





CYPAT: Windows Checklist PR1ZR4K1 IS #1

BEFORE YOU DO ANYTHING READ THE READ ME!!!!!! IT'S FREE POINTS!!!!!!!!!!!!!!

- ☐ Start the windows update after you read the read me
- ☐ Password Policy
 - 3 passwords remembered
 - 30-90 days maximum password age
 - 10 days minimum password age
 - 8-12 minimum password length
 - Enable complexity requirements
 - Disable reversible encryption
 -
- ☐ MMC
 - +R and type mmc
 - Ctrl+M
 - Select necessary snap-Ins
- ☐ Check user settings
 - All users should have 'User must change password at next logon' checked
 - All unauthorized users should have 'Account is disabled'
- ☐ Check ALL the groups
 - 'Administrators' group should ONLY have AUTHORIZED admins.
 - 'Guests' group should ONLY have 'Guest' in it
 - If the README wants only certain users to use RDP then add ONLY those users to the 'Remote Desktop Users' group
- ☐ Use SmartScreen online services (Security and Maintenance) =ON
- ☐ Wi-Fi Sense (Network & Internet)
 - Automatically connect to suggested open hotspots=OFF
 - Automatically connect to hotspots temporarily to see if paid network services are available=OFF
- ☐ Change Adapter settings (Disabling IPv6 and other services) =Uncheck these
 - Client for MS Networks
 - File and Printer Sharing for Microsoft Networks
 - QoS



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- Microsoft Network Adapter Multiplexor Protocol
- ☐ Disable Unnecessary Services
 -  and search services
 - Microsoft FTP Service
 - Print Spooler
 - Remote Desktop Configuration
 - Remote Desktop Services
 - Remote Desktop Services UserMode
 - Remote Registry
 - RIP Listener
 - SNMP Trap
 - SSDP Discovery
 - TCP/IP NetBIOS Helper
 - Telephony
 - Telnet
 - UPnP Device Host
- ☐ Disable port 1900 UPnP
 - Regedit path: HKLM\Software\Microsoft\DirectplayNATHelp\DPNHUPnP
 - Right click on right pane, new dword:32 bit, named UPnPMode
 - Double click on that and set it to 2
- ☐ Shares
 - ONLY THIS THREE SHOULD EVER BE ALLOWED
 - ADMIN\$
 - C\$
 - IPC\$
- ☐ Firewall Rules
 - Inbound=disable MS Edge
 - Inbound=disable Search
 - Inbound=disable MSN Money
 - Inbound=disable MSN Sports
 - Inbound=disable MSN News



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- Inbound=disable MSN Weather
- Inbound=disable Microsoft Photos
- Inbound=disable Xbox

☐ User Rights Assignment

<i>Policy</i>	<i>Default</i>	<i>Secure Setting</i>
<i>Access Credential Manger as a trusted caller</i>	No one	No one
<i>Access the computer from the network</i>	Everyone, Administrators, Users, Backup Operators	Administrators
<i>Act as park of the operating system</i>	No one	No one
<i>Adjust memory quotas for a process</i>	Administrators, LOCAL SERVICE, NETWORK SERVICE	Administrators, LOCAL SERVICE, NETWORK SERVICE
<i>Allow log on locally</i>	Guest, Administrators, Users, Backup Operators	Administrators, Users
<i>Allow log on through Remote Desktop Services</i>	Administrators, Remote Desktop Users	Administrators, Remote Desktop Users
<i>Back up files and directories</i>	Administrators, Backup Operators	Administrators
<i>Change system time</i>	Administrators, LOCAL SERVICE	Administrators, LOCAL SERVICE
<i>Change the time zone</i>	Administrators, LOCAL SERVICE, Users	Administrators, LOCAL SERVICE, Users
<i>Create a pagefile</i>	Administrators	Administrators
<i>Create a token object</i>	No one	No one



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<i>Create global objects</i>	Administrators, LOCAL SERVICE, NETWORK SERVICE, SERVICE	Administrators, LOCAL SERVICE, NETWORK SERVICE, SERVICE
<i>Create permanent shared objects</i>	No one	No one
<i>Create symbolic links</i>	Administrators	Administrators
<i>Debug programs</i>	Administrators	Administrators
<i>Deny access to this computer from the network</i>	Guest	Guest, Local account
<i>Deny log on as a batch job</i>	No one	Guest
<i>Deny log on as a service</i>	No one	Guest
<i>Deny log on locally</i>	Guest	Guest
<i>Deny log on through Remote Desktop Services</i>	No one	Guest, Local account
<i>Enable computer and user accounts to be trusted for delegation</i>	No one	No one
<i>Force shutdown from a remote system</i>	Administrators	Administrators
<i>Generate security audits</i>	LOCAL SERVICE, NETWORK SERVICE	LOCAL SERVICE, NETWORK SERVICE
<i>Impersonate a client after authentication</i>	Administrators, LOCAL SERVICE, NETWORK SERVICE, SERVICE	Administrators, LOCAL SERVICE, NETWORK SERVICE, SERVICE
<i>Increase scheduling priority</i>	Administrators	Administrators



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<i>Load and unload device drivers</i>	Administrators	Administrators
<i>Lock pages in memory</i>	No one	No one
<i>Log on as a batch job</i>	Administrators, Backup Operators, Performance Log Users	Administrators
<i>Log on as a service</i>	NT SERVICE\ALL SERVICES	No one
<i>Manage auditing and security log</i>	Administrators	Administrators
<i>Modify an object label</i>	No one	No one
<i>Modify firmware environment values</i>	Administrators	Administrators
<i>Perform volume maintenance tasks</i>	Administrators	Administrators
<i>Profile single process</i>	Administrators	Administrators
<i>Profile system performance</i>	Administrators, NT SERVICE\WdiServiceHost	Administrators, NT SERVICE\WdiServiceHost
<i>Replace a process level token</i>	LOCAL SERVICE, NETWORK SERVICE	LOCAL SERVICE, NETWORK SERVICE
<i>Restore files and directories</i>	Administrators, Backup Operators	Administrators
<i>Shutdown the system</i>	Administrators, Backup Operators, Users	Administrators, Users
<i>Take ownership of file or other objects</i>	Administrators	Administrators



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- Local Security Policy (Secpol)
 - **THESE ARE FOR MOST SECURE SETTINGS MAKE SURE TO CHECK THESE AS A TEAM!!!!**
 - Accounts: Administrator account status: *disabled*
 - Accounts: Block Microsoft accounts: *Users can't add or log on with Microsoft accounts*
 - Accounts: Guest account status: *disabled ***
 - Accounts: Limit local account use of blank passwords to console logon only: *enabled*
 - Audit: Audit access of global system objects: *disabled*
 - Audit: Audit the use of Backup and Restore privilege: *disabled*
 - Audit: Force audit policy subcategory settings (Windows Vista or later) to override audit policy category settings: *enabled*
 - Audit: Shutdown system immediately if unable to log security audits: *enable?*
 - DCOM: Machine access restrictions: *no remote access for all accounts*
 - DCOM: Machine launch restrictions: *no remote launch and remote activation for all accounts*
 - Devices: Allow undock without having to log on: *disabled*
 - Devices: Allowed to format and eject removable media: *administrators and interactive users*
 - Domain member: Digitally encrypt or sign secure channel data (always): *enabled*
 - Domain member: Digitally encrypt secure channel data (when possible): *enabled*
 - Domain member: Digitally sign secure channel data (when possible); *enabled*
 - Domain member: Disable machine account password changes: *disabled*
 - Domain member: Maximum machine account password age: *30 days*
 - Domain member: Require strong (Windows 2000 or later) session key: *enable*



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- Domain member: Display user information when session is locked: *do not display user information*
- Interactive logon: Do not display last user name: *enabled*
- Interactive logon: Do not require CTRL+ALT+DEL: *disabled*
- Interactive logon: Machine account lockout threshold: *10 invalid logon attempts*
- Interactive logon: Machine inactivity limit: *900 seconds*
- Interactive logon: Number of previous logons to cache (in case domain controller is not available: *4 logons*
- Interactive logon: Prompt user to change password before expiration: *14 days*
- Interactive logon: Require Domain Controller authentication to unlock workstation; *Disabled*
- Interactive logon: Require smart card: *disabled*
- Interactive logon: Smart card removal behavior: *Lock workstation*
- MS network client: Digitally sign communications (always): *enabled*
- MS network client: Send unencrypted password to third-party SMB servers: *disabled*
- MS network server; Amount of idle time required before suspending session: *15 minutes*
- MS network server: Digitally sign communications (always): *enabled*
- MS network server; Digitally sign communications (if client agrees); *enabled*
- MS network server: Disconnect clients when logon hours expire: *enabled*
- MS network server: Server SPN target name validation level: *Accept if provided by client*
- Network access: Allow anonymous SID/Name translation: *disabled*
- Network access: Do not allow anonymous enumeration of SAM accounts: *enabled*
- Network access: Do not allow anonymous enumeration of SAM accounts and shares: *enabled*



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- Network access: Do not allow storage of passwords and credentials for network authentication: *enabled*
- Network access: Let Everyone permissions apply to anonymous users: *disabled*
- Network access: Named Pipes that can be accessed anonymously: *blank*
- Network access: Remotely accessible registry paths: *blank*
- Network access; Remotely accessible registry paths and sub-paths: *blank*
- Network access: Restrict anonymous access to Named Pipes and Shares: *enabled*
- Network access: Shares that can be accessed anonymously: *blank*
- Network access: Sharing and security model for local accounts: *Classic - local users authenticate as themselves*
- Network security: Allow Local System to use computer identity for NTLM: *enabled*
- Network security: Allow LocalSystem NULL session fallback: *disabled*
- Network security: Allow PKU2U authentication requests to this computer to use online identifies: *disabled*
- Network security: Configure encryption types allowed for Kerberos: *RC4_HMAC_MD5, AES128_HMAC_SHA1, AES256_HMAC_SHA1, Future encryption types*
- Network security: Do not store LAN Manager hash value on next password change: *enabled*
- Network security: Force logoff when logon hours expire: *enabled*
- Network security; LAN Manager authentication level: *Send NTLMv2 response only, Refuse LM & NTLM*
- Network security: LDAP client signing requirements: *Negotiate signing*
- Network security: Minimum session security for NTLM SSP based (including secure RPC) clients: *Require NTLMv2 session security, Require 128 bit encryption*
- Network security: Minimum session security for NTLM SSP based (including secure RPC) server: *Require NTLMv2 session security, Require 128 bit encryption*



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- Network security: Restrict NTLM: Incoming NTLM traffic: *Deny all accounts*
- Network security: Restrict NTLM: NTLM authentication in this domain: *Deny all*
- Network security: Restrict NTLM: Outgoing NTLM traffic to remote servers: *Deny all*
- Recovery console: Allow automatic administrative logon: *disabled*
- Recovery console: Allow floppy copy and access to all drives and all folders: *disabled*
- Shutdown: Allow system to be shut down without having to logon: *disabled*
- Shutdown: Clear virtual memory page-file: *disabled*
- System cryptography: Use FIPS compliant algorithms for encryption, hashing and signing: *disabled*
- System objects: Require case insensitivity for non-Windows subsystems: *enabled*
- System objects: Strengthen default permissions of internal system objects (e.g. Symbolic links) : *enabled*
- System settings: Optional subsystems: *blank*
- System settings: Use Certificate Rules on Windows Executables for Software Restriction Policies: *disabled*
- UAC: Admin Approval Mode for Built-in Administrator account: *enabled*
- UAC: Allow UIAccess applications to prompt for elevation without using the secure desktop: *disabled*
- UAC: Behavior of elevation prompt for administrators in Admin Approval Mode: *Prompt for consent on the secure desktop*
- UAC: Behavior of the elevation prompt for standard users: *Automatically deny elevation requests*
- UAC: Detect application installations and prompt for elevation: *enabled*
- UAC: Only elevate executables that are signed and validated: *disabled*
- UAC; Only elevate UIAccess applications that are installed in secure locations: *enabled*
- UAC: Run all administrators in Admin Approval Mode: *enabled*



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- UAC: Switch to the secure desktop when prompting for elevation: *enabled*
- UAC: Virtualize file and registry write failures to per-user locations:
enabled