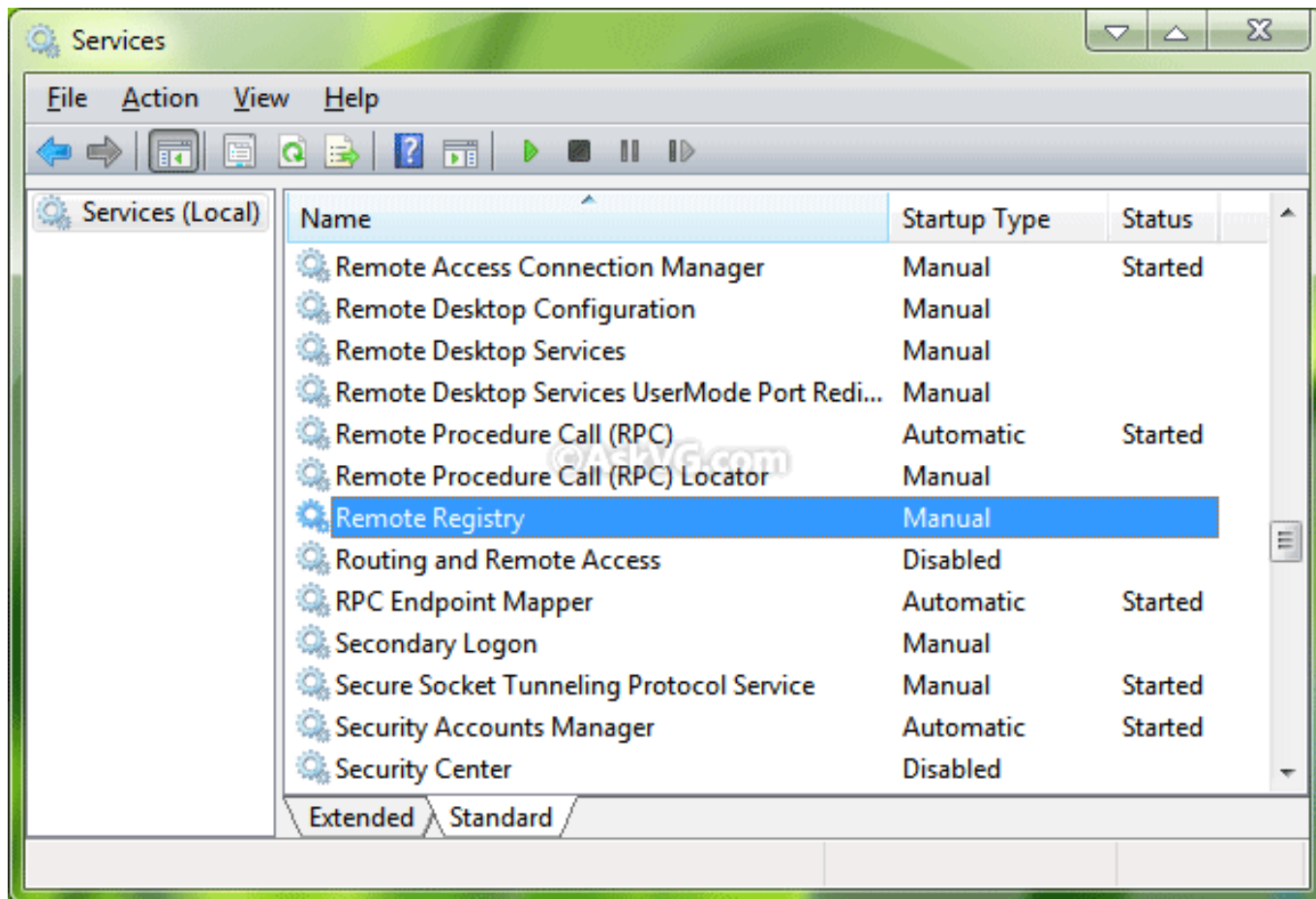# Installation: How to improve performance of Windows 7 deployed in {avatar_d}?

The easiest way to speed up Windows 7 is to shut down and disable non required services. We have compiled a list of services that can be safely disabled.

Note: Script to automate disabling all services mentioned in first table below and point 5,7,8 and 9 'other tweaks' can be downloaded from http://infracc-server/DisableServices.vbs

To disable these services:

1. Right-click on **Computer** icon on desktop and select **Manage**, it'll open a new window. Now go to **Services & Applications -> Services**. You can also open the same from **Administrative Tools ->Computer Management**. Or you can directly open "**Services**" list by providing **services.msc** command in RUN or Start Menu search box.

Name	Startup Type	Status
Remote Access Connection Manager	Manual	Started
Remote Desktop Configuration	Manual	
Remote Desktop Services	Manual	
Remote Desktop Services UserMode Port Redi...	Manual	
Remote Procedure Call (RPC)	Automatic	Started
Remote Procedure Call (RPC) Locator	Manual	
Remote Registry	Manual	
Routing and Remote Access	Disabled	
RPC Endpoint Mapper	Automatic	Started
Secondary Logon	Manual	
Secure Socket Tunneling Protocol Service	Manual	Started
Security Accounts Manager	Automatic	Started
Security Center	Disabled	

2. Now you can set the unnecessary services to DISABLED or MANUAL. Just double-click on any service and select the desired option in **Startup type** list box.

Here is a list of services that can be safely set to DISABLED

Sr.	Service Name	Description
1.	Windows Search	This service consumes a lot of CPU and writes a lot of data which might choke the network in RDP deployment. Data generated by this service also ends up using lots of disk space.
2.	Windows Update	In RDP environment, updates are pushed centrally by updating golden images
3.	Superfetch	Although superfetch on systems with individual hard disk makes sense, it will actually slow down the overall performance in RDP environment.

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4.		IP Helper	Many organizations haven't even started testing IPv6, much less fully deployed it. As indicated in the service description, the IP Helper service is leveraged in IPv4-to-IPv6 transitions.
5.		Network Access Protection Agent	If you're not doing network-based remediation or if you're doing remediation with a third-party tool that doesn't leverage the NAP client, this service can be disabled.
6.		Parental Controls	This service is a stub for Windows Parental Control functionality that existed in Vista. It is provided for backward compatibility only.Corporate networks rarely used Vista's Parental Control functionality. Further, this is a legacy service from Windows Vista.
7.		Smart Card	If your organization does not use smart cards for authentication purposes, you can safely disable this service.
8.		Smart Card Removal Policy	Same as above
9.		Windows Media Center Receiver Service	In most corporate environments, TV and FM broadcast reception on desktop computers is not considered a "business critical" item that needs support, and it's often not allowed anyway. You can disable this service to save some resources.
10.		Windows Media Center Scheduler Service	Same as above
11.		Fax	If your organization is not using a network-based faxing service, disabling this service will have no business impact.
12.		Tablet PC Input Service	The vast majority of PCs that are deployed to users do not have hardware that can leverage tablet-like capability. This service simply uses system resources with no possible benefit.
13.		Background Intelligent Transfer Service	This service is used by windows to download updates. Since we have disabled updates, this service can be disabled

Other tweaks:

Sr.		Tweak	Procedure
1.		Limit size of windows event logs	1.open "**Edit group policy**" application by provid... search box 2.on the left side bar navigate to **Computer Con...Templates\Windows Components\Event Lo...** 3.you will find four subfolders namely Application... 4.click on each of the folders in turn and do the... 1.double click on Maximum 2.in the new window that jus...button 3.make sure the value of Ma...1024 4.press OK 5.double click on Retain Old... 6.in the new window that jus...button 7.press OK
2.		Disable startup and recovery logging	1.Right-click My Computer. 2.Select Properties > Advanced System Setting... 3.Select startup & recovery -> settings -> system 4.Uncheck write an event to the system log and
3.		Improve performance tuning	1.Click start- Right click on "Computer"- Click "P... 2.Click "Advanced System settings" from left ba... 3.In popup window select "Advanced" Tab 4.Click "Settings" in "Performance" sectionvisua...performance from control panel -> programs -... 5.Turn windows features on/off and uncheck : 1.remote differential compre... 2.tablet pc components
4.		Turn off periodic defrag	1.Open the properties for the C:\ drive 2.Select the Tools tab 3.Click Defragment now to display the Disk Defr... 4.Click Configure schedule 5.Clear the Run on a schedule checkbox
5.		Disable System Restore	1.Open Control Panel, switch to all items view a... 2.In the next window click on the System Protec... 3.The System Properties dialog box opens wher...system disc and click the Configure button 4.Under Restore Settings select "Turn off syste...

6.	Disable Drive Indexing	1.Open up Computer in the Start menu 2.Right-click your drive and select Properties 3.Uncheck the box marked "Allow files on this d... addition to file properties" 4.A pop-up screen may appear, stating there is ... is normal. You should select "Ignore All" and c...
7.	Disable Hibernation	1.In the Start menu search box, type "cmd" with... 2.Right-click the cmd program and select Run a... 3.In the command line, type "powercfg -h off", a... 4.Once completed, the command prompt returns...
8.	Disable Prefetch and SuperFetch	1.Type regedit into the Start menu's Search box 2.Select the file path 3.Right-click on both EnablePrefetcher and Ena... Select Modify on each of these to change the ...
9.	Ntfs Disable Last Access Update	1.Type regedit into the Start menu's Search box 2. Select the file path **HKEY_LOCAL_MACHINE\SYSTEM\Current...** 3.Right-click on NtfsDisableLastAccessUpdate a... 00000001
10.	Disable readyboot.etl	1.Click start, click control panel 2.Click administrative tools, performance monito... 3.Expand left side tree entry for Data Collection 4.Highlight Startup Event Trace Sessions 5.Open the ReadyBoot line (double click it) 6.Click on trace session tab and uncheck "enab...
11.	Disable paging **NOTE:** paging can't be disabled if memory is less then 2GB	1. Click on **Start** go , right click on it a **properly** 2. In System dialog link "**System prot** 3. In System protect box, click on **Adv** in that click on **Se** button in performa 4. It will open new d "**Performance Op** same click on **Ad** 5. Click on **Change.** "**Virtual memory** 6. Here **uncheck** of "**Automatcally m paging file size f devices**" and sele **paging file**" ra and then click on 7. It will display warr box, click **Yes**. the

URL: http://support.colama.net/faqs/index.php?action=artikel&cat=24&id=112&artlang=en

Restart the machine after applying above tweaks.

Unique solution ID: #1111
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