



Automated Image Optimization settings and defaults

- Parallels Remote Application Server 19.1

UWP application packages

- The target is to remove UWP application packages.
- **Default** value for **Automatic** is **Remove all except** for the following packages: Microsoft Windows Store.

Option Name	Package Name
Microsoft 3D Builder	Microsoft.3DBuilder
Microsoft Bing Weather	Microsoft.BingWeather
Microsoft App Installer	Microsoft.DesktopAppInstaller
Microsoft Get Help	Microsoft.GetHelp
Microsoft Tips	Microsoft.Getstarted
Microsoft HEIF Image Extensions	Microsoft.HEIFImageExtension
Microsoft Messaging	Microsoft.Messaging
Microsoft Mixed Reality Viewer	Microsoft.Microsoft3DViewer
Microsoft My Office	Microsoft.MicrosoftOfficeHub
Microsoft Microsoft Solitaire Collection	Microsoft.MicrosoftSolitaireCollection
Microsoft Microsoft Sticky Notes	Microsoft.MicrosoftStickyNotes
Microsoft Mixed Reality Portal	Microsoft.MixedReality.Portal
Microsoft Paint 3D	Microsoft.MSPaint
Microsoft OneNote	Microsoft.Office.OneNote
Microsoft Paid Wi-Fi & Cellular	Microsoft.OneConnect
Microsoft People	Microsoft.People
Microsoft Print 3D	Microsoft.Print3D
Microsoft Snip & Sketch	Microsoft.ScreenSketch
Microsoft Skype	Microsoft.SkypeApp
Microsoft Store Purchase App	Microsoft.StorePurchaseApp
Microsoft VP9 Video Extensions	Microsoft.VP9VideoExtensions
Microsoft Pay	Microsoft.Wallet
Microsoft Web Media Extensions	Microsoft.WebMediaExtensions
Microsoft Webp Image Extension	Microsoft.WebpImageExtension
Microsoft Photos	Microsoft.Windows.Photos
Windows Alarms & Clock	Microsoft.WindowsAlarms
Windows Calculator	Microsoft.WindowsCalculator
Windows Camera	Microsoft.WindowsCamera
Windows Mail and Calendar	microsoft.windowscommunicationsapps
Microsoft Feedback Hub	Microsoft.WindowsFeedbackHub
Microsoft Windows Maps	Microsoft.WindowsMaps

Windows Voice Recorder	Microsoft.WindowsSoundRecorder
Microsoft Store	Microsoft.WindowsStore
Microsoft Xbox TCUI	Microsoft.Xbox.TCUI
Microsoft Xbox	Microsoft.XboxApp
Microsoft Xbox Game Bar	Microsoft.XboxGameOverlay
Microsoft Xbox Gaming Overlay	Microsoft.XboxGamingOverlay
Microsoft Xbox Identity Provider	Microsoft.XboxIdentityProvider
Microsoft Xbox Speech To Text Overlay	Microsoft.XboxSpeechToTextOverlay
Microsoft Your Phone	Microsoft.YourPhone
Microsoft Groove Music	Microsoft.ZuneMusic
Microsoft Movies & TV	Microsoft.ZuneVideo

Windows Defender ATP

Optimization	Complete list (bold = automatic)	Default RDSH	Default VDI	Description	Comment
Windows Defender ATP	1. Turn off completely 2. Turn on but ◆ Option 2 with RAS logs exclusion + process list exclusion (see below the table) + Disable real-time scanning ◆ Exclude processes \ folders	Option 2 with RAS logs exclusion + process list exclusion (see below the table) + Disable real-time scanning	Option 2 with RAS logs exclusion + process list exclusion (see below the table) + Disable real-time scanning	By default we rely on Windows Defender with exclusions and disabled real-time scanning	Possible values • ON/OFF • ON/OFF • Lists

Excluded process

csrss.exe
 winlogon.exe
 rdpclip.exe
 rdpinit.exe
 rdpshell.exe
 dwm.exe
 vmtoolsd.exe
 cftmon.exe
 unsecapp.exe
 taskhost.exe
 searchprotocolhost.exe
 memshell.exe

memshell64.exe
2xdevredir.exe
scardhooker.exe
scardhooker64.exe
tstheme.exe
userinit.exe
mscorsvw.exe
ngen.exe
ngentask.exe
wmiprvse.exe
dllhost.exe
svchost.exe
servermanager.exe
logonui.exe
sppextcomobj.exe
sppsvc.exe
taskeng.exe
taskhostex.exe
conhost.exe
rundll32.exe
tzsync.exe
defrag.exe
mrt.exe
mcbuilder.exe
aitagent.exe
wsqmcons.exe
wlrmdr.exe
w3wp.exe
spoolsv.exe
smss.exe
wininit.exe
lsass.exe
msdtc.exe
wuauc.lt.exe
tlsbIn.exe
vssvc.exe
wmiadap.exe
splwow64.exe
googleupdate.exe

Windows Components

- The target is to delete Windows components.
- If the component "Not found" the error "component not found" is sent to the optimization log and optimization goes to apply the next option.

Option name	Default RDSH	Default VDI	Description
Xps-Foundation component	X	X	• XPS Services: This enables printing to <u>XPS documents</u>. Microsoft created this document format with Windows Vista and it never took off, so you're better off printing to PDF instead. Turn off this feature and the XPS printer will vanish from your list of installed printers (though you can also just right-click the XPS Printer in the Devices & Printers window and select "Remove Device"). • XPS Viewer: This application allows you to view XPS documents.
SearchEngine component	X	X	Removes Windows component SearchEngine-Client-Package (Search/Indexing). Only if WSearch service is set to disabled. Disables Search/Indexing permanently.
SMB Direct component			Remote Direct Memory Access (RDMA) support for the SMB 3.x file sharing protocol
SMB 1.0/CIFS File sharing support component	X	X	Support for the SMB 1.0/CIFS File sharing support protocol, and the Computer Browser protocol. This feature enables the sharing of files and printers with computers running older versions of Windows, ranging from Windows NT 4.0 up to Windows XP and Windows Server 2003 R2. The Server Message Block (SMB) protocol may be used by other operating systems like Linux or macOS to communicate with Windows devices. If that is the case in your network, it is safer not to disable it.
Media Playback and Windows Media Player	X	X	Control media features such as Windows Media Player.
Windows PowerShell 2.0 component			Adds or removes Windows PowerShell 2.0 engine.
Internet Explorer 11 component			Find and display information and Web sites on the Internet. If you don't need Microsoft's legacy web browser, you can disable access to Internet Explorer entirely.
Microsoft Print to PDF component			Provides binaries on the system for creating the Microsoft Print to PDF Queue. The feature adds an option to Windows to print any document to PDF. This is a virtual printer service that you can use to create PDF documents on Windows. Turn off, unless you require the functionality.
Microsoft XPS Document Writer component	X	X	Provides binaries on the system for creating the XPS Document Writer Queue. The feature adds an option to Windows to print any document to XPS. This is a virtual printer service that you can use to create XPS documents on Windows. Turn off, unless you require the functionality.
WorkFolders component			Allows file synchronization with a configured filer server.
Remote Differential Compression component	X	X	Remote Differential Compression (RDC) is a client-server synchronization algorithm that allows the contents of two files to be synchronized by communicating only the differences between them. It was introduced with Microsoft <u>Windows Server 2003 R2</u> , is included with later Windows client and server operating systems, but by 2019 is not being developed and is not used by any Microsoft

Windows Fax and Scan component

.NET Framework 4.5 Advanced Services

Tcp Port Sharing

Printing Foundation Features

Internet Printing Client

.NET Framework 3.x

Microsoft Windows NetFx4

Microsoft Windows Client EmbeddedExp

Microsoft Windows NetFx3 WCF

WCF-Service

Microsoft Windows NetFx4 WCF

product.

Enabling this feature on your Windows computer will allow you to use Fax or Scan devices that connected to your PC. If you don't use any of these devices, just turn off this feature.

.NET Framework 4.5 Advanced Services: They're only necessary to run applications written for this versions of .NET. Windows will automatically install them if an application requires them.

Tcp Port Sharing Service (NetTcpPortSharing) provides the ability for multiple user processes to **share TCP ports** over the net. **tcp** protocol. This service allows a net. **tcp port** to be **shared** and secured, similar to how HTTP traffic uses **port 80**.

Remove feature if remote users don't print at all.

The Internet Printing Client feature enables users to connect and print to printers on the local network or over the Internet by using Internet Printing Protocol (IPP). You can use the Internet Printing Client and IPP to connect to the shared printer using a Web browser (if the print server has the Internet Printing role service installed).

.NET framework adds support for 3rd party .NET3.x apps. If this Feature on Demand is not installed, .NET3.x apps won't work.

.NET framework adds support for 3rd party .NET4.x apps. If this feature is not installed, .NET4.x apps won't work.

You can use the settings in **Microsoft-Windows-Embedded-BootExp** to suppress OS elements that appear when the device starts or resumes, or you can suppress the crash screen when the OS encounters an error that it cannot recover from.

Unbranded boot can also be configured at runtime.

.NET framework 3.x Windows Communication Foundation

Windows Communication Foundation (WCF) is a framework for building service-oriented applications.

.NET framework 4.x Windows Communication Foundation

Windows Services

- The target is to disable or delay Windows Services.
- NA means not applicable.

Menu name	Default RDSH	Default VDI	Description
AllJoyn Router Service	X	X	Routes AllJoyn messages for the local AllJoyn clients. If this service is stopped the AllJoyn clients that do not have their own bundled routers will be unable to run. Windows 10 only.

Application Layer Gateway Service	X	X	The Application Layer Gateway service in Microsoft Windows provides support for third-party plugins that allow network protocols to pass through the Windows Firewall and work behind it and Internet Connection Sharing. BDESVC hosts the BitLocker Drive Encryption service. BitLocker Drive Encryption provides secure startup for the operating system, as well as full volume encryption for OS, fixed or removable volumes. This service allows BitLocker to prompt users for various actions related to their volumes when mounted, and unlocks volumes automatically without user interaction. Additionally, it stores recovery information to Active Directory, if available, and, if necessary, ensures the most recent recovery certificates are used. Stopping or disabling the service would prevent users from leveraging this functionality.
BitLocker Drive Encryption Service	NA	X	Bluetooth Audio Gateway Service is a Win32 service. In Windows 10 it is starting only if the user, an application or another service starts it. When the Bluetooth Audio Gateway Service is started, it is running as NT AUTHORITY\LocalService in a shared process of svchost.exe along with other services. If Bluetooth Audio Gateway Service fails to start, the failure details are being recorded into Event Log. Then Windows 10 will start up and notify the user that the BTAGService service has failed to start due to the error.
Bluetooth Audio Gateway Service	X	X	This is Audio Video Control Transport Protocol service. Disable it if you do not use Bluetooth Audio Device or Wireless Headphones.
AVCTP service	X	X	The Offline Files service performs maintenance activities on the Offline Files cache, responds to user logon and logoff events, implements the internals of the public API, and dispatches interesting events to those interested in Offline Files activities and changes in cache state.
Offline Files	X	X	The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X authentication on Ethernet interfaces. If your current wired network deployment enforces 802.1X authentication, the DOT3SVC service should be configured to run for establishing Layer 2 connectivity and/or providing access to network resources. Wired networks that do not enforce 802.1X authentication are unaffected by the DOT3SVC service.
Wired LAN Config	X	X	The Diagnostic System Host is used by the Diagnostic Policy Service to host diagnostics that need to run in a Local System context. If this service is stopped, any diagnostics that depend on it will no longer function.
Diagnostic System Host	X	X	Disables Feedback, Telemetry and Data Collection
Connected User Experiences and Telemetry	X	X	The Encrypting File System (EFS) on Microsoft Windows is a feature introduced in version 3.0 of NTFS[1] that provides filesystem-level encryption. The technology enables files to be transparently encrypted to protect confidential data from attackers with physical access to the computer.
Encrypting File System (EFS)	X	X	Delayed start as MS recommends
Function Discovery Resource Publication	X	X	Disable it if you do not use BitLocker storage encryption.
Downloaded Maps Manager	X	X	

SSDP Discovery	X	X	The Simple Service Discovery Protocol (SSDP) is a network protocol based on the Internet protocol suite for advertisement and discovery of network services and presence information. It accomplishes this without assistance of server-based configuration mechanisms, such as Dynamic Host Configuration Protocol (DHCP) or Domain Name System (DNS), and without special static configuration of a network host. SSDP is the basis of the discovery protocol of Universal Plug and Play (UPnP) and is intended for use in residential or small office environments. Monitors various sensors in order to expose data and adapt to system and user state. If this service is stopped or disabled, the display brightness will not adapt to lighting conditions. Stopping this service may affect other system functionality and features as well.
Sensor Monitoring	X	X	
Internet Connection Sharing (ICS)	X	X	Depends on Application Layer Gateway Service. An old service that can be disabled The Shell Hardware Detection (ShellHWDetection) service monitors and provides notification for
Shell Hardware Detection	X	X	AutoPlay hardware events. AutoPlay is a feature that detects content such as pictures, music, or video files on a removable storage device.
Storage Service	X	X	Provides enabling services for storage settings and external storage expansion Superfetch maintains and improves system performance over time. Superfetch sits quietly in the background, constantly analyzing RAM usage patterns and learning what kinds of apps you run most often. Over time, Superfetch marks these apps as “frequently used” and preloads them into RAM ahead of time.
Disable Windows Superfetch	X	X	
Touch Keyboard and Handwriting Panel Service	X	X	Disable if you do not have a touch device The TAPI server (TAPISRV) is the central repository of telephony data on a user computer. This service process tracks local and remote telephony resources, applications registered to handle Assisted Telephony requests, and pending asynchronous functions, and it also enables a consistent interface with telephony service providers (TSPs). For more information and a diagram that illustrates the relationship of the TAPI Server to other components and an overview of their roles, see Microsoft Telephony Programming Model.
Telephony Service	X	X	
Disable Themes Service	X	X	Provides user experience theme management.
Windows Media Player Network Sharing	X	X	Shares Windows Media Player libraries to other networked players and media devices using Universal Plug and Play. The Windows Biometric Service manages all biometric devices, such as a fingerprint or face scanner, that works with Windows Hello.
Windows Biometric Service	X	X	The Windows biometric service gives client applications the ability to capture, compare, manipulate, and store biometric data without gaining direct access to any biometric hardware or samples. The service is hosted in a privileged SVCHOST process. The Diagnostic Policy Service enables problem detection, troubleshooting and resolution for Windows components on your Windows operating system. If this service is not running, diagnostics will no longer function.
Diagnostic Policy Service	X	X	

Windows Error Reporting	X	X	Disable if you don't want to save or send error reports
Bluetooth Support Service	X	X	Disable it if you do not use any Bluetooth device
Function Discovery Provider Host	X	X	Delayed start as MS recommends
GeoLocation Service	X	X	The device location setting enables certain Windows features such as auto-setting the time zone or Find my device to function properly. When the device location setting is enabled, the Microsoft location service will use a combination of global positioning service (GPS), nearby wireless access points, cell towers, and your IP address to determine your device's location. Depending on the capabilities of your device, your device's location can be determined with varying degrees of accuracy and may in some cases be determined precisely. Allows UPnP devices to be hosted on your computer. If this service is stopped, any hosted UPnP devices will stop functioning and no additional hosted devices can be added. If this service is disabled, any services that explicitly depend on it will fail to start.
UPnP Device Host	X	X	
Block Level Backup Engine Service	X	X	Block Level Backup Engine Service is used by Windows Backup to perform backup and recovery operations. If this service is stopped by a user, it may cause the currently running backup or recovery operation to fail.
Windows Insider Service	X	X	Disable it if you are not a part of the Windows Insider Program.
Microsoft Account Sign-in Assistant	X	X	Enables user sign-in through Microsoft account identity services. If this service is stopped, users will not be able to logon to the computer with their Microsoft account.
Windows Search	X	X	Provides content indexing, property caching, and search results for files, e-mail, and other content. BITS facilitates asynchronous, prioritised, and throttled transfer of files between machines using idle network bandwidth. It is most commonly used by recent versions of Windows Update, Microsoft Update, Windows Server Update Services, and System Center Configuration Manager to deliver software updates to clients, Microsoft's anti-virus scanner Microsoft Security Essentials (a later version of Windows Defender) to fetch signature updates, and is also used by Microsoft's instant messaging products to transfer files.
Background Intelligent Transfer Service (BITS)			
Interactive Services Detection	NA	X	Enables user notification of user input for interactive services, which enables access to dialogs created by interactive services when they appear. If this service is stopped, notifications of new interactive service dialogs will no longer function and there may no longer be access to interactive service dialogs. If this service is disabled, both notifications of and access to new interactive service dialogs will no longer function.
Retail Demo Service Xbox	NA	X	Showcase your new devices on the retail sales floor with a rich, engaging experience with the Windows Retail Demo Experience (RDX).
Live Auth Manager Xbox	NA	X	Services interacting with Xbox Live.
Xbox Live Networking Service	NA	X	Services interacting with Xbox Live.
Xbox Accessory Management Service	NA	X	Services interacting with Xbox Live.
Xbox Live Game Save	NA	X	Services interacting with Xbox Live.
Fax	NA	X	Enables you to send and receive faxes, utilizing fax resources available on your computer or on the network.

Windows Mobile Hotspot Service		X	Provides the ability to share a cellular data connection with another device. Windows 10 only
WWAN AutoConfig	NA	X	This service manages mobile broadband (GSM & CDMA) data card/embedded module adapters and connections by auto-configuring the networks. It is strongly recommended that this service be kept running for best user experience of mobile broadband devices.
Windows Update		X	Enables the detection, download, and installation of updates for Windows and other programs. If this service is disabled, users of your computer will not be able to use Windows Update or its automatic updating feature, and programs will not be able to use the Windows Update Agent (WUA) API.
WLAN AutoConfig	NA	X	The WLANSVC service provides the logic required to configure, discover, connect to, and disconnect from a wireless local area network (WLAN) as defined by IEEE 802.11 standards. It also contains the logic to turn your computer into a software access point so that other devices or computers can connect to your computer wirelessly using a WLAN adapter that can support this. Stopping or disabling the WLANSVC service will make all WLAN adapters on your computer inaccessible from the Windows networking UI. It is strongly recommended that you have the WLANSVC service running if your computer has a WLAN adapter.
Parental Controls	NA	X	Disables Parental Control feature which is not used in a VDI environment.
Optimize drives		X	Helps the computer run more efficiently by optimizing files on storage drives.
Volumetric Audio Compositor Service	NA	X	Hosts spatial analysis for Mixed Reality audio simulation.
Windows Connect Now - Config Registrar	NA	X	WCNCSVC hosts the Windows Connect Now Configuration, which is Microsoft's Implementation of Wireless Protected Setup (WPS) protocol. This is used to configure Wireless LAN settings for an Access Point (AP) or a Wireless Device. The service is started programmatically as needed.
Data Usage Service	NA	X	Network data usage, data limit, restrict background data, metered networks.
BranchCache	NA	X	This service caches network content from peers on the local subnet.
File History Service	NA	X	Disable it if you never use Windows Backup or System Restore
Service Infrared monitor service	NA	X	Disable it if you never use File transfer via infrared devices.
Microsoft Store Install Service	N/A		Provides infrastructure support for the Microsoft Store. This service is started on demand and if disabled then installations will not function properly.
			This service exists in Windows 10 only.

Windows Scheduled Tasks

- The target is to disable Windows Scheduler tasks.

Name	Type	Location	Default RDSH	Default VDI
Application Experience	Folder	\Microsoft\Windows\Application Experience\	X	X
BitLocker	Folder	\Microsoft\Windows\BitLocker\	X	X
UninstallDeviceTask	Task	\Microsoft\Windows\Bluetooth\	X	X
Chkdsk	Folder	\Microsoft\Windows\Chkdsk\		
Customer Experience Improvement Program	Folder	\Microsoft\Windows\Customer Experience Improvement Program\		
ScheduledDefrag	Task	\Microsoft\Windows\Defrag\	X	X
Diagnosis	Folder	\Microsoft\Windows\Diagnosis\		
DiskDiagnostic	Folder	\Microsoft\Windows\DiskDiagnostic\		
Siuf	Fodler	\Microsoft\Windows\Feedback\Siuf\		
Maps	Folder	\Microsoft\Windows\Maps\		
MNO Metadata Parser	Task	\Microsoft\Windows\Mobile Broadband Accounts\	X	X
GatherNetworkInfo	Task	\Microsoft\Windows\NetTrace\	X	X
Speech		\Microsoft\Windows\Speech\		
Sysmain	Folder	\Microsoft\Windows\Sysmain\	X	X
SR	Task	\Microsoft\Windows\SystemRestore\	X	X
Tpm-HASCertRetr	Task	\Microsoft\Windows\TPM\	X	X
Tpm-Maintenance	Task	\Microsoft\Windows\TPM\	X	X
Windows Defender	Folder	\Microsoft\Windows\Windows Defender\	X	X
QueueReporting	Task	\Microsoft\Windows\Windows Error Reporting\	X	X
UpdateLibrary	Task	\Microsoft\Windows\Windows Media Sharing\	X	X
Scheduled Start	Task	\Microsoft\Windows\WindowsUpdate\	X	X
sihpostreboot	Task	\Microsoft\Windows\WindowsUpdate\	X	X
CDSSync	Task	\Microsoft\Windows\WlanSvc\	X	X
NotificationTask	Task	\Microsoft\Windows\WwanSvc\	X	X
XblGameSaveTask	Task	\Microsoft\XblGameSave\	X	X
Office	Folder	\Microsoft\Office\	X	X
DirectX	Folder	Microsoft\OneCore\	X	X

Windows advanced options

Menu name	Default RDSH	Default VDI	Description
Disable Hibernation	X	X	Hibernate is a power saving state designed primarily for laptops. It is not used in a VDI environment.
Disable Telemetry	X	X	By configuring this setting, you're not stopping people from changing their Telemetry Settings; however, you are stopping them from choosing

collection			a higher level than you've set for the organization.
			By default, the level is Security (0). Sends only a minimal amount of data to Microsoft, required to help keep Windows secure. Windows security components, such as the Malicious Software Removal Tool (MSRT) and Windows Defender may send data to Microsoft at this level, if enabled.
Disable System Restore	X	X	System Restore provides rollback capability that usually is not used in a VDI environment. Disabling system restore saves space.
Disable error reporting to send additional data	X	X	Error reporting services leveraged by Applications when they crash to send reports to Microsoft. If you need to use Windows Error Reporting within VDI consider you can send less data.
Disable Tiles	X	X	Live tiles is a good feature of Windows 8/8.1/10 but it consumes Internet bandwidth to update previews and notifications. Also many times this feature may disturb users when they are looking for something on Start Screen and suddenly a live tile changes its preview for social updates, etc.
Disable Cortana digital assistant	X	X	Cortana is a cloud-based digital assistant that works across your devices and other Microsoft services. Depending on the capabilities of your device and the version of Cortana you're using, Cortana can provide a range of features, some of which are personalized.
Turn off Microsoft consumer experience	X	X	This setting allows IT admins to turn off experiences that are typically for consumers only, such as Start suggestions, Membership notifications, Post-Oobe app install and redirect tiles.
Do not show Windows tips	X	X	By default, Windows 10 will occasionally show you notifications for helpful tips about using Windows 10. While some tips can be helpful, some suggestions may include advertising. You may not wish to see these notifications. Some people have also reported that they have sometimes experienced high CPU and memory usage caused by these tips notifications.
Remove Common program groups from the Start Menu	X	X	When a new user account is created, Windows uses the folder C:\Users\Default\AppData\Roaming\Microsoft\Windows\Start Menu\Programs as the template for its Start menu, adding the shortcuts stored in that folder to the user's personal profile. If you exclude shortcuts stored in the common user profile, a new user registered in your Windows 10 operating system will see only the Start menu shortcut from his or her personal profile folder.
Partial Start Menu layout			The easiest method for creating a customized Start layout to apply to other Windows 10 devices is to set up the Start screen on a test computer and then export the layout. After you export the layout, decide whether you want to apply a full Start layout or a partial Start layout. When a partial Start layout is applied, the contents of the specified tile groups cannot be changed, but users can move those groups, and can also create and customize their own groups.

Network performance

Component name	Default RDSH	Default VDI	Description
FileInfoCacheEntriesMax	32768	1024	Applies to Windows 10. The default is 64, with a valid range of 1 to 65536. This value is used to determine the amount of file metadata that can be cached by the client. Increasing the value can reduce network traffic and increase performance when many files are accessed. Try increasing this value to 1024.
DirectoryCacheEntriesMax	4096	1024	Applies to Windows 10. The default is 16, with a valid range of 1 to 4096. This value is used to determine the amount of directory information that can be cached by the client. Increasing the value can reduce network traffic and increase performance when large directories are accessed. Consider increasing this value to 1024 .
FileNotFoundCacheEntriesMax	32768	2048	Applies to Windows 10. The default is 128, with a valid range of 1 to 65536. This value is used to determine the amount of file name information that can be cached by the client. Increasing the value can reduce network traffic and increase performance when many file names are accessed. Consider increasing this value to 2048 .
DormantFileLimit	256	256	Applies to Windows 10. The default is 1023. This parameter specifies the maximum number of files that should be left open on a shared resource after the application has closed the file. Where many thousands of clients are connecting to SMB servers, consider reducing this value to 256 . Disable task offloading for the TCP/IP protocol:
DisableTaskOffload	X	X	0 - enables all of the task offloads. 1 - Disables the entire task offload from the TCP/IP transport.
Disable IPv6 Components	X	X	Applies to Windows 10.
Disable IPv6 to IPv4	X	X	Applies to Windows 10.
Disables isatap for IPv6	X	X	Applies to Windows 10.

Registry

- When an action is "Delete" the type and value is disabled.

Menu name	Default RDSH	Default VDI	Description
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Increase service startup timeouts	(milliseconds), 18000	(milliseconds), 18000	The service control manager waits for the time that is specified by the ServicesPipeTimeout entry before logging event 7000 or 7011. Services that depend on the Windows Trace Session Manager service may require more than 60 seconds to start. Therefore, increase the ServicesPipeTimeout value appropriately to give all the dependent services enough time to start.
Increase Disk I/O Timeout	(seconds), 200	(seconds), 200	This issue occurs when the responses from the storage array take longer than the guest VM OS expects to wait. The default disk timeout period in Windows is short to handle the longer delays that can occur in a SAN, NFS, or iSCSI environment, and a blue screen error is the result of exceeding this timeout.

Visual effects

Menu name	Default RDSH	Default VDI	Description
			System Properties Advanced tab Performance options Visual effects
Visual effects	(3) Custom	(3) Custom	0 - system managed (default) 1 - best appearance (VDI desktops or LAN RDSH) 2 - best performance (RDSH - WAN links and high latency) 3 - custom It allows Windows to animate buttons, scrollbars, taskbar icons and popup windows, start button, copy dialog, and more.
Animate controls and elements inside windows			Some examples of controls and elements animation are: • Slow fade effect of scrollbar arrows • Slow fade effect of buttons and tabs on dialog boxes • Cyclic pulsating effect on the default button By default, Windows will animate (fade and slide) windows when you minimize and maximize them.
Animate windows when minimizing and maximizing			If you don't like this animation, then you can disable it to have windows minimize and maximize instantly without any animation. By default, Windows 10 uses animations in the taskbar.
Animations in the taskbar			Some examples of taskbar animation are: • Slide effect when dragging icons on taskbar. • Fade and slide effect when opening taskbar thumbnail previews • Progress bar below icon on taskbar when downloading (ex: Chrome) or transferring files (ex: File Explorer)

Enable Peek			Peeks allows the user to take a sneak peek of a minimized application, document or any window you have open but are not focusing on.
Fade or slide menus into view			When it is on the drop-down menus fade in. When it is off the drop-down menus open quickly. Tooltips appear automatically, or pop up, when the user pauses the mouse pointer over a tool or some other UI element. The tooltip appears near the pointer and disappears when the user clicks a mouse button, moves the pointer away from the tool, or simply waits for a few seconds.
Fade or slide ToolTips into view			When the option is on the ToolTips fade in. When the option is off the ToolTips open quickly. When the option is on the menu item fade out on clicking. When the option is off the menu item disappear quickly on clicking. It's basically to have the taskbar thumbnail preview windows above the icon to be saved to a cache to help the image in the thumbnail preview load quicker. If you don't have it turned on, then the thumbnail preview is loaded fresh each time when you hover over a icon on the taskbar of an opened window instead of from the faster cache.
Fade out menu items after clicking			
Save taskbar thumbnail previews			It enables drop shadows for mouse pointer.
Show shadows under mouse pointer			It enables drop shadows for each window by default. However, you can turn these shadows off if you prefer. For example, Windows 8 didn't use shadows and had a clean, flat look with colored window borders.
Show shadows under windows			Thumbnails are reduced-size versions of pictures or videos. Thumbnails are used to help in recognizing and organizing items, serving the same role for images as a normal text index does for words.
Show thumbnails instead of icons			The translucent selection rectangle is the box the user sees on left click and hold followed by drag the pointer over items to select them on the left click release. When the translucent selection rectangle is turned off, the user will only see an outline selection rectangle instead.
Show translucent selection rectangle			Windows shows an outline border of a window the user is dragging instead of the contents of the window. This change improves the OS performance a bit, as the OS shouldn't redraw the full window image.
Show window contents while dragging			When Combo Boxes are enabled on Windows the visual effects are appended in drop down. It slows down the performance slight a bit.
Slide open combo boxes			Determines whether the edges of large fonts are painted in different shades of gray to make the font look smoother. When this feature is enabled, pressing the Page Down button won't just jump directly down one page. With smooth scrolling, it slides down smoothly, so the user can see how much it scrolls.
Smooth edges of screen fonts	X	X	Although it slows down the performance but the choppy scroll might be annoying for users who read a lot of long pages.
Smooth-scroll list boxes			

Use drop shadows
for icon labels on the
desktop

By default, Windows shows a drop shadow for each icon label
on the Desktop. These drop shadows are designed to make icon
names readable with both light and dark Desktop wallpapers.

Disk cleanup

Menu name	Default RDSH	Default VDI	Description
Cleanup redundant system files			Use this option to delete Windows Update files, Defender antivirus files, device driver packages, language resource files and files downloaded by programs.
Clean Up the WinSxS Folder			The Windows component store files are kept in WinSxS folder (c:\Windows\WinSxS). The Windows Component Store is used to support the functions needed for the customization and updating of Windows.
Cleanup temporary files and logs	X	X	Cleanup temporary files and logs
Remove OneDrive			Remove the OneDrive icon and app, turn off system icons, and delete downloaded updates.
Delete user profiles			Delete any unused profiles on the system.

Custom script

Menu name	Default RDSH	Default VDI	Description	Comment
Custom script			Use own script for optimization	A custom script should have the following extensions when browsing: ps1, cmd, bat, exe and all types