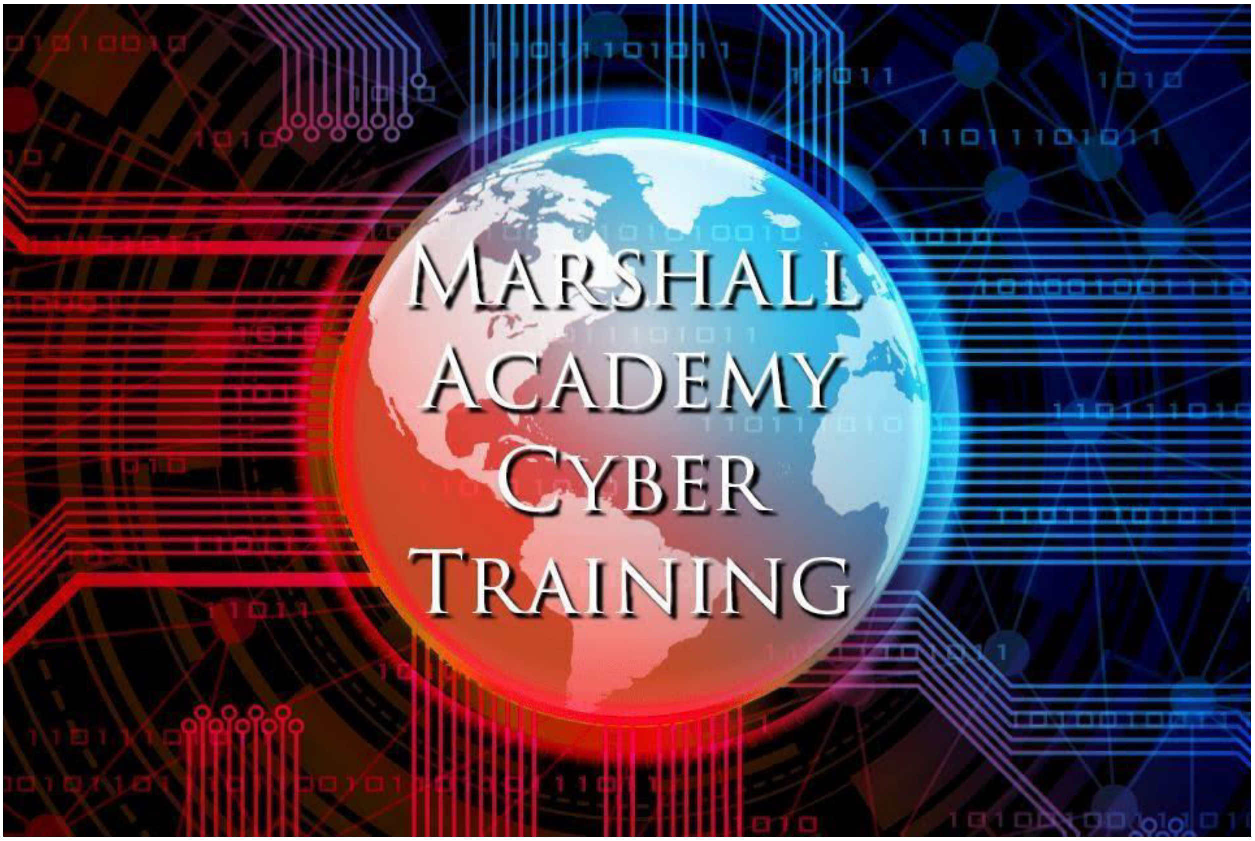
The Ultimate Windows Checklist (2016) (R2) by:

- Ethan Hoadley and Nick Fortin

Based upon ‘THE GLORIOUS REWORKED WINDOWS 7 CHECKLIST 2014’by:

- Charlie Franks
- Michael Bailey
- Paul Benoit
- Quiana Dang



NOTE

This checklist is not comprehensive in that every image is different, and every competition is different. Some vulnerabilities discussed in this document may not be worth points, and some points may not be listed in this document. In the likely case that you encounter something that is not listed in the checklist, use common sense to the best of your ability.

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****IMPORTANT****

Keep screen shots of your score periodically in the event your vm/computer crashes. Those screenshots will also tell you what you did, so you don't have to go through the entire process again and instead can pick up where you left off.

1. Before you boot the VM
    a. Assign the VM half of your total RAM
    b. Have your research machines ready to go
    c. Have at least 1 backup machine with unzipped images- but not opened
    d. Access to the cyber drive on Google
    e. Also, the ability to access google drive in the VM without internet (removable drive)

NOTE once the VM is booted, it is likely that several programs will pop up, DO NOT CLICK on any of these, instead go to task manager and kill the applications.

2. Readme
    a. Located on the desktop, this will be a web link that lists all the necessary information for securing this computer (necessary users, critical services, etc.).
    b. Be sure to read the readme for your image
    c. Follow the readme, if there is a contradiction between the readme and this document, follow the readme.
3. Forensics Questions
    a. 1 to 2 questions about computer forensics
    b. Do these before you do anything else because otherwise you might lose the ability to do the questions later
4. Viewing hidden files
    a. Go to **Windows Explorer/My Computer**
    b. Click **Organize** in the upper left corner
    c. Click **Folder and Search Options**
    d. Go to the **View** tab
    e. Select the **Show hidden files and folders**
    f. Uncheck the **Hide extensions for known**

g. Uncheck the **Hide protected OS files**

h. Uncheck the **Hide empty drives...**

(For Server 2008 – navigate to Control Panel > Folder Options > View > Show Hidden Files & Folders, etc)

5. Net shares

   a. Open the Start menu, and type in cmd

   b. Do not hit enter. Right click, and choose Run as Administrator

   c. Now, if User account control menu pops up, click yes

   d. Type in net share

   e. This lists all the active shares from your computer, we are going to kill these now

   f. Type net share /delete INSERT NAME OF NET SHARE HERE

   g. If the name includes a $, that means the share is hidden. Yes you should still delete it, and you have to include the dollar sign in the name to delete it

   h. Delete every share that is listed

   i. IPC$ will be restarted on boot up, this can't be changed, and won't be counted for points. The other two default shares are C$ and ADMIN$

6. Malwarebytes

   a. First, go to the Google doc's site. In case you don't have it, or are too lazy to look it up, here is the link to the google docs page- https://drive.google.com/#folders/0B7FKJ-QDh83GQUFYeDd6cE9lMW8

   b. Go to the Windows toolkit, then download MalwareBytes Installer.exe

   c. When Malwarebytes gives you the option to update, do it

   d. It may say the installer is out of date, just go along with it. Download and install the newer install version, then Install it.

   e. When it finishes installing, uncheck the Enable Malwarebytes PRO edition or whatever it is, we don't need that.

   f. Select the Full Scan, then click Scan

   g. While the Malwarebytes is running, we have to do other stuff, so come back to step h when Malwarebytes is done scanning. With the new versions of

MalwareBytes, it’ll take a really long time to scan, so don’t watch it. You can do lots of other things (Like eating lunch)!

  h. When the scan finishes, select the Show Results button, and then make sure each box is selected, and click remove selected.

7. CCleaner
   a. Get CCleaner installer from the Malware folder in google docs
   b. Download and install CCleaner with the recommended settings
   c. On the Intelligently Scan for Cookies to keep popup menu, click No
   d. Click Analyze and let CCleaner run
   e. Check all of the boxes it turns up, and click Run Cleaner
   f. Now, go to the Registry Tab, and click Scan for Issues
   g. Let it scan, then click all the boxes, and say Fix Selected Issues
   h. Click Yes, and save the .reg file when it comes up
8. Spybot – Search and Destroy
   a. First, go to the google doc’s site. In case you don’t have it, or are too lazy to look it up, here is the link to the google docs page- https://drive.google.com/#folders/0B7FKJ-QDh83GQUFYeDd6cE9lMW8
   b. Go to the Windows toolkit folder and download spybot-2.4.exe
   c. Move the installer to the VM and run the installation
   d. During installation, choose the ‘I want more control, more feedback and more responsibility’ option.
   e. After the program finished installing, check the ‘Open Start Center’ and ‘Check for new malware signatures’ options and select finish

   I know the program looks sketchy, but it’s not so continue to run it.

   f. Two windows will pop up, on the update window click update until the latest version is installed, once installed, close the update window.
   g. In the start center window, select system scan
   h. Let the scan run in the background like MalwareBytes.
   i. Once scan is finished, remove any unwanted programs
9. Removing unwanted software

a. Go to Control Panel (click Start, then type Control Panel. Click on the Control Panel icon)
b. Now, under the Programs menu, there should be a submenu called Uninstall a program. Click it.
c. Now, uninstall every program in the list EXCEPT MalwareBytes, Microsoft Visual C++, Microsoft .NET or programs that are listed in the readme. If CCleaner or something like that was installed already, uninstall it now
d. If you get an error saying access is denied, or the program is in use go to Processes and Open Ports to end the process, then try to uninstall again
e. Some programs are installed, but hidden with a registry key. You need to open up the registry by clicking Start and typing regedit
f. ****BE CAREFUL IN THE REGESTRY! You can brick your vm if you are not careful! ****
g. Once you are in the registry, go to HKEYLOCALMACHINE/SOFTWARE/Microsoft/Windows/CurrentVersion/Uninstall
h. This contains a complete list of the software that is installed on the system
i. Look for programs that do not correspond with those in the Uninstall List in the Control Panel. Cyberpatriot could use this to hide programs from the uninstall list. Most likely, they will not so Google any programs before you delete them.

10. Updating Programs

a. There is no right way to do this, either run a program and look for an update function. Or download the installer for the latest stable version from the internet.

11. User and Group Configuration

a. Go to **Start**, type *MMC*, hit enter
b. Now, go to **File**, **Add/Remove Snap-ins**, scroll down and choose **Local Users and Groups**
c. Find the users that do not matchup with those in the readme, or default users
    i. Default users are **Administrator**, and **Guest**
d. Make sure, check again

e. Now disable them. **Right click** the desired user, and click **Disable** DO NOT delete any users. If you accidentally delete a user that was supposed to be there, there isn't a way to remake them and as a result your team will be punished with a loss of points.

f. We need to rename the guest account (and the Administrator, see below)

   i. Check to see if you are working on the default administrator account. Click **Start**, then on the top right, your username should be displayed. If you are using the default **Administrator**, do NOT change his name. If you are not, rename the **Administrator** account

g. We also need to disable the **Guest** account. **Right click** that account, and click **Disable**

h. Set a password for the remaining user accounts you did not disable

   i. Make this password 8 characters, with 1 number and 1 special letter !@#$%^ etc.

i. Now, go to the **Groups** page

j. Open the **Administrators** group

k. Double check each entered username with the readme

   i. If something doesn't belong, remove it

12. Firewall

a. Windows 7 has a very good way of sorting rules with advanced filters

b. Click **Start,** then type *MMC* and click it.

c. Click File, then **Add/Remove Snap-ins.**

d. Scroll down, then add in the **Windows Firewall with Advanced Security**

e. On the homepage, go to **Windows Firewall Properties**

f. There will be three tabs- **Domain**, **Private**, and **Public**

g. Each correspond with the type of network you are on. When you connect to a new network, Windows 7 will prompt you to choose- Home, Public, or Work network. This will decide firewall settings for that network.

h. Domain= Work, Private= Home, Public=Public

i. Go through each of the three tabs and make sure the firewall is **on**

j. Make sure **Inbound Connections** are **Blocked** by default, and **Outbound Connections** are **Allowed** for each of the three profiles

k. For each of the three sections, go to **Logging**, then **Customize**

l. Select the Yes for both **Log dropped** & **Logged Successful Packets**

m. Increase the **Log Size Limit** to 6500

n. Make sure you do this for each profile!!

o. Now, in the left pane, double click the **Windows Firewall with Advanced Security**

p. Click on Inbound rules- These rules dictate who can connect to your computer

q. Look for rules involving Telnet, nc, Ncat, netcat

r. Disable and **File and Printer Sharing** rules

s. To disable a rule, **Right Click** the rule and check **Disable**

t. Disable **Remote Assistance** and **Remote Desktop** rules

u. Disable any other **Remote** rules

v. Disable **SNMP or SMTP** rules, *unless the readme says you need them*

w.

13. Clear the DNS cache

a. Open up a command prompt by clicking the Start button and typing cmd

b. Select the cmd.exe icon, and the command prompt window should open up

c. Type ipconfig /flushdns

14. Policies

a. Open up the **MMC**

b. Add in the **Group Policy Object Editor** Snap-in

  i. If the computer doesn't have GPOE, then you either need to update it, or it is home basic, in which case, just skip this step.

c. Expand **Computer Configuration** if it isn't already expanded

d. Expand **Windows Settings**

e. Click on **Security Settings**

f. Click on **Account Policies**

g. A few things to note- **READ THESE BEFORE YOU START**

  i. In the policy list, I'm not going to include Network and Local Service. **IF YOU SEE THESE IN THE LIST, DO NOT REMOVE THEM**

  ii. **DO NOT REMOVE THE CYBERPATRIOT SCORING BOT USER FROM ANYTHING**

  iii. **Even if it says no one, DO NOT REMOVE NETWORK/LOCAL SERVICE FROM ANYTHING**

  iv. Highlighted policies have been points in the past. Pay extra attention to these! Don't skip them! Don't skip anything!

h. Configure the Policies as you see Below

Password Policy	
Enforce Password History	8
Maximum Password Age	14
Minimum Password Age	8

Minimum Password Length	8
Password must meet…	Enabled
Store Passwords using…	Disabled
Account Lockout Policy	
Account Lockout Duration	10
Account Lockout Threshold	7
Reset Account Lockout Counter…	10
Audit Policy (under Local Policies)	
Everything under this category	Success/Failure
User Rights Assignment	
Access credential manager as a…	Admin
Access this computer from the network	No One
Act as part of the OS	No One
Add workstation to domain	No One
Adjust memory quotas for a process	No One
Allow logon locally	Admin
Allow logon through RDS	No One
Backup files/directories	Admin
Bypass traverse checking	No One
Change the system time	No One
Change the time zone	No One
Create a page file	No One
Create a token object	Admin
Create global objects	Admin
Create permanent shared objects	No One
Create symbolic links	Admin
Debug programs	No One
Deny access to this computer…	No One
Deny logon as a batch job	No One
Deny logon as a service	No One
Deny logon locally	No One
Deny logon through RDS	No One
Enable computer and User Accounts…	Admin
Force shutdown from a remote system	No One
Generate security audits	No One
Impersonate a client after authentication	No One
Increase a process working set	No One
Increase scheduling priority	Admin
Load and unload device drivers	Admin
Lock pages in memory	Admin
Logon as a batch job	No One

Logon as a service	No One
Manage auditing and Security log	Admin
Modify an object label	Admin
Modify firmware environment values	Admin
Perform volume maintenance tasks	Admin
Profile single process	Admin
Profile system performance	Admin
Remove computer from docking station	Admin
Replace a process level token	Admin
Restore files and directories	Admin
Shutdown the system	Admin
Synchronize directory service data	Admin
Take Ownership of files…	Admin
Security Options	
Admin Account	If you are logged on as the default Admin, enabled. If not, Disabled
Guest Account	Disabled
Limit Local use of Blank Passwords	Enabled
Rename Admin account	If you are logged on as the default Admin, do not rename it If not, rename it
Rename Guest account	Rename it
Audit the access of…	Enabled
Audit the use of…	Enabled
Force audit policy…	Enabled
Shutdown the machine if unable to log security audits	Disabled
Machine access restrictions	Not Defined
Machine launch restrictions	Not Defined
Allow undock without having to logon	Disabled
Allowed to format and eject removable media	Admin only
Prevent users from installing printer drivers	Enabled
Prevent CD-ROM access	Enabled
Restrict floppy access	Enabled
Allow server operators to schedule tasks	Disabled
LDAP Server signing requirements	Require it
Refuse machine account password changes	Enabled
Digitally encrypt or sign secure channel data	Enabled for all of them
Disable machine account password changes	Enabled
Maximum machine password age	13 days
Require strong (Windows 2000 or later) session key	Enabled
Display user information when the session…	Do not Display user information
Do not display last user name	Enabled
Do not require CTRL + ALT + DEL	Disabled

Message Text for users attempting to logon	leave blank
Message Title for users attempting to logon	leave blank
Number of previous logons to cache	0
Prompt user to change password before expiration	8 days
Require domain controller authentication…	Disabled
Require smart card	Disabled
Smart card removal behavior	No action
Digitally sign communications	Disabled
Send unencrypted passwords to 3rd party SMB servers	Disabled
Amount of Idle time before suspending session	45 minutes
Digitally sign communications	Disabled
Disconnect clients when logon hour expires	Disabled
Server SPN target name	Leave it alone
Allow Anonymous SID/Name Translation	Disabled
Do not allow anonymous enumeration of SAM accounts	Enabled
Do not allow anonymous enumeration of SAM accounts and shares	Enabled
Do not allow storage of passwords…	Enabled
Let everyone permissions apply to anonymous users	Disabled
Name pipes that can be accessed anonymously	Disabled
Remotely accessible ANYTHING	Remove all text
Restrict anonymous access	Enabled
Shares that can be accessed anonymously	Delete everything
Sharing and security	Classic
Allow local system to use…	Disabled
Allow local system to null session fallback	Leave alone

As said before, there will definitely be policies that aren't in the checklist. Also, if a policy that is listed here isn't on your computer, don't worry about it. Use your best judgement in all cases.

15. Creating a system restore

a. Right click **My Computer** and go to **Properties**
b. Go to the **System Protection** tab
c. Click on the **Configure** button
d. Click **Turn on system protection**
e. Set the Max usage to **2 GB**
f. Click **OK**
g. Now, click on the **Create** button
h. Type a description to Create the restore point
i. Click **Create**

j. Click **OK**

16. Services

a. Open up services by clicking **Start**, then typing *MMC*. Click the MMC icon
b. Now, click **File**, then **Add/Remove Snap-in**.
c. Add in the **Services Snap-in,** then click finish and ok
d. Sort by name, and cross reference with the default services. If you find a service not on this list and are unsure about it, just google it, or follow the steps below
   i. ***DO NOT DELETE ANYTHING TO DO WITH CP, CYBERPATRIOT, SCORING BOT, SAIC etc. Do not even touch them.***
   ii. For other services, **Right Click**, go to **Properties**, and check the **Path to Executable**. It should be on the default page.
   iii. Find the executable file, by putting the location into the **Start** menu, but make sure you don't accidently run it!
   iv. Check the date it was installed. If it was in the Summer of 2009, the executable should be ok. If you are still unsure, just google the name of the executable. You will know it is an executable file, because it will end with .exe
e. Default services that are not necessary. IF THE README SAYS OTHERWISE GO BY THE README
f. Here are the Default Services, and their recommended settings for a Windows 7 box-
g. If you come across a service that has a blank description, be suspicious and investigate the service to find if it is malicious in any way. Microsoft is normally very meticulous in detail, so if anything is missing it is likely that the service is external and could be a security vulnerability.

Service Name	**Required Configuration (CHANGE TO THIS ONE!!)**
ActiveX Installer	Disabled
Adaptive Brightness	Disabled
Application Experience	Manual
Application Identity	Manual
Application Information	Manual
Application Layer Gateway Service	Disabled
Background Intelligent Transfer Service	Manual
Base Filtering Engine	Automatic
BitLocker Drive Encryption Service	Manual
Bitlock Level Backup Engine Service	Disabled
Bluetooth Support Service	Disabled
Certificate Propagation	Disabled
CNG Key Isolation	Manual
COM+ Event System	Manual
COM+ System Application	Manual
Computer Browser	Manual

Credential Manager	Manual
Cryptographic Services	Automatic
DCOM Server Process Launcher	Automatic
Desktop Window Manager Session Manager	Automatic
DHCP Client	Automatic
Diagnostic Policy Service	Automatic
Diagnostic Service Host	Manual
Diagnostic System Host	Manual
Disk Defragmenter	Disabled
Distributed Link Tracking Client	Manual
Distributed Transaction Coordinator	Manual
DNS Client	Automatic
Encrypting File System	Manual
Extensible Authentication Protocol	Manual
Fax	Disabled
Function Discovery Provider Host	Manual
Function Discovery Resource Publication	Manual
Group Policy Client	Automatic
Health Key and Certificate Management	Manual
HomeGroup Listener	Disabled
HomeGroup Listener	Disabled
Human Interface Device Access	Disabled
IKE and AuthIP IPsec Keying modules	Manual
Interactive Services Detection	Disabled
Internet Connection Sharing	Disabled
IP Helper	Manual
IPsec Policy Agent	Manual
KtmRm for Distributed Transaction Coordinator	Disabled
Link-Layer Topology Discovery Mapper	Manual
Microsoft .NET Framework NGEN v2.0	Manual
Microsoft iSCSI Initiator Service	Disabled
Microsoft Software Shadow Copy Provider	Disabled
Multimedia Class Scheduler	Disabled
Net.Tcp Port Sharing Service	Disabled
Netlogon	Disabled
Network Access Protection Agent	Manual
Network Connections	Manual
Network List Service	Manual
Network Location Awareness	Manual
Network Store Interface Service	Automatic
Parental Controls	Disabled
Peer Name resolution Protocol	Disabled
Peer Networking Grouping	Disabled
Peer Networking Identity Manager	Disabled
Performance Logs & Alerts	Manual
Plug and Play	Disabled

PnP-X IP Bus Enumerator	Disabled
PNRP Machine Name Publication Service	Disabled
Portable Device Enumerator Service	Disabled
Power	Automatic
Print Spooler	Disabled
Problem Reports and Solutions Control Panel Support	Manual
Program Compatibility Assistant Service	Manual
Protected Storage	Manual
Quality Windows Audio Video Experience	Disabled
Remote Access Auto Connection Manager	Disabled
Remote Access Connection Manager	Disabled
Remote Desktop Configuration	Disabled
Remote Desktop Services	Disabled
Remote Procedure Call (RPC)	Automatic
Remote Procedure Call (RPC) Locator	Manual
Remote Registry	
RIP Routing	^^ Dis-Disabled
Routing and Remote Access	Disabled
RPC Endpoint Mapper	Automatic
Secondary Logon	Disabled
Secure Socket Tunneling Protocol Service	Disabled
Security Accounts Manager	Automatic
Security Center	Automatic
Server	Disabled
Shell Hardware Detection	Disabled
Smart Card	Disabled
Smart Card Removal Policy	Disabled
SNMP Trap	Disabled
Software Protection	Automatic
SPP Notification Service	Manual
SSDP Discovery	Disabled
Superfetch	Manual
System Event Notification Service	Automatic
Tablet PC Input Service	Disabled
Task Scheduler	Disabled
TCP/IP NetBIOS Helper	Disabled
Telephony	Disabled
Telnet	Disabled
Themes	Manual
Thread Ordering Server	Manual
TP AutoConnect Service	Disabled
TP VC Gateway Service	Disabled
TPM Base Services	Disabled
UPnP Device Host	Disabled
User Profile Service	Automatic
Virtual Disk	Manual

VMware Snapshot Provider	Manual
VMware Tools	Automatic
Volume Shadow Copy	Disabled
WebClient	Disabled
Windows Audio	Automatic
Windows Audio Endpoint Builder	Disabled
Windows Backup	Manual
Windows Biometric Service	Disabled
Windows CardSpace	Disabled
Windows Color System	Disabled
Windows Connect Now	Disabled
Windows Defender	Automatic
Windows Driver Foundation	Manual
Windows Error Reporting Service	Manual
Windows Event Collector	Disabled
Windows Event Log	Automatic
Windows Firewall	Automatic
Windows Font Cache	Disabled
Windows Image Acquisition	Disabled
Windows Installer	Manual
Windows Management Instrumentation	Automatic
Windows Media Player Network Sharing Service	Disabled
Windows Modules Installer	Manual
Windows Presentation Foundation	Disabled
Windows Remote Management	Disabled
Windows Search	Automatic
Widows Time	Manual
Windows Update	Automatic
WinHTTP Web Proxy AutoDiscovery Service	Disabled
Wired Autoconfig	Manual
WLAN AutoConfig	Manual
WMI Performance Adapter	Disabled
Workstation	Automatic
WWAN AutoConfig	Manual

Here are the services that are usually points if they are stopped and disabled:

1) Telnet
2) Telephony
3) RIP Listener
4) SNMP Trap

To disable a service, right click it, then click stop. Then click the drop down menu next to Startup Type. Then click disabled.

The following are common, but not default Windows Services. Disable all of the following, **unless the readme says otherwise!**

i. SMTP
ii. Bonjour
iii. Remote Access Auto Connection manager
iv. Remote Access Connection manager
v. Remote Desktop Config
vi. Remote Desktop services
vii. Remote Registry
viii. RIP routing
ix. World Wide Web Publishing service- This means you have IIS server running
x. NetMeeting Remote Desktop Sharing
xi. Simple File Sharing
xii. SSDP Discovery Service
xiii. Windows Messenger Service

17. Remote Desktop

a. Right click My Computer and go to properties
b. Go to the Remote tab
c. Go to the Advanced button
d. Uncheck Allow this computer to be controlled…
e. Now, uncheck Allow remote assistance connections…
f. Apply, and ok
g. Depending on the type of Windows 7 you have, there will be different check marks.

18. Automatic Updating

a. Click Start and type Control Panel. Open it up
b. Then Go to the System and Security tab
c. Go to the Windows Update menu
d. On the lefthand side, click Change Settings
e. Choose Install Updates Automatically
f. If it is time based, make sure you don't have it set so it will interrupt your image

19. User Account Control Configuration

a. Click Start and type Control Panel.
b. Go to the System and Security option
c. Under the Action Center, select Change User Account Control settings.

d. Now, move the bar all the way up. This ensures that no programs can get elevated rights without your permission. Only do this at the end of a competition, or do it and if it is not a point set it back to default. Setting it at high slows everything else down.

e. Make sure you click OK and don't just exit out of the screen, otherwise it will not save it.

20. Processes and Open Ports

a. Open ports are one of the most important things to check- because hard to find programs will almost always open ports.

b. Open up a command prompt, and type netstat –ano

c. This will list the port number, the IP, and the PID

d. Now, we need Process Explorer

e. Go to the windows toolkit folder on the google drive, and download Procexp.exe.

f. It will ask you to agree, just click Yes

g. Click on the Options menu, then select Verify Image Signatures. This will ensure that an executable actually is made by who they say. They can fake the creator/signature.

h. Now, go to the View tab, and click on Select Columns. Make sure the following are selected:

    i. PID

    ii. Company Name

    iii. Verified Signature

    iv. Image Path

i. Now, we need to figure out what Processes open which Ports. Cross reference the Open Ports' PID with the PID's from Process Explorer. These are normal Default Windows Processes-

    i. System Idle Process

    ii. System

    iii. Smss.exe

    iv. Crss.exe

v. Services.exe

vi. Winnit.exe

vii. SearchIndexer.exe

viii. Lsass.exe

ix. Winlogon.exe

x. Dwm.exe

xi. Svchost.exe (YOU NEED TO CHECK ALL OF THESE BECAUSE A LOT OF MALWARE LIKES TO HIDE UNDER THIS PROCESS NAME!)

xii. Explorer.exe

j. Make sure you have cross referenced each the PID's from the Command Prompt and Process Explorer

k. If you are unsure if a process is malicious or not, look at the company name, and the Verified Signature. If it is a SVChost with Microsoft Company name and it is verified, then it is OK. However, we don't want all products from Microsoft Corporation, such as a Telnet Server, or SMTP server running (Unless the readme says so.) If you are unsure, google it.

l. To end a malicious or unneeded process, the first thing you need to do is write down the Path. This will be important later on

m. Now, we need to right click the process, and select Kill Process. This will stop the Process from running.

n. However, our job is not done yet, we need to delete the .exe file that was running the process. Take note that you do NOT need to do this for verified Microsoft Corporation products, like Telnet or SMTP. However, make sure you have disabled the service

o. Take the file path (I really, really hope you wrote it down…) and click Start and copy it in to the search bar. Be careful not to accidently run the .exe file again.

p. We need to delete the file, so go into the folder containing the file, and hold down the SHIFT + DELETE keys. This will permanently delete the file, instead of just sending it to the recycle bin.

q. Triple check to make sure you want to delete it

r. Click Yes

s. Rinse and repeat until you have checked all of the processes

21. Programs in Startup

a. Go to Run (Windows Key + R)

b. Type msconfig

c. Go to the Startup tab

d. Only these should be listed:

   i. Any type of VMware software

   ii. Malwarebytes if you installed it yourself

   iii. Anything Cyberpatriot or Scoring Bot related

   iv. We don't need anything else.

e. Write down the name, and the location of the file. Then, use google to find out if it is malicious. If it's something like Netcat, bfk, nc, ncat, telnet, an alarm should go off in your head. You need to uncheck these immediately

f. Disable the startup things you don't need- See list above

g. This makes it so that the program doesn't restart when we turn the computer off and on again

22. Adding/Removing Windows components

a. Open up a Control Panel

b. Go to the Programs menu, then click on Programs and Features

c. On the left pane, select Turn Windows Features On or Off

d. Turn off these features, unless the readme says otherwise-

   i. Games

   ii. Internet Information Services

   iii. Internet Information Services Hostable Web Core

   iv. Media Features

   v. Print and Document Services

   vi. SNMP

   vii. Telnet Client

   viii. Telnet Server

ix. TFTP Client/Server
x. Windows PowerShell
xi. XPS Services
xii. XPS Viewer

e. Basically, is this is a host machine- it shouldn't be running any servers, or have any reason for any of these

23. Disabling Dump File Creation

a. Open up the Control Panel
b. Go to System
c. Click Advanced
d. Now click Startup/Recovery
e. Click Settings
f. Change value for Write Debugging Information to 'None'

24. Saved Windows Credentials

a. Go to the Control Panel, then click the User Accounts and Family Safety option
b. Click Manage your credentials
c. Delete all the credentials, there should be no entry in any box
d. Double check to make sure you have removed both Windows AND Web credentials

25. Internet Options – Internet Explorer

a. Open Internet Explorer, if necessary update IE to most stable version before continuing
b. Select the tools menu, then select Internet Options
c. Make sure the homepage is set to google.com
d. Go to Browsing History Settings
e. Select the Never option on the first tab
f. Check the Delete browsing history on exit tab
g. Go to the Security tab, and ramp up the security level for each zone to be high
h. Go to the Privacy tab, and ramp up the security level to Block all Cookies
i. Go to the Content tab, and Clear the SSL Slate

j. Go to Autocomplete Settings, and remove all of the checkboxes

k. Delete the Autocomplete history, and go to the managed passwords to make sure nothing is in there

l. Select apply and then OK

note If you have multiple internet search programs, do this for all of them (others won’t be exact steps, just try your best).

26. Power Settings

a. Go to the Control Panel and go to System and Security

b. Go to the Power Options menu

c. Select the Require a Password on Wakeup

d. Select the Require a password

e. Save changes

f. Go to Change when the computer sleeps

g. Click on Change advanced power settings

h. For each power plan (if applicable), expand the Display tree → Turn off display after → Set to 1 minute

i. Save changes

27. Data Execution Prevention

a. Go to the Control Panel, and go to the Top right corner. Change View by: to Small Icons

b. Then, look for the Performance Icon

c. Now, go to Adjust Visual Effects option

d. Navigate to the Data Execution Prevention tab

e. Select Turn on DEP for all programs and services except those I select (don’t put any in there)

f. Apply and ok

28. Malicious Drivers

a. Download the tool Uniblue DriverScanner

b. Install the tool

c. Scan the system- this will let you know if any drivers are out of date, and if there are any malicious drivers on the system. Update them as recommended by the program

29. GMER scan

a. GMER scans for rootkits on the system which is great. Get it from the google docs, in the Rootkits folder
b. Run the GMER scan, and remove any programs that it turns up

30. Microsoft Baseline Security Analyzer scan

a. Get MBSA from the google docs, under the Malware folder
b. Install MBSA using recommended settings
c. Startup MBSA, and click Scan a Computer
d. Find out what MBSA says your image is not good with, and fix it

DO NOT TURN OFF YOUR COMPUTER WHEN IT IS INSTALLING UPDATES.
MAKE SURE YOU ARE PLUGGED IN.

31. Service Packs

a. Go here -> https://support.microsoft.com/en-us/help/14162/windows-service-pack-and-update-center
b. Download SP to image and run

32. Updating via Control Panel

a. Open up the Control Panel, and click System and Security
b. You may have the other version, just click Windows Update
c. Under Windows Update, click Check for Updates.
d. Install all of the required updates
e. Before you restart the image, make sure that you have passwords to re-login to your current admin account. Also, you may benefit from making a system restore at this time.

If you've gotten to this point and you are missing just a few points…

Make sure this is the absolute last thing you have to do. This will totally lock down your box, including your ability to use it, so make sure it is totally done with everything else

Administrative Templates-

Control Panel

Regional/Language Options

Restrict the UI language Windows uses for all logged on users: Enabled- English

Force selected system UI language to overwrite the User UI language: Disabled

User Accounts

Apply the default user logon picture to all users: Enabled

Network

BITS

Do not allow the BITS client to use Windows Branch Cache: Enabled

Do not allow the computer to act as a BITS peer-caching client: Enabled

Do not allow the computer to act as a BITS peer-caching server: Enabled

Allow BITS peer-caching: Disabled

Time-out for inactive BITS jobs: 1 Day

Limit the maximum network bandwidth for BITS background transfers: Enabled, 0

Limit the maximum network bandwidth: Enabled, 1

Set up a maintenance schedule to limit the maximum bandwidth...: Disabled

Set up a work schedule to limit the maximum network bandwidth...: Disabled

Limit the BITS Peer-cache size: Enabled, 1

Limit the age of files in the BITS peer-cache: Enabled, 1

Limit the maximum BITS job download time: Enabled, 1

Limit the maximum number of files allowed in a BITS job: Enabled, 1

Limit the maximum number of BITS jobs for this computer: Enabled, 1

Limit the maximum number of BITS jobs for each user: Enabled, 1

Limit the Maximum number of ranges that can be added to the file in a BITS job: Enabled, 1

Branch Cache

Turn on Branch Cache: Disabled

Set Branch Cache distributed Cache mode: Disabled

Set Branch Cache HOsted Cache Mode: Disabled

Configure Branch Cache for Network Files: Disabled

Set percentage of Disk space used for client computer cache: Enabled, 1

DNS Client

Allow DNS Suffix Appending to Unqualified Multi-Label...: Disabled

Connection-Specific DNS Suffix: Not configured

Primary DNS Suffix Devolution Level: Not configured

DNS Servers: Not configured

Primary DNS Suffix: Not Configured

Register DNS records with connection-specific DNS suffix: Not Configured

Register PTR Records: Not configured

Dynamic Update: Enabled

Replace Addresses in Conflicts: Not Configured

Registration Refresh Interval: Enabled, 1000

TTL Set in the A and PTR record: Enabled, 300

DNS Suffix Search List: Not configured

Update Security Level Update Top Level Domain Zones: Enabled

Primary DNS Suffix Devolution: Enabled

Turn off Multicast Name Resolution: Enabled

Lanman Server

Hash Publication for BranchCache: Disabled

Link-Layer Topology Discovery

Turn on Mapper I/O driver: Not configured

Turn on Responder driver: Not configured

Microsoft Peer-to-Peer Network

- Disable password strength validation for Peer Grouping: Disabled
- Turn off Microsoft Peer-toPeer networking services: Enabled
- Global Clouds
  - Turn off Multicast Bootstrap: Enabled
  - Turn off PNRP cloud creation: Enabled
  - Set PNRP cloud to resolve only: Enabled
  - Set the Seed Server: Not configured
- Link-Local Clouds
  - Turn off Multicast Bootstrap: Enabled
  - Turn off PNRP cloud creation: Enabled
  - Set PNRP cloud to resolve only: Enabled
  - Set the Seed Server: Not configured
- Site-Local Clouds
  - Turn off Multicast Bootstrap: Enabled
  - Turn off PNRP cloud creation: Enabled
  - Set PNRP cloud to resolve only: Enabled
  - Set the Seed Server: Not configured

Network Connections

- Windows
  - Domain Profile
    - Allow local program exceptions: Not configured
    - Define inbound program exceptions: Not configured
    - Protect all network Connections: Enabled
    - Do not allow exceptions: Not configured
    - Allow inbound file and printer sharing...: Disabled
    - Allow ICMP exceptions: Not configured
    - Allow logging: Enabled
    - Prohibit Notifications: Disabled
    - Allow local port exceptions: Not configured

Define inbound port exceptions: Not configured

Allow inbound remote administration...: Disabled

Prohibit unicast response to multicast...: Not configured

Allow inbound UPnP framework...: Disabled

Standard Profile

Allow local program exceptions: Not configured

Define inbound program exceptions: Not configured

Protect all network Connections: Enabled

Do not allow exceptions: Not configured

Allow inbound file and printer sharing...: Disabled

Allow ICMP exceptions: Not configured

Allow logging: Enabled

Prohibit Notifications: Disabled

Allow local port exceptions: Not configured

Define inbound port exceptions: Not configured

Allow inbound remote administration...: Disabled

Prohibit unicast response to multicast...: Not configured

Allow inbound UPnP framework...: Disabled

Windows Firewall: Allow authenticated IPsec bypass: Disabled

Prohibit installation and configuration of network bridge on..: Disabled

Do not show the local access only icon: Not Configured

Route all traffic through the internal network: Disabled

Prohibit use of Internet Connection Firewall on your...: Disabled

Prohibit use of ICS on your DNS domain network: Enabled

Require domain users to elevate when setting a network location: Enabled

Network Connectivity Status Indicator

Corporate DNS Probe Host Address: Not configured

Corporate DNS Probe Host Name: Not configured

Corporate Site Prefix List: Not configured

Corporate Website Probe URL: Not configured

Domain Location Determination URL: Not configured

Offline Files

Sub-folders always available offline: Disabled

Administratively assigned offline files: Disabled

Configure Background Sync: Not configured

Limit Disk Space used by Offline Files: Enabled, 1, 1

Non-Default Server Disconnect Actions: Not configured

Default Cache Size: Not configured

Allow or Disallow use of Offline Files feature: Disabled

Encrypt the Offline Files cache: Enabled

Event Logging level: Enabled, 3

Exclude Files from being cached: Not configured

Files not cached: Not configured

Action on server disconnect: Not configured

Prevent use of Offline Files folder: Enabled

Remove Make Available Offline: Enabled

Prohibit Make Available Offline for these files and folders: Enabled

Turn off reminder balloons: Enabled

Enable Transparent Caching: Disabled

At logoff, delete local copy of user's offline files: Enabled

Turn on economical application of administratively...: Disabled

Reminder balloon frequency: Disabled

Initial reminder balloon lifetime: Disabled

Reminder balloon lifetime: Disabled

Configure slow-link mode: Not configured

Configure slow link speed: Not configured

Synchronize all offline files before logging off: Disabled

Synchronize all offline files when logging on: Disabled

Synchronize offline files before suspend: Disabled

QoS Packet Scheduler

- DSCP value of conforming packets
  - Best effort service type: Not configured
  - Controlled load service type: Not configured
  - Guaranteed Service type: Not configured
  - Network control service type: Not configured
  - Qualitative service type: Not configured
- DSCP value of non-conforming packets
  - Best effort service type: Not configured
  - Controlled load service type: Not configured
  - Guaranteed Service type: Not configured
  - Network control service type: Not configured
  - Qualitative service type: Not configured
- Layer-2 priority value
  - Best effort service type: Not configured
  - Controlled load service type: Not configured
  - Guaranteed Service type: Not configured
  - Network control service type: Not configured
  - Non-conforming packets: Not configured
  - Qualitative service type: Not configured
- Limit outstanding packets: Not configured
- Limit reservable Bandwidth: Not configured
- Set timer resolution: Not configured

SNMP

- Communities: Disabled
- Permitted Mangers: Disabled
- Traps for public community: Disabled

SSL Configuration Settings

- SSL Cipher Suite Order: Disabled

TCPIP Settings

IPv6 Transition Technologies

6to4 Relay Name: Not configured

6to4 Relay name Resolution interval: Not configured

6to4 state: Not configured

IP-HTTPS state: Not Configured

ISATAP Router Name: Not configured

ISATAP State: Not configured

Teredo Client Port: Not configured

Teredo default qualified: No configured

Teredo Refresh Rate: Not configured

Teredo Server Name: Not configured

Teredo State: Not configured

Parameters

Windows Scaling Heuristics State: Not configured

Windows Connect Now

Configuration of wireless setting using Windows...: Not configured

Prohibit Access of the Windows connect now wizards: Enabled

Printers

Add Printer Wizard- Network Scan page (Managed network): Not configured

Add Printer Wizard- Network Scan Page (Unmanaged Network): Not configured

Allow Print Spooler to accept client connections: Disabled

Allow printers to be published: Disabled

Allow pruning of published printers: Disabled

Always render print jobs on the server: Disabled

Automatically publish new printers in the AD: Disabled

Check published state: Not configured

Computer Location: Enabled

Custom support URL in the Printers folder's left pane: Disabled

Directory pruning interval: Not configured

Directory pruning priority: Not configured

Directory pruning retry: Not configured

Disallow installation of printers using kernel-mode drivers: Enabled

Execute print drivers in isolated processes: Disabled

Extend Point and Print connection to Windows Update: Enable

Log directory pruning retry events: Enabled

Only use package point and print: Enabled

Override print driver execution compatibility settings...: Enabled

Package Point and print- approved servers: Not configured

Point and Print restrictions: Not configured

Pre-populate printer search location text: Disabled

Printer browsing: Disabled

Prune printers that are not automatically republished: Disabled

Web-based printing: Disabled

System

Credentials Delegation

Allow delegating default credentials: Disabled

Allow delegating default credentials with NTLM-only...: Disabled

Allow delegating fresh credentials: Disabled

Allow delegating fresh credentials with NTLM-only server...: Disabled

Allow delegating saved credentials: Disabled

Allow delegating saved credentials with NTLM-only: Disabled

Deny delegating default credentials: Enabled

Deny delegating fresh credentials: Enabled

Deny delegating saved credentials: Enabled

Device Installation

Device Installation Restrictions

Allow Administrators to override Device Installation...: Enabled

Allow installation of devices that match any of these...: Disabled

Allow installation of devices using drivers that match...: Disabled

Display a custom message title when device installation is...: Disabled

Display a custom message when installation is prevented...: Disabled

Prevent installation of devices not described by other...:Enabled

Prevent installation of devices that match any of these...: Disabled

Prevent installation of devices using drivers that match...: Disabled

Prevent installation of removable devices: Enabled

Time to force reboot when required...: Disabled

Allow remote access to the Plug and Play interface: Disabled

Configure device installation time-out: Enabled, 300

Do not send a Windows error report when a generic...: Enabled

Prevent creation of a system restore point during...: Enabled

Prevent device metadata retrieval from the Internet: Enabled

Prevent Windows from sending an error report when...: Enabled

Prioritize all digitally signed drivers equally during...: Enabled

Specify search order for device driver source locations: Disabled

Turn off "found new hardware" balloons during device...: Enabled

Device Redirection Restrictions

Prevent redirection of devices that match any of these...: Not configured

Prevent redirection of USB devices: Enabled

Disk NV Cache

Turn off Boot and Resume Optimizations: Enabled

Turn off Cache Power Mode: Enabled

Turn off Non-volatile Cache Feature: Enabled

Turn off solid state mode: Enabled

Disk Quotas

```
        Apply policy to removable media: Enabled
        Default quota limit and warning level: Not configured
        Enable disk quotas: Enabled
        Enforce disk quota limit: Not configured
        Log event when quota limit exceeded: Enabled
        Log event when quota warning level exceeded: Enabled

Distributed COM
        Application Compatibility
                Allow local activation security check exemptions: Disabled
                Define Activation Security Check exemptions: Disabled

Driver Installation
        Allow non-administrators to install drivers for these...: Disabled
        Turn off Windows Update device driver search prompt: Disabled

Enhanced Storage Access
        Allow Enhanced Storage certificate provisioning: Enabled
        Allow only USB root hub connected Enhanced Storage...: Disabled
        Configure list of Enhanced Storage devices usable on...: Disabled
        Configure list of IEEE 1667 silos usable on your computer: Not configured
        Do not allow non-Enhanced storage removable devices: Enabled
        Do not allow password authentication of Enhanced storage...: Disabled
        Lock enhanced storage when the computer is locked: Enabled

File system
        NTFS
                Do not allow compression on all NTFS volumes: Enabled
                Do not allow encryption on all NTFS volumes: Disabled
                Enable NTFS pagefile encryption: Enabled
                Short name creation options: Not configured
```

Disable delete notifications on all volumes: Enabled

Selectively allow the evaluation of a symbol link: Disabled

Folder Redirection

Use localized sub-folder names when redirection...: Disabled

Group Policy

Allow Cross-Forest User Policy and Roaming User Profiles: Disabled

Always use local ADM files for Group Policy Object Editor: Disabled

Disallow interactive users from generating RSOP...: Enabled

Disk Quota policy processing: Not configured

EFS recovery policy processing: Not configured

Folder Redirection policy processing: Not configured

Group Policy Refresh interval for computers: Enabled, 180, 20

Group Policy refresh interval for domain controllers: Enabled, 180, 20

Group policy slow link detection: Disabled

Internet Explorer Maintenance policy processing: Not configured

IP Security policy processing: Not configured

Registry policy processing: Not configured

Remove users ability to invoke machine policy refresh: Enabled

Scripts policy processing: Not configured

Security policy processing: Not configured

Software Installation policy processing: Not configured

Startup policy processing wait time: Not configured

Turn off background refresh of Group Policy: Disabled

Turn off Local Group Policy objects processing: Not configured

Turn off RSOP logging: Disabled

User Group Policy loopback processing mode: Not configured

Wired Policy processing: Not configured

Wireless policy processing: Not configured

```
Internet Communication Management
    Internet Connection Settings
        Turn off access to all windows update features: Disabled
        Turn off Automatic Root Certificates Update: Disabled
        Turn off downloading of print drivers over HTTP: Enabled
        Turn off Event Viewer "Events.asp" links: Enabled
        Turn off handwriting personalization data sharing: Enabled
        Turn off handwriting recognition error reporting: Enabled
        Turn off Help and Support Center "Did you know?" content: Disabled
        Turn off Help and Support Center Microsoft...: Disabled
        Turn off Internet Connection Wizard if URL connection...:  Enabled
        Turn off Internet download for Web publishing and online...: Enabled
        Turn off Internet File Association Service: Enabled
        Turn off printing over HTTP: Enabled
        Turn off Registration if URL connection is referring to ...: Enabled
        Turn off Search companion content file updates: Enabled
        Turn off "Order prints" picture task: Enabled
        Turn off the "Publish to web" task for files and folders: Enabled
        Turn off the Windows messenger customer experience: Enabled
        Turn off Windows Error Reporting: Enabled
        Turn off Windows Network Connectivity Status indicator..: Not configured
        Turn off Windows update device driver searching: Disabled
    Restrict Internet communication: Disabled

iSCSI
    General iSCSI
        Do not allow additional session logins: Enabled
        Do not allow changes to initiator iqn name: Enabled
    iSCSI Security
        Do not allow changes to initiator CHAP secret: Enabled
```

Do not allow connections without IPsec: Enabled

Do not allow sessions without mutual CHAP: Enabled

Do not allow sessions without one way CHAP: Enabled

iSCSI Target Discovery

Do not allow adding new targets via manual configuration: Enabled

Do not allow manual configuration of discovered targets: Enabled

Do not allow manual configuration of iSNS servers: Enabled

Do not allow manual configuration of target portals: Enabled

Kerberos

Define host name-to-Kerberos realm mappings: Not configured

Define interoperable Kerberos V5 realm settings: Not configured

Require strict KDC validation: Enabled

Require strict target SPN match on Remote Procedure Calls: Enabled

Use forest search order: Enabled

Locale Services

Disallow changing of geographic location: Enabled

Disallow selection of Custom Locales: Enabled

Disallow user override of locale settings: Enabled

Restrict system locales: Enabled, en-US

Restrict user locales: Enabled en-US

Logon

Always use classic logon: Enabled

Always use custom logon background: Disabled

Always wait for the network at computer start-up and logon: Not configured

Assign a default domain for logon: Disabled

Do not process the legacy run list: Enabled

Do not process the run once list: Enabled

Don't display the Getting Started welcome screen at logon: Enabled

Exclude credential providers: Not configured

Hide entry points for Fast User switching: Enabled

Run these programs at user logon: Disabled

Turn off Windows Start-up Sound: Enabled

Net Logon

DC Locator DNS Records

Allow cryptography algorithms compatible with Windows...:

Contact PDC on logon failure:

Expected dial-up delay on logon

Final DC discovery retry settings for background callers:

Initial DC discovery retry settings for background callers:

Log file debug output level:

Maximum DC discovery retry interval settings for...:

Maximum Log file size:

Negative DC discovery cache setting:

Netlogon share compatibility:

Positive Periodic DC Cache Refresh for background:

Positive Periodic DC Cache Refresh for non-background:

Scavenge Interval:

Site Name:

Sysvol Share compatibility:

Performance Control Panel

Turn off access to the OEM and Microsoft branding section:

Turn off access to the performance center core section:

Turn off access to the solutions to performance problems:

Power Management

Button Settings

Select the Lid Switch Action on battery: Not Configured

Select the Lid Swtich Action Plugged in: Not Configured

Select the Power button Action on battery: Not Configured

Select the Power button action Plugged in: Not Configured

Select the sleep button action on battery: Not Configured

Select the sleep button action Plugged in: Not Configured

Select the start menu power button action on battery: Not Configured

Select the start menu power button action Plugged in: Not Configured

Hard Disk Settings

Turn off the hard disk on battery: Enabled, 150

Turn off the hard disk Plugged in: Enabled, 150

Notification Settings

Critical Battery Notification Action: Not Configured

Critical Battery Notification Level: Not Configured

Low Battery Notification Action: Not Configured

Low Battery Notification Level: Not Configured

Reserve Battery Notification Level: Not Configured

Turn off Low Battery User notification: Not Configured

Sleep Settings

Allow Applications to Prevent Automatic Sleep on battery: Disabled

Allow Applications to Prevent Automatic Sleep Plugged in: Disabled

Allow Automatic Sleep with Open Network Files on battery: Not Configured

Allow Automatic Sleep with Open Network Files Plugged in: Not Configured

Allow standby States when sleeping on battery: Not Configured

Allow standby states when sleeping Plugged in: Not Configured

Require a Password when a computer wakes on battery: Enabled

Require a Password when a computer wakes Plugged in: Enabled

Specify the System Hibernate Timeout on battery: Enabled, 600

Specify the System Hibernate Timeout Plugged in: Enabled, 600

Specify the System Sleep Timeout on battery: Enabled, 600

Specify the System Sleep Timeout Plugged in: Enabled, 600

Specify the Unattended Sleep Timeout on battery: Enabled, 450

Specify the Unattended Sleep Timeout Plugged in: Enabled, 450

Turn off Hybrid Sleep on battery: Not Configured

Turn off Hybrid Sleep Plugged in: Not Configured

Turn on the ability for Applications to prevent sleep...: Disabled

Turn on the ability for applications to prevent sleep...: Disabled

Video and Display Settings

Reduce Display Brightness on battery: Enabled, 180

Reduce Display Brightness Plugged in: Enabled, 180

Specify the Display Dim Brightness on battery: Enabled, 180

Specify the Display Dim Brightness Plugged in: Enabled, 180

Turn off Adaptive Display Timeout on battery: Enabled, 240

Turn off Adaptive Display Timeout Plugged in: Enabled, 240

Turn off the display on battery: Enabled, 300

Turn off the display Plugged in: Enabled, 300

Turn on Desktop Background Slideshow on battery: Enabled, 250

Turn on Desktop Background Slideshow Plugged in: Enabled, 250

Select and Active Power Plan: Not configured

Specify a Custom Active Power Plan: Not configured

Recovery

Allow restore of system to default state: Enabled

Remote Assistance

Allow only Vista or later connections: Enabled

Customize Warning Messages: Not configured

Offer Remote Assistance: Disabled

Solicited Remote Assistance: Disabled

Turn on bandwidth optimization: Disabled

Turn on session logging: Enabled

Remote Procedure Call

Ignore Delegation failure: Disabled

Minimum Idle connection Timeout for RPC/HTTP: Not configured

Propagation of extended error information: Not configured

Restrictions for Unauthenticated RPC clients: Enabled, Auth. w/o Exceptions

RPC Endpoint Mapper Client Authentication: Enabled

RPC Troubleshooting State Information: Enabled, None

Removable Storage Access

Allow removable storage classes: Deny all access: Not configured

All removable storage: Allow direct access in remote sessions: Disabled

CD and DVD: Deny execute access: Not configured

CD and DVD: Deny read access: Not configured

CD and DVD: Deny write access: Not configured

Custom Classes: Deny read access: Not configured

Custom Classes: Deny write access: Not configured

Floppy Drives: Deny execute access: Not configured

Floppy Drives: Deny read access: Not configured

Floppy Drives: Deny write access: Not configured

Removable Disks: Deny execute access: Not configured

Removable Disks: Deny read access: Not configured

Removable Disks: Deny write access: Not configured

Tape Drives: Deny execute access: Not configured

Tape Drives: Deny read access: Not configured

Tape Drives: Deny write access: Not configured

Time to force reboot: Not configured

WDP Devices: Deny read access: Not configured

WDP Devices: Deny write access: Not configured

Scripts

- Allow logon scripts when NetBIOS or WINS is disabled: Disabled
- Maximum wait time for Group Policy scripts: Not configured
- Run logon scripts synchronously: Not configured
- Run startup scripts asynchronously: Not configured
- Run startup scripts visible: Enabled
- Run Windows PowerShell scripts at computer startup...: Not configured
- Run Windows PowerShell scripts at first user logon, logoff: Not configured

Shutdown Options

- Turn off automatic termination of applications...: Disabled

System Restore

- Turn off Configuration: Not configured
- Turn off System Restore: Disabled

Troubleshooting and Diagnostics

- Application Compatibility Diagnostics
  - Notify blocked drivers: Enabled
  - Detect application failures caused by deprecated COM...: Enabled, All
  - Detect application failures caused by deprecated Windows..: Enabled, All
  - Detect application installation failures: Enabled
  - Detect application installer that need to be run as...: Enabled, All
  - Detect applications unable to launch installers under UAC: Enabled, All
- Corrupted File Recovery
  - Configure Corrupted File Recovery Behaviour: Not configured
- Disk Diagnostic
  - Disk Diagnostic: Configure custom alert text: Not configured
  - Disk Diagnostic: Configure execution level: Not configured
- Fault Tolerant Heap
  - Configure Scenario execution level: Not configured

Microsoft Support Diagnostic Tool

MSDT: Turn on MSDT interactive communication with Support..: Disabled

MSDT: Restrict tool download: Enabled

MSDT: Configure execution level: Disabled

MSI corrupted file recovery

Configure MSI corrupted file recovery behavior: Not configured

Scheduled Maintenance

Configure Scheduled Maintenance behavior: Not configured

Scripted Diagnostics

Troubleshooting: Allow users to access online...: Disabled

Troubleshooting: Allow users to access and run...: Disabled

Configure Security Policy for Scripted Diagnostics: Enabled

Windows Boot Performance Diagnostics

Configure Scenario Execution level: Not configured

Windows Memory Leak Diagnosis

Configure Scenario Execution level: Not configured

Windows Performance PerfTrack

Enable/Disable Perftrack: Disabled

Windows Resource Exhaustion Detection and Resolution

Configure Scenario Execution level: Not configured

Windows Shutdown Performance Diagnostics

Configure Scenario Execution level: Not configured

Windows Standby/Resume Performance Diagnostics

Configure Scenario Execution level: Not configured

Windows System Responsiveness Performance Diagnostics

Configure Scenario Execution level: Not configured

Diagnostics: Configure scenario retention: Not configured

Diagnostics: Configure scenario execution level: Not configured

Trusted Platform Module Services

Configure the list of blocked TPM commands: Not configured

Ignore the default list of blocked TPM commands: Not configured

Ignore the local list of blocked TPM commands: Not configured

Turn on TPM backup to Active Directory Domain Services: Not configured

User Profiles

Add the administrator's security group to roaming user...: Enabled

Delete user profiles older than a specified number...: Enabled, 29

Do not check for user ownership of Roaming Profile Folders: Not configured

Delete cached copies of roaming profiles: Enabled

Do not forcefully unload the user's registry at user logoff: Disabled

Do not detect slow network connections: Enabled

Prompt user when a slow network connection is detected: Not configured

Leave Windows only installer and Group Policy Software...: Disabled

Only allow local user profiles: Enabled

Set roaming profile path for all users logging on...: Not configured

Timeout for dialogue boxes: Not configured

Do not log users on with temporary profiles: Enabled

Maximum retries to unload and update user profile: Not configured

Prevent Roaming Profile changes from propagating...: Enabled

Wait for remote user profile: Enabled

Slow network connection Timeout for user profiles: Not configured

Background upload of a roaming user profile's registry...: Not configured

Set maximum wait time for the network if a user has...: Not configured

Windows File Protection

Hide the file scan progress window: Disabled

Limit Windows File Protection cache size: Enabled, 50

Set Windows File Protection scanning: Not configured

Specify Windows File Protection cache location: Not configured

Windows HotStart

Turn off Windows HotStart: Not configured

Windows Time Service

Time Providers

Configure Windows NTP Client: Not configured

Enable Windows NTP Client: Not configured

Enable Windows NTP Server: Not configured

Global Configuration Settings: Not configured

Windows Components

ActiveX Installer Service

Approved Installation Sites for ActiveX Controls:

ActiveX installation policy for sites in trusted zones:

Application Compatibility

Prevent access to 16-bit applications: Enabled

Remove Program Compatibility: Not configured

Turn off Application Telemetry: Not configured

Turn off Application Compatibility Engine: Enabled

Turn off Program Compatibility Assistant: Enabled

Turn off Program Inventory: Not configured

Turn off SwitchBack Compatibility Engine: Enabled

Turn off Problem Steps Recorder: Enabled

AutoPlay

Turn off Autoplay: Enabled

Don't set the always do this check-box: Enabled

Turn off Autoplay for non-volume devices: Enabled

Default behavior for AutoRun: Not configured

Backup

Client

Prevent backing up to local disks: Enabled
Prevent backing up to network location: Enabled
Prevent backing up to optical media: Enabled
Prevent the user from running the Backup Status and...: Enabled
Turn off restore functionality: Enabled
Turn off the ability to back up data files: Enabled
Turn off the ability to create a system image: Enabled

Server

Allow only system backup: Enabled
Disallow locally attached storage as backup target: Enabled
Disallow network as backup target: Enabled
Disallow optical media as backup target: Enabled
Disallow run-once backups: Enabled

Biometrics

Allow domain users to log on using biometrics: Disabled
Allow the use of biometrics: Disabled
Allow users to log on using: Disabled
Timeout for fast user switching events: Not configured

BitLocker Drive Encryption

Fixed Data Drives

Allow access to BitLocker-protected...: Not configured
Choose how BitLocker-protected fixed drives...: Not configured
Configure use of passwords for fixed data drives: Not configured
Configure use of smart cards on fixed data drives: Not configured
Deny write access to fixed drives not protected...: Not configured

Operating System Drives

Allow enhanced PINs for startup: Not configured

Choose how BitLocker-protected...: Not configured

Configure minimum PIN length for startup: Not configured

Configure TPM platform validation profile: Not configured

Require additional authentication startup: Not configured

Require additional authentication at start-up...: Not configured

Removable Data Drives

Allow access to BitLocker-protected...: Not configured

Choose how BitLocker-protected removable: Not configured

Configure use of passwords for removable data drives: Not configured

Configure use of smart cards on removable data drives: Not configured

Control use of BitLocker on removable drives: Not configured

Deny write access to removable drives not protected...: Not configured

Choose default folder for recovery password: Not configured

Choose drive encryption method and cipher strength: Not configured

Prevent memory overwrite on restart: Not configured

Provide the unique identifiers for your organization: Not configured

Store BitLocker recovery information in Active Directory...: Not configured

Validate smart card certificate usage rule compliance: Not configured

Credential User Interface

Enumerate administrator accounts on elevation: Disabled

Require trusted path for credential entry: Enabled

Desktop Gadgets

Override the More Gadgets link: Enabled

Restrict unpacking and installation of gadgets that...: Enabled

Turn off desktop gadgets: Enabled

Turn off user-installed desktop gadgets: Enabled

Desktop Windows Manager

- Windows Frame Coloring
  - Do not allow color changes: Enabled
  - Specify a default color: Not configured
- Do not allow desktop composition: Enabled
- Do not allow Flip3D invocation: Enabled
- Do not allow windows animations: Enabled

Digital Locker

- Do not allow Digital Locker to run: Enabled

Event Forwarding

- Configure the server address, refresh interval...: Not configured
- ForwarderResourceUsage: Not configured

Event Log Service:

- Application
  - Backup log automatically when full: Enabled
  - Log Access: Not configured
  - Log File Path: Not configured
  - Max Log Size: Enabled, 2046
  - Retain old events: Enabled
- Security
  - Backup log automatically when full: Enabled
  - Log Access: Not configured
  - Log File Path: Not configured
  - Max Log Size: Enabled, 2046
  - Retain old events: Enabled
- Setup
  - Backup log automatically when full: Enabled
  - Log Access: Not configured

-
    -
        - Log File Path: Not configured
        - Max Log Size: Enabled, 2046
        - Retain old events: Enabled
    - System
        - Backup log automatically when full: Enabled
        - Log Access: Not configured
        - Log File Path: Not configured
        - Max Log Size: Enabled, 2046
        - Retain old events: Enabled

- Event Viewer
    - Events.asp program: Not configured
    - Events.asp program command line parameters: Not configured
    - Events.asp URL: Not configured

- Game Explorer
    - Turn off downloading of game information: Enabled
    - Turn off game updates: Enabled
    - Turn off tracking of last play time...: Enabled

- HomeGroup
    - Prevent the computer from joining a HomeGroup: Enabled

- Internet Explorer
    - Accelerators
        - Deploy default Accelerators: Not configured
        - Deploy non-default Accelerators: Not configured
        - Turn off Accelerators: Enabled
        - Use Policy Accelerators: Enabled
    - Application Compatibility
        - Enable cut copy...

```
        All Processes: Disabled
        Internet Explorer Processes: Disabled
        Process list: Disabled
Browser menus
    Turn off print menu: Enabled
Compatibility View
    Include updated web site lists from Microsoft: Disabled
    Turn off compatibility view: Enabled
    Turn off compatibility view button: Enabled
    Turn on Internet Explorer 7 standards...: Disabled
    Turn on Internet Explorer Standards...: Disabled
    Use policy list of Internet explorer 7 sites: Disabled
    Use policy list of quirks mode sites: Not configured
Corporate Settings
    Code Download
        Prevent setting of the code download...: Not configured
Delete Browsing History
    Configure Delete Browsing history...: Enabled
    Disable configuring history: Enabled
    Prevent Deleting ActiveX Filtering...: Enabled
    Prevent Deleting Cookies: Enabled
    Prevent Deleting Download History: Enabled
    Prevent Deleting Favorites Site Data: Enabled
    Prevent Deleting Form Data: Enabled
    Prevent Deleting InPrivate filtering data: Enabled
    Prevent Deleting passwords: Enabled
    Prevent Deleting Passwords: Enabled
    Prevent Deleting Temporary Internet Files: Enabled
    Prevent Deleting web sites that the user has...: Enabled
    Prevent the deletion of temporary internet files...: Enabled
    Turn off delete browsing history functionality: Enabled
```

Internet Control Panel

Advanced Page

Allow active content from CDs to run...: Disabled

Check for server certificate revocation:

Turn off ClearType: Enabled

Do not allow resetting Internet Explorer settings:

Check for signatures on downloaded programs:

Allow third-party browser extensions: Disabled

Turn on Caret Browsing support: Not configured

Use HTTP 1.1: Not configured

Allow Install on Demand Internet Explorer: Disabled

Allow Install on Demand except Internet Explorer: Disabled

Automatically check for Internet Explorer updates: Disabled

Allow software to run or install even if the signature...: Disabled

Play animations in web pages: Disabled

Play sounds in web pages: Disabled

Play videos in web pages: Disabled

Turn off profile assistant: Enabled

Use HTTP 1.1 through proxy connections: Not configured

Do not save encrypted pages to disk: Enabled

Turn off encryption support: Disabled

Empty Temporary Internet Files folder when...: Enabled

Security Page

Intranet Sites: Include all the local...: Disabled

Locked-Down Internet Zone...: Enabled

Internet Zone Template: Enabled, High

Locked-Down Intranet Zone...: Enabled, High

Intranet Zone: Enabled, High

Locked-Down Local Machine Zone...: Enabled, High

Local Machine Zone Template: Enabled, High

Locked-Down Restricted Sites Zone...: Enabled, High

    - Restricted Sites Zone Template: Enabled, High
    - Locked-Down Trusted Sites Zone...: Enabled, High
    - Trusted Sites Zone Template: Enabled, High
    - Turn on Warn about certificate address...: Enabled
    - Intranet Sites: Include all sites that...: Disabled
    - Intranet Sites: Include all network paths: Disabled
    - Site to Zone Assignment list: Not configured
    - Turn on automatic detection of the Intranet: Disabled
    - Turn on Notification bar notification for...: Disabled
  - Disable the Advanced Page: Enabled
  - Disable the Connections page: Enabled
  - Disable the Content page: Enabled
  - Disable the General page: Enabled
  - Disable the Privacy page: Enabled
  - Disable the Programs page: Enabled
  - Disable the Security page: Enabled
  - Send internationalized domain names: Not configured
  - Use UTF-8 for mail-to links: Disabled
  - Prevent ignoring certificate errors: Enabled
- Internet Settings
  - Advanced
    - Browsing
      - Go to an Intranet site for a single...: Disabled
    - Multimedia
      - Enable alternative codecs in HTML5 media...: Disabled
    - Searching
      - Prevent configuration of search from the...: Enabled
      - Prevent configuration of top result search...: Enabled
    - AutoComplete
      - Turn of Windows Search AutoComplete: Enabled
    - Component Updates

Help Menu > about IE

Prevent the configuration of cipher strength...: Enabled

Periodic checks...

Turn off changing the URL to be displayed...: Enabled

Turn off configuring the update check....: Enabled

Privacy

Disable toolbars and extensions when...: Enabled

Do not collect InPrivate...: Enabled

InPrivate Filtering threshold: Enabled, 3

Tracking protection threshold: Not configured

Turn off InPrivate Browsing: Enabled

Turn off filtering: Enabled

Turn off tracking protection: Enabled

Security Features

Add-on management

Add-on list: Not configured

All processes: Enabled

Deny all add-ons unless specifically...: Enabled

Process list: Not configured

AJAX

Enable native XMLhttprequest support: Disabled

Maximum number of connections per...: Not configured

Maximum number of connections per...: Not configured

Turn off Cross Document messaging: Enabled

Turn off the XDomain request object: Enabled

Binary Behavior security restriction

Admin-approved behaviors: Disabled

All processes: Enabled

Install binaries signed by...: Disabled

  - Internet Explorer Processes: Enabled
  - Process list: Not configured
- Consistent mime handling
  - All processes: Enabled
  - Internet Explorer processes: Enabled
  - Process list: Not configured
- Local machine zone lockdown security
  - All processes: Enabled
  - Internet Explorer processes: Enabled
  - Process list: Not configured
- Mime sniffing safety feature
  - All processes: Enabled
  - Internet Explorer processes: Enabled
  - Process list: Not configured
- MK protocol Security restriction
  - All processes: Enabled
  - Internet Explorer processes: Enabled
  - Process list: Not configured
- Network protocol lockdown
  - Restricted protocols per security zone
    - Internet Zone restricted protocols: Not configured
    - Intranet zone restricted protocols: Not configured
    - Local machine zone restricted protocols: Not configured
    - Restricted sites zone restricted protocols: Not configured
    - Trusted sites zone restricted protocols: Not configured
  - All processes: Enabled
  - Internet Explorer Processes: Enabled
  - Process List: Not configured
- Notification bar
  - All processes: Not configured
  - Internet Explorer processes: Disabled

        - Process list: Not configured
    - Object caching protection
        - All processes: Enabled
        - Internet Explorer processes: Enabled
        - Process list: Not configured
    - Prevention from zone elevation
        - All processes: Enabled
        - Internet Explorer processes: Enabled
        - Process list: Not configured
    - Restrict ActiveX install
        - All processes: Not configured
        - Internet Explorer processes: Enabled
        - Process list: Not configured
    - Restrict file download
        - All processes: Enabled
        - Internet Explorer processes: Enabled
        - Process list: Not configured
    - Scripted windows security restrictions
        - All processes: Enabled
        - Internet Explorer processes: Enabled
        - Process list: Not configured
    - Turn off Data Execution Prevention: Disabled
    - Turn off data URI support: Enabled
- Toolbars
    - Customize Command labels: Not configured
    - Hide the command bar: Enabled
    - Hide the status bar: Enabled
    - Lock all toolbars: Enabled
    - Set location of Stop and Refresh buttons: Not configured
    - Show tabs on a separate row: Enabled
    - Turn off developer tools: Enabled

Turn off toolbar upgrade tool: Enabled

Use large icons for command buttons: Not configured

Add a specific list of search providers to the user's...: Disabled

Allow Internet Explorer 8 shutdown behavior: Disabled

Automatically enable newly installed add-ons: Disabled

Configure new tab page default behavior: Enabled, New tab page

Customize User Agent String: Not configured

Disable add-on performance notifications: Enabled

Disable Automatic Install of Internet Explorer...: Enabled

Disable Browser Geolocation: Enabled

Disable changing Automatic Configuration settings: Enabled

Disable changing connection settings: Enabled

Disable changing proxy settings: Enabled

Disable changing secondary home page settings: Enabled

Disable Import/Export Settings wizard: Enabled

Disable Periodic Check for Internet Explorer...: Enabled

Disable Per-User Installation of ActiveX Controls: Enabled

Disable showing the splash screen: Enabled

Disable software update shell notification...: Enabled

Do not allow users to enable or disable add-ons: Enabled

Enforce Full Screen mode: Enabled

Make proxy settings per machine...: Enabled

Only use the ActiveX Installer service for installation...: Enabled

Pop-up allow list: Disabled

Prevent fix settings functionality: Enabled

Prevent bypassing SmartScreen filter warnings: Enabled

Prevent Internet Explorer search box from displaying: Enabled

Prevent participation in the Customer Experience...: Enabled

Prevent users from bypassing SmartScreen...: Enabled

Restrict changing the default search provider: Enabled

Security Zones: Do not allow users to add...: Enabled

Security Zones: Do not allow users to change policies: Enabled

Security Zones: Use only machine settings: Enabled

Set tab process growth: Not configured

Turn off ability to pin sites: Enabled

Turn off ActiveX opt-in Prompt: Enabled

Turn off configuration of default behavior of new tab...: Enabled

Turn off configuration of tabbed browsing pop-up behavior: Enabled

Turn off configuration of windows reuse: Enabled

Turn off Crash Detection: Enabled

Turn off displaying the Internet Explorer Help Menu: Enabled

Turn off Favorites bar: Enabled

Turn off managing Phishing filter: Enabled

Turn off Managing pop-up allow list: Enabled

Turn off managing pop-up filter level: Enabled

Turn of managing SmartScreen filter...: Enabled

Turn of managing SmartScreen filter...: Enabled

Turn off page zooming functionality: Enabled

Turn off pop-up management: Enabled

Turn off Quick Tabs functionality: Enabled

Turn off Reopen Last Browsing Session: Enabled

Turn off suggestions for all user-installed providers: Enabled

Turn off tabbed browsing: Enabled

Turn off the activation of quick pick menu: Enabled

Turn off the auto-complete feature for web addresses: Enabled

Turn off the security settings check feature: Disabled

Turn on ActiveX Filtering: Enabled

Turn on compatibility logging: Enabled

Turn on menu bar by default: Disabled

Turn on suggested sites: Disabled

Internet Information Services

- Prevent IIS installation: Enabled

Location and Sensors

- Turn off location: Enabled
- Turn off location scripting: Enabled
- Turn off sensors: Enabled

NetMeeting

- Disable remote Desktop Sharing: Enabled

Network Projector

- Network projector port settings: Not configured
- Turn off connect to a network...: Enabled

Online Assistance:

- Turn off Active Help: Enabled

Parental Controls

- Make Parental control panel visible...: Disabled

Presentation Settings

- Turn off Windows Presentation Settings: Enabled

Remote Desktop Session

- RD Licensing
  - License Server security group: Enabled
  - Prevent license upgrade: Enabled
- Remote Desktop connection Client
  - Allow .rdp files from unknown publishers: Disabled
  - Allow .rdp files from valid publishers...: Disabled
  - Configure server authentication for...: Enabled, Do not connect...

  - Do not allow passwords to be saved: Enabled
  - Prompt for credentials on the client computer: Enabled
  - Specify SHA1 thumbprints of certificates...: Not configured
- Remote Desktop Session Host
  - Connections
    - Allow users to connect remotely using Remote Desktop..: Disabled
    - Automatic reconnection: Disabled
    - Configure keep-alive connection...: Not configured
    - Deny logoff an administrator...: Enabled
    - Limit number of connections: Not configured
    - Restrict Remote Desktop Services Users...: Enabled
    - Set rules for remote control of Remote...: Enabled, No remote..
  - Device and Resource Redirection
    - Allow audio and video playback...: Disabled
    - Allow audio recording redirection: Disabled
    - Allow time zone redirection: Disabled
    - Do not allow clipboard redirection: Enabled
    - Do not allow COM port redirection: Enabled
    - Do not allow drive redirection: Enabled
    - Do not allow LPT port redirection: Enabled
    - Do not allow smart card device redirection: Enabled
    - Do not allow supported Plug and Play...: Enabled
    - Limit audio playback quality: Not configured
  - Licensing
    - Hide notifications about RD licensing problems...: Enabled
    - Set the Remote Desktop licensing mode: Enabled, Per user
    - Use the specified Remote Desktop...: Not configured
  - Printer Redirection
    - Do not allow client printer redirection: Enabled
    - Do not set default client printer to be...: Enabled
    - Specify RD session host server fall-back...: Disabled

Use remote desktop easy print printer driver first: Disabled

Profiles

Limit the size of the entire roaming user...: Not configured

Set path for remote Desktop Services...: Not configured

Set Remote Desktop Services User Home Directory: Not configured

Use mandatory profiles on the RD session host: Disabled

RD Connection Broker

Configure RD connection broker farm name:

Configure RD connection broker server name:

Join RD connection broker:

Use IP Address redirection:

Remote Sessions Environment

Always show desktop on connection: Enabled

Enforce removal of Remote Desktop Wallpaper: Not configured

Limit maximum color depth: Disabled

Limit maximum display resolution: Disabled

Limit maximum number of monitors: Disabled

Optimize visual experience for...: Not configured

Remove disconnect option from shutdown...: Enabled

Remote Windows Security item from start menu: Enabled

Set compression algorithm for RDP data: Not configured

Start a program on connection: Disabled

Security

Always prompt for a password upon connection: Enabled

Do not allow local administrator to customize...: Enabled

Require secure RPC communication: Enabled

Require use of specific layer for remote...: Not configured

Require user authentication for remote...: Enabled

Server authentication certificate template: Not configured

Set client connection encryption level: Enabled, High

```
        Session Time Limits
            Set time limit for active but idle Remote...: Enabled, 15
            Set time limit for active remote desktop...: Not configured
            Set time limit for disconnected sessions: Enabled, 10
            Terminate session when time limits are...: Enabled
        Temporary Folders
            Do not delete temp folders upon exit: Disabled
            Do not use temporary folders per session: Enabled
RSS Feeds
    Turn off addition and removal of feeds...: Enabled
    Turn off background sync for feeds...: Enabled
    Turn off download of enclosures: Enabled
    Turn off feed and web slices discovery: Enabled
    Turn off the feed list: Enabled
    Turn on basic authentication over HTTP: Disabled
Search
    OCR
        Force TIFF IFilter to perform OCR for every...: Enabled
        Select OCR languages from a code page: Not configured
    Add primary intranet search location: Not configured
    Add secondary intranet search locations: Not configured
    Allow indexing of encrypted files: Disabled
    Allow use of diacritics: Not configured
    Control rich previews for attachments: Not configured
    Default excluded paths: Not configured
    Default indexed paths: Not configured
    Disable indexer back off: Enabled
    Do not allow web search: Enabled
    Enable indexing of online delegate mailboxes: Disabled
    Enable indexing of uncached exchange folders: Disabled
    Enabled throttling for online mail indexing: Disabled
```

Indexer data location: Not configured

Prevent adding UNC locations to index from...: Enabled

Prevent adding user-specific locations to All locations...: Enabled

Prevent automatically adding shared folders to the...: Enabled

Prevent clients from querying the index remotely: Enabled

Prevent customization of indexed locations in the...: Enabled

Prevent displaying advanced indexing options in...: Enabled

Prevent indexing certain paths: Not configured:

Prevent indexing email attachments: Enabled

Prevent indexing files in offline files cache: Enabled

Prevent indexing Microsoft Office Outlook: Enabled

Prevent indexing public folders: Enabled

Prevent indexing certain file types: Not configured

Prevent indexing when running on battery power: Not configured

Prevent unwanted iFilters and protocol handlers: Enabled

Preview pane location: Disabled

Set large or small icon view in desktop search results: Disabled

Stop indexing in the event of limited hard drive space: Enabled

Security Center

Turn on Security Center: Enabled

Shutdown Options

Timeout hung logon sessions during shutdown: Not configured

Turn off legacy remote shutdown interface: Enabled

Smart Card

Sound Recorder

Do not allow sound recorder to run: Enabled

Tablet PC

- Accessories
  - Do not allow Inkball to run: Enabled
  - Do not allow printing to Journal Note Writer: Enabled
  - Do not allow sniping tool to run: Enabled
  - Do not allow Windows Journal to be run: Enabled
- Cursors
  - Turn off pen feedback: Enabled
- Handwriting Personalization
  - Turn off automatic learning: Enabled
- Hardware Buttons
  - Prevent back-ESC mapping: Enabled
  - Prevent launch an application: Enabled
  - Prevent press and hold: Enabled
  - Turn off hardware buttons: Enabled
- Input Panel
  - Disable text prediction: Enabled
  - For tablet pen input, don’t show the input...: Enabled
  - For touch input, don’t show the input panel icon: Enabled
  - Include rarely used Chinese, Kanji, or Hanja...: Enabled
  - Prevent Input Panel tab from appearing: Enabled
  - Switch to the PRC gestures: Enabled
  - Turn off AutoComplete integration with Input...: Enabled
  - Turn off password security in Input Panel: Disabled
  - Turn off tolerant and Z scraped scratch-out...: Not configured
- Pen Flicks Learning
  - Prevent Flicks learning mode: Enabled
- Pen UX Behaviors
  - Prevent flicks: Enabled
- Tablet PC Pen Training
  - Turn off Tablet PC Pen training: Enabled

```
        Touch Input
                Turn off Tablet PC touch input: Enabled
                Turn off Touch Panning: Enabled

Task Scheduler
        Hide Advanced Properties checkbox in Add Scheduled...: Enabled
        Hide Property Pages: Enabled
        Prevent Task run or End: Enabled
        Prohibit Browse: Enabled
        Prohibit Drag-and-Drop: Enabled
        Prohibit new task creation: Enabled
        Prohibit Task deletion: Enabled

Windows Anytime Upgrade
        Prevent Windows Anytime Upgrade from...: Enabled

Windows Calendar
        Turn off Windows Calendar: Enabled

Windows Color System
        Prohibit installing or uninstalling color profiles: Enabled

Windows Customer Support
        Allow Corporate redirection of Customer...: Disabled
        Tag Windows Customer Experience Improvement...: Disabled

Windows Defender
        Check for New signatures before scheduled scans: Enabled
        Configure Microsoft SpyNet Reporting: Not configured
        Turn off real-time monitoring: Disabled
        Turn off routinely taking action: Enabled
```

Turn off windows defender: Disabled

Turn on definition updates through both...: Not configured

Turn on definition updates through both...: Not configured

Windows Error Reporting Service

Advanced Error Reporting Settings

Configure corporate windows error reporting: Not configured

Configure report archive: Not configured

Configure report queue: Not configured

Default application reporting settings: Not configured

List of applications to always report errors...: Disabled

List of applications to be excluded: Disabled

List of applications to never report errors for: Not configured

Report OS errors: Disabled

Report unplanned shutdown events: Disabled

Consent

Configure default consent: Disabled

Customize consent settings: Not configured

Ignore custom consent settings: Not configured

Configure Error Reporting: Not configured

Disable Logging: Disabled

Disable Windows Error Reporting: Enabled

Display Error Notification: Disabled

Do not send additional data: Enabled

Prevent display of the user interface for...: Enabled

Windows Explorer

Previous Versions

Disable binding directly to IPropertySetStorage...: Not configured

Set a support web page link: Disabled

Turn off Data execution Prevention for Explorer: Disabled

Turn off heap termination on corruption: Disabled

Turn off numerical sorting in Windows Explorer: Enabled

Turn off shell protocol protected mode: Disabled

Verify old and new folder redirection targets...: Disabled

Windows Installer

Allow admin to install RDS session:

Always install with elevated privileges:

Baseline file cache maximum size: Not configured

Cache transforms in secure location on workstation: Enabled

Disable IE security prompt for windows installer...: Disabled

Disable logging via package settings: Enabled

Disable windows installed: Disabled

Enable user control over installs: Enabled

Enable user to browse for source while elevated: Disabled

Enable user to patch elevated products: Enabled

Enforce upgrade to component rules: Enabled

Logging: Not configured

Prohibit Flyweight patching: Not configured

Prohibit non-admins from applying vendor signed...: Enabled

Prohibit Patching: Enabled

Prohibit removal of updates: Enabled

Prohibit rollback: Disabled

Prohibit use of restart manager: Enabled

Prohibit user installs: Enabled

Remove browse dialogue box for new source: Enabled

Turn off creation of System restore checkpoints: Enabled

Windows Logon Options

Disable or enable software secure attention sequence: Enabled

Display information about previous logons during user...: Disabled

Report when logon server was not available during...: Disabled

Windows Mail

Turn off the communities features: Enabled

Turn off Windows Mail application: Enabled

Windows Media Center

Do not allow Windows Media Center to run: Enabled

Windows Media Digital Rights Management

Prevent Windows Media DRM Internet Access: Enabled

Windows Media Player

Do not show first use dialogue boxes: Enabled

Prevent automatic Updates: Disabled

Prevent Desktop shortcut creation: Enabled

Prevent media sharing: Enabled

Prevent Quick launch toolbar shortcut creation: Enabled

Prevent Video smoothing: Enabled

Windows Messenger

Do not allow Windows Messenger to be run: Enabled

Do not automatically start Windows Messenger initially: Enabled

Windows Mobility Center

Turn off Windows Mobility Center: Enabled

Windows Reliability Analysis

Configure Reliability WMI Providers: Not configured

Windows Remote Management

- WinRM Client
    - Allow Basic authentication: Disabled
    - Allow CredSSP authentication: Enabled
    - Allow unencrypted traffic: Disabled
    - Disallow digest authentication: Enabled
    - Disallow Kerberos Authentication: Disabled
    - Disallow Negotiate authentication: Enabled
    - Trusted hosts: Not configured
- WinRM Server
    - Allow automatic configuration of listeners: Disabled
    - Allow basic authentication: Disabled
    - Allow CredSSP authentication: Enabled
    - Allow unencrypted traffic: Disabled
    - Disallow Kerberos authentication: Disabled
    - Disallow Negotiate authentication: Enabled
    - Specify channel binding token hardening level: Not configured
    - Turn on Compatibility HTTP listener: Not configured
    - Turn on Compatibility HTTPS listener: Not configured

Windows Remote Shell

- Allow Remote shell access: Disabled
- Max Concurrent User: Not configured
- Specify idle timeout: Not configured
- Specify maximum amount of memory in MB per shell: Not configured
- Specify maximum number of processes per shell: Not configured
- Specify maximum number of remote shells per user: Not configured
- Specify shell timeout: Not configured

Windows SideShow

- Delete data from devices running Microsoft firmware...: Enabled
- Require a PIN to access data on devices running...: Enabled

Turn off automatic wake: Enabled

Turn off Windows SideShow: Enabled

Windows System Requirements

Set the Email IDs to which notifications are sent: Disabled

Set the SMTP Server used to send notifications: Disabled

Set the Time interval in minutes for logging account data: Not configured

Turn on Accounts for WSRM: Disabled

Windows Update

Allow automatic updates immediate installation: Disabled

Allow non-admins to receive update notifications: Disabled

Allow signed updates from an intranet Microsoft...: Disabled

Automatic Updates detection frequency: Not configured

Configure Automatic Updates: Not configured

Delay Restart for scheduled installations: Not configured

Do not adjust default option to install updates and...: Enabled

Do not display install updates and shutdown potion in...: Enabled

Enable client-side targeting: Disabled

Enabling Windows Update Power Management...: Disabled

No auto-restart with logged on users for scheduled...: Enabled

Re-prompt for restart with scheduled installations: Not configured

Reschedule Automatic updates scheduled installations: Not configured

Specify intranet Microsoft update service location: Disabled

Turn on recommended updates via Automatic Updates: Enabled

Turn on Software Notifications: Disabled

DONE!!

If more points are still needed be sure to re read the readme if some specific things are needed to be done.