

Windows Server Monitoring & Maintenance

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Windows Server Monitoring & Maintenance

SERVER HEALTH

- Monitor Server Operating System logs for critical issues and correct as required.
- Maintain Server Performance: Processor usage, RAM Memory usage and Virtual Memory usage.
- Maintain Disk Health: ensure Servers/Domain Controller maintain free space in the OS partition to function optimally.
- Monitor and update system drivers and/or firmware as necessary to improve or stabilize performance and reliability of the Network Server.
- Monitor and update servers with the latest published (public and/or non-public) OS patches and updates issued by Microsoft.
- Monitor and install server OS related “Hotfixes” issued by Microsoft.
- Monitor, troubleshoot and maintain OS health for Hyper-V server.

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SECURITY

- Monitor server antivirus software to ensure updates are applied and functioning normally.
- Ensure the default operating system permissions of all system folders are intact.
- Ensure servers are regularly scanned and updated with the latest antivirus scan engine / virus definitions.
- Monitor default start-up state of system services to ensure spam/hacked services are not present.
- Monitor background processes and startup items to prevent attacks from Adware/Spyware/Worm/Trojan/Virus.
- Utilize 3rd party tools (e.g., Sysinternals AUTORUNS) to ensure no image executable hijack software is present.
- Run separate 3rd party Online Virus Scan on physical and virtual servers.

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ACTIVE DIRECTORY

- Analyze DCDIAG& NETDIAG reports.
- Check FRS & Replication between Domains through various tools.
- Ensure secure channel is functioning normally between servers.
- Monitor AD logs – maintain database health as required.
- Ensure DNS/DHCP services are functioning correctly.

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EXCHANGE & IIS

- Monitor and correct critical errors for Exchange Server.
- Monitor and maintain Exchange Databases/Transaction Logs to remove corruption.
- Monitor and maintain health of SMTP servers.
- Monitor and maintain Exchange queue – address non-delivered emails as required.
- Ensure the Exchange machine is not acting as an OPEN RELAY.
- Check for IP Blacklisting and correct as required.
- Monitor and maintain default settings for Exchange Connectors
- Monitor and maintain Exchange settings, Exchange Active Sync configuration and permissions
- Monitor and maintain IIS Virtual Directories for Exchange, ensuring they remain intact and have the correct settings and permissions
- Monitor additional permissions issues on IIS for Exchange Sync and correct as required.

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SQL

- Monitor and correct any critical errors for SQL Server.
- Monitor and maintain SQL Database health.

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DISASTER RECOVERY CHECKUPS

- Monitor and troubleshoot automatic scheduled server backups for completion.
- Take manual monthly backups of System State and Exchange Database logs for additional security of data.
- Monitor and repair Exchange Database Transaction logs as necessary.
- Take manual backups for IIS and Virtual Server permissions.
- Monitor and maintain backup for VHD's settings and files for any virtual server running on Hyper-V.
- Monitor and maintain host Hyper-V Server backup and configuration.