrd-blue.jpg)

Z Desktop Back	skground	- D ×
G v	🔹 Personalization 🔹 Desktop Background 🔹 🚱 Search	
	Choose a desktop background Click a picture to make it your desktop background. To use a picture that's not listed, browse to the picture and dou it.	uble click
	Location Solid Colors	
		•
	More	
	<u>O</u> K Can	cel

💐 Screen Saver Setting	S	X
Screen Saver		
	Control and a second seco	
	Construction and an application and and an application and application an	
	 The first sector of the sector	
	Kontrasting Kontrasti	
	The Antonio Provide Pr	
Screen saver		
(None)	Se <u>t</u> tings Pre <u>v</u> iew	
<u>₩</u> ait: 10 <u>+</u> m	inutes 🗖 On <u>r</u> esume, display logon screen	
Power management		1
Conserve energy or brightness and othe	maximize performance by adjusting display r power settings.	
Change power settir	Ias	
	OK Cancel <u>Apply</u>	

• Select (None) for Screen saver from Personalize| Screen Saver

• Under Personalize| Screen saver| Power management, select <u>Change power</u> <u>settings..</u> Then select High performance power plan and click change plan settings.



• Select Turn off display/sleep "Never" and then click <u>Change advanced power</u> <u>settings...</u>



• Click <u>Change settings that are currently unavailable.</u>

😼 Power Options 🔹 🔋 🗙
Advanced settings
Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power.
 Additional settings Require a password on wakeup Setting: Yes ▼ Hard disk Wireless Adapter Settings Sleep USB settings Power buttons and lid PCI Express
<u>Restore plan defaults</u>
OK Cancel Apply

• Change the following settings:

- Require a password on wakeup : NO
- Turn off Hard disk after: 0 Minutes (Never)
- Sleep:Never

😼 Power Options 🔋 🔀
Advanced settings
Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power.
High performance [Active]
 Additional settings Require a password on wakeup Setting: No Hard disk Turn off hard disk after Setting (Minutes): 0 Wireless Adapter Settings Sleep USB settings Power buttons and lid ■ DCL Express
<u>R</u> estore plan defaults
OK Cancel Apply

- Under Control Panel| System and Maintenance| System, select <u>Advanced system</u> <u>settings..</u>
 - Select the Advanced tab then click "Settings" for Performance...

System Properties	×
Computer Name Hardware Advanced System Protection Remote	
You must be logged on as an Administrator to make most of these changes.	
Performance	
Visual effects, processor scheduling, memory usage, and virtual memory	
Cattings	
User Profiles	
Desktop settings related to your logon	
S <u>e</u> ttings	
Startun and Recovery	
System startup, system failure, and debugging information	
Settings	
Enviro <u>n</u> ment Variables	
	_
OK Cancel Apply	

• Select Adjust for best <u>performance and apply</u>

Performance Options	X	
	1	
Select the settings you want to use for the appearance and performance of Windows on this computer.		
O Let Windows choose what's best for my computer		
Adjust for <u>b</u> est appearance		
Adjust for best performance		
O <u>C</u> ustom:		
Animate controls and elements inside windows	- I	
Animate windows when minimizing and maximizing	7	
Fade or slide menus into view		
Fade or slide ToolTips into view		
Fade out menu items after clicking		
Show preview and filters in folder		
Show shadows under menus		
Show shadows under mouse pointer		
Show thumbhails instead of icons		
Show translucent selection rectangle		
	- 1	
OK Cancel <u>Apply</u>		

• View the Device Manager and verify there are no device issues (Exclamation next to device tree)

🛃 Device Manager	
Eile Action View Help	
STC_CORP-PC Computer Disk drives DVD/CD-ROM drives UPC ATA/ATAPI controllers Computer DE ATA/ATAPI controllers Computer Mice and other pointing devices Points Mice and other pointing devices Points Ports (COM 8.LPT) Processors Computer Computer Disk drives Disk drives DVD/CD-ROM	

• Next, under Control Panel| System and Maintenance| Windows update, click change settings and select "Check for updates but let me choose whether to download and install them."

P Change settings
🌀 🕞 🖉 🗸 Control Panel 🗸 Security 🗸 Windows Update 🗸 Change settings 🔹 🗸 🏠 Search
Choose how Windows can install updates
When your computer is online, Windows can automatically check for important updates and install them using these settings. When new updates are available, you can also install them before shutting down the computer.
Understanding Windows automatic updating
C Install updates automatically (recommended)
Every day at 3:00 AM
O Download updates but let me choose whether to install them
• Check for updates but let me choose whether to download and install them
S Never check for updates (not recommended)
Your computer will be more vulnerable to security threats and performance problems without the latest updates.
Recommended updates
Include recommended updates when downloading, installing, or notifying me about updates
Note: Windows Update may update itself automatically before it checks for other updates. Read our <u>privacy statement</u> online.
OK Cancel

• Ensure Windows Logs for Application, Security, and System have "Overwrite events as needed" selected. This can be checked under Control Panel| System and Maintenance| Administrative tools| Event Viewer| Windows Logs.

Note: "Overwrite events as needed" is on, by default.

Installing Required Windows Components from Server Manager

Roles Control Haddaget (MINOCONCOLOCY) References Disgrostics Configuration Server Summary Storage Server Summary Computer Information Change System Properties Full Computer Name: WIN-AP41TVVGGCV Workgroup: WORKGROUP Local Area Connection: IPV4 address assigned by DHCP, IPV6 enabled Remote Deaktop: Disabled Product ID: 32573-082-2500115-76945 Do not show me this console at logon Sorage Configure Remote Deaktop Windows Frewall: On Windows Frewall: On Windows Frewall: On Windows Frewall: On Windows Configure ID Sorage System Roles Est installed updates: B/19/2008 1.41 PM Last installed updates: Never IE Eshanced Security Configuration On for Administrators (ESC): On for Users	Manager (WIN-AP41TW/GG Server Manager (WIN-AP41TW/GC	2010	
Server Summary Server Summary Help	stes vatures agnostics unfiguration orage	us of this server, perform top management tasks, and add or remove	server roles and features.
Image: Computer Information Image: Change System Properties Full Computer Name: WIN-AP41TV/VGGCV Workgroup: WORKGROUP Local Area Connection: IPv4 address assigned by DHCP, IPv6 enabled Remote Desktop: Disabled Product ID: 92573-082-2500115-76945 □ Do not show me this console at logon Image: Security Information Windows Firewall: On Windows Updates: Download updates only, using Windows Update Last installed updates: 8/19/2008 1:41 PM Last installed updates: Never IE Enhanced Security Configuration On for Administrators On for Users Image: Remote Security Configuration On for Administrators On for Users	Server Summary		Server Summary Help
Workgroup: WORKGROUP Local Area Connection: IPv4 address assigned by DHCP, IPv6 enabled Remote Desktop: Disabled Product ID: 92573-082-2500115-76945 Do not show me this console at logon Importantion Windows Firewall: On Windows Firewall: On Windows Updates: Download updates only, using Windows Update Last installed updates: Never IE Enhanced Security Configuration On for Administrators On for Vers IE Enhanced Security Configuration On for Administrators On for Vers	 Computer Information Full Computer Name: 	WIN-AP41TV/GGCV	Change System Properties View Network Connections Configure Remote Desitor
Remote Desktop: Disabled Product ID: 92573-082-2500115-76945 Do not show me this console at logon Image: Configure Updates Security Information Image: Configure Updates Windows Frewall: On Windows Updates: Download updates only, using Windows Update Windows Updates: 8/19/2008 1:41 PM Last installed updates: Never IE Enhanced Security Configuration (ESC): On for Administrators On for Users	Workgroup: Local Area Connection:	WORKGROUP	
Do not show me this console at logon Security Information Windows Firewall: On Windows Firewall: On Windows Updates: Download updates only, using Windows Update East checked for updates: 8/19/2008 1:41 PM Last installed updates: Never IE Enhanced Security Configuration On for Administrators On for Users Roles Summary Help	Remote Desktop: Product ID:	Disabled 92573-082-2500115-76945	
Windows Firewall: On Image: Configure Updates Windows Updates: Download updates only, using Windows Update Image: Configure Updates Windows Updates: 8/19/2008 1:41 PM Image: Configure Updates Last installed updates: Never Image: Configure Updates IE Enhanced Security Configuration (ESC): On for Administrators On for Users On for Sommary Help	Do not show me this console Security Information	at logon	💣 Go to Windows Firewall
Last checked for updates: 8/19/2008 1:41 PM Last installed updates: Never IE Enhanced Security Configuration On for Administrators On for Users Roles Summary Help	Windows Firewall: Windows Updates:	On Download updates only, using Windows Update	 Configure Updates Check for New Roles Run Security Configuration Wizard
IE Enhanced Security Configuration On for Administrators (ESC): On for Users	Last checked for updates: Last installed updates:	8/19/2008 1:41 PM Never	Lg Configure IE ESC
Roles Summary	IE Enhanced Security Configurati (ESC):	on On for Administrators On for Users	
	○ Roles Summary		Roles Summary Help

Note: External media is not required to install these Windows components.

Under Server Manager| Roles | select and install the following Windows components and sub components:

- IIS
 - Note the requirements listed on the "Before you Begin" window and click next
 - 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

Add Roles Wizard	
Before You Begin	n
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, click Next.
	< <u>Previous</u> <u>Install</u> Cancel

Add Roles Wizard		X
Select Server Ro	les	
Before You Begin Server Roles Web Server (IIS) Role Services Confirmation Progress Results	Select one or more roles to install on this server.	Description: Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure. application infrastructure.

- Select Web Server (IIS) and click next
 - $\circ~$ Ensure all items listed in the following two screenshots are installed with IIS

Add Roles Wizard		×
Select Role Servi	ces	
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: Image: Web Server Image: Common HTTP Features Image: Static Content Image: Default Document Image: Directory Browsing Image: HTTP Errors Image: HTTP Redirection Image: Application Development Image: ASP.NET Image: NET Extensibility Image: ASP Image: Server Side Includes Image: HTTP Logging Image: Logging Tools Image: Request Monitor Image: Tracing Image: Custom Logging Image: DDBC Lenging Image: DDBC Lenging Image: DDBC Lenging Image: DDBC Lenging	 Description: Web Server provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications. At > [nstall] Cancel

Add Roles Wizard		×
Select Role Servi	ces	
Before You Begin Server Roles Web Server (IIS) Role Services Confirmation Progress Results	Select the role services to install for Web Server (IIS):	Description: IIS 6 Management Compatibility provides forward compatibility for your applications and scripts that use the two IIS APIs, Admin Base Object (ABO) and Active Directory Service Interface (ADSI). You can use existing IIS 6 scripts to manage the IIS 7 Web server.
	< <u>P</u> revious <u>N</u> ex	t > install Cancel

Under Server Manager| Features| select and install the following Windows components and sub components:



- MSMQ
 - Select Message Queuing and Expand
 - Select Message Queuing Services and Expand
 - Select Message Queuing Server
 - Message Queuing Triggers
 - HTTP Support
 - Multicasting Support
 - Click Next and wait for installation to complete

Add Features Wizard		×
Select Features		
Features Web Server (IIS) Role Services Confirmation Progress Results	Select one or more features to install on this server. Epatures: NET Framework 3.0 Features (Installed) BitLocker Drive Encryption BitS Server Extensions Connection Manager Administration Kit Desktop Experience Group Policy Management Internet Storage Name Server LPR Port Monitor Message Queuing Message Queuing Services Message Queuing Service Directory Service Integration Message Queuing Support Multicasting Support Multipath I/O Network Load Balancing Paer Name Resolution Protocol Message Queuing ICOM Proxy	Description: Message Queuing provides guaranteed message delivery, efficient routing, security, and priority- based messaging between applications. Message Queuing also accommodates message delivery between applications that run on different operating systems, use dissimilar network infrastructures, are temporarily offline, or that are running at different times. > [rstall

AXESS and SERVER 2008

The following steps are mandatory to get OVIs working on Server 2008!

If you are tired of using the Windows Classic theme on your Server 2008, you can install Desktop Experience so that you can enjoy the eye candy goodness of the Vista theme. Desktop Experience will also install Windows Media Player, Windows Sidebar and photo gallery. Follow these steps to install Desktop Experience and liven up your server:

1. Click Start and select Server Manager



2. When the Server Manager window appears, go to the left pane and select Features.



3. On the right, click the **Add Features** link.

Features	
View the status of features installed or	n this server and add or remove features.
Features Summary	Features Summary Help
Features: 0 of 34 installed	Add Features

4. Check the **Desktop Experience** checkbox



5. Click Next.

6. Click Install

7. When the installation is complete, Windows will notify you that you must restart your server to complete the process.

Desktop Experience	🛕 Restart Pending
A You must restart this server to finish the ins	tallation process.

After you have rebooted, go to **Services** and make sure that the Themes service is started and set to Automatically Start. After that, you are ready to change the theme on your server.

1. Right-click the desktop and select **Personalize**.



2. Select Theme.

Personalize appearance and sounds		
-	Window Color and Appearance Fine tune the color and style of your windows.	
*	Desktop Background Choose from available backgrounds or colors or use one of your own pictures to decorate the desktop.	
Q	Screen Saver Change your screen saver or adjust when it displays. A screen saver is a picture or animation that covers your screen and appears when your computer is idle for a set period of time.	
\$	Sounds Change which sounds are heard when you do everything from getting e-mail to emptying your Recycle Bin.	
R,	Mouse Pointers Pick a different mouse pointer. You can also change how the mouse pointer looks during such activities as clicking and selecting.	
	Theme Change the theme. Themes can change a wide range of visual and auditory elements at one time including the appearance of menus, icons, backgrounds, screen savers, some computer sounds, and mouse pointers.	
	Display Settings Adjust your monitor resolution, which changes the view so more or fewer items fit on the screen. You can also control monitor flicker (refresh rate).	

3. From the **Theme Settings** window, use the **Theme** dropdown and select the **Windows Vista** theme.

💐 Theme Settings	X	
Themes		
A theme is a background plus a set of sounds, icons, and other elements to help you personalize your computer with one click.		
Theme:		
Windows Classic	Save As Delete	
My Current Theme Windows Vista		
Windows Classic		
Active Window		
Window Text		
	-1	
1		
	<u> </u>	
ОК	Cancel Apply	

4. Click OK.

So you go from a boring look like this:



To a much better visual experience:

