Task Manager for Windows 2008 Server

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Start the Task Manager

To open the Task Manager, we can press Ctrl - Alt – Del and the desktop will turn blue and there will be five choices.

- Lock this Computer
- Switch User
- Log Off
- Change a Password
- Start Task Manager

We need to click on the Start Task Manager hyperlink to open the dialogue box. There is a Cancel button if we wish to return to the desktop. Lock this Computer Switch User Log Off Change a Password Start Task Manager

Application Tab

The first tab we will see on the Windows Task Manager is the Applications Tab. All software applications that are running will be in the list. If a program is not functioning, it will state "not responding" instead of running. If we wish to stop a program, we highlight the task and push the End Task button. To switch to a different application, we select the program task and press the Switch To button.



New Task Button

To start a new application task, we select the New Task command button and we can type the name of the program. In our example, we will input "calc" on the Open textbox and push the OK button. The Windows Calculator will open.

👰 Windows Task Manager										
<u>File Options View Windows Help</u>										
Applications Processes Services Performance Networking Users										
Task 🔺	Status									
Calculator	Running									
Server Manager	Running									
🚱 task - Search Results in 2012DISK (E:)	Running									
P Task Manager for Windows Server 2008 - Micros	Running									
End Task Switch To	New Task									
Processes: 40 CDI I Jeage: 3% Physical Memory: 52%										



Processes Tab

The second tab shows a list of processes, the user running them, CPU, memory allocation and the description of the ones running. At the bottom of the window, we can see the total number of processes running, and CPU and physical memory usage by percentage. If we end a process, we choose the item and then we pick the End Process button. The process will stop immediately so we could lose the data if we did not save before stopping it.

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<u>F</u> ile	Options <u>V</u> iew <u>H</u> elp	D					
Applications Processes Services Performance Networking Users							
	Image Name	User Name	CPU	Me 🔻	Description	<u> </u>	
	mmc.exe	Administ	00	163,572 K	Microsoft Management Console		
	svchost.exe	SYSTEM	00	71,280 K	Host Process for Windows Services		
	dns.exe	SYSTEM	00	44,804 K	Domain Name System (DNS) Server		
	POWERPNT.EXE *32	Administ	00	20,844 K	Microsoft PowerPoint		
	explorer.exe	Administ	00	20,552 K	Windows Explorer		
	System	SYSTEM	00	18,340 K	NT Kernel & System		
	sass.exe	SYSTEM	00	15,768 K	Local Security Authority Process		
	dfsrs.exe	SYSTEM	00	9,896 K	Distributed File System Replication		
	svchost.exe	NETWO	00	9,388 K	Host Process for Windows Services		
	svchost.exe	LOCAL	00	8,992 K	Host Process for Windows Services		
	svchost.exe	LOCAL	00	8,820 K	Host Process for Windows Services		
	iashost.exe	NETWO	00	7,972 K	IAS Host		
	SearchIndexer.exe	SYSTEM	00	6,988 K	Microsoft Windows Search Indexer		
	SLsvc.exe	NETWO	00	6,916 K	Microsoft Software Licensing Service		
	spoolsv.exe	SYSTEM	00	6,556 K	Spooler SubSystem App	-	
	•				>		
☑ Show processes from all users End Process							
rocesses: 48 CPU Usage: 2% Physical Memory: 53%							

Services Tab

Computers also are running services such as W32time. These tasks are providing functionality to the overall computer system such as keeping time with a server. We can see what services are running or stopped. We should only start or stop a service generally if we are following directions when adding or removing a program. The instructions asking for this level of management are usually written by Microsoft.

Windows Task Manager								
ile <u>O</u> ptions <u>V</u> iew <u>H</u> elp								
Applications Processes Services Performance Networking Users								
	Name	PID	Description	S., 🔺 👘	Group	<u> </u>		
	SamSs	584	Security Ac	Running				
	NTDS	584	Active Dire	Running				
	Netlogon	584	Netlogon	Running				
	kdc	584	Kerberos K	Running				
	PlugPlay	812	Plug and Play	Running	DcomLaunch			
	DcomLaunch	812	DCOM Serv	Running	DcomLaunch			
	W32Time	392	Windows Time	Running	LocalService			
	SstpSvc	392	Secure Soc	Running	LocalService			
	nsi	392	Network St	Running	LocalService			
	netprofm	392	Network Lis	Running	LocalService			
	LanmanWor	392	Workstation	Running	LocalService			
	FDResPub	392	Function Di	Running	LocalService			
	EventSystem	392	COM+Eve	Running	LocalService			
	FontCache	2408	Windows F	Running	LocalServic			
	Imhosts	956	TCP/IP Net	Running	LocalServic			
	EventLoa	956	Windows E	Runnina	LocalServic	<u> </u>		
						Services		
					_			
roce	ocesses: 48 CPULIsage: 0% Physical Memory: 54%							

Services Tab

We can press the Services button on the Services tab to launch the same Services window that would be opened using Computer Management and Administrative Tools.

🖏 Services						IX	
<u>File Action Vi</u> ew <u>H</u> elp							
🗢 🔿 📊 🙆 📴 🚺 🖬 🕨 🖉 💷 💷 🕪							
Services (Local)	Description	Status	Startup Type	Log On As			
	Active Directory Do	AD DS Dom	Started	Automatic	Local System		
	Application Experie	Processes	Started	Automatic	Local System		
	Application Informa	Facilitates		Manual	Local System		
	Application Layer G	Provides s	Started	Manual	Local Service		
	Application Manage	Processes i		Manual	Local System		
	🔍 Background Intellig	Transfers f	Started	Automatic (D	Local System		
	🔍 Base Filtering Engine	The Base F	Started	Automatic	Local Service		
	🔍 Certificate Propaga	Propagate		Manual	Local System		
	🔍 CNG Key Isolation	The CNG k		Manual	Local System		
	🔍 COM+ Event System	Supports S	Started	Automatic	Local Service		
	COM+ System Appl	Manages t		Manual	Local System		
	Computer Browser	Maintains a		Disabled	Local System		
	Cryptographic Serv	Provides fo	Started	Automatic	Network S		
	DCOM Server Proc	Provides la	Started	Automatic	Local System		
	Cesktop Window M	Provides D	Started	Automatic	Local System		
	C DFS Namespace	Integrates	Started	Automatic	Local System		
	Contraction Contraction	Enables yo	Started	Automatic	Local System		
	Chent DHCP Client	Registers a	Started	Automatic	Local Service		
	CHCP Server	Performs T		Disabled	Local System		
	Diagnostic Policy Se	The Diagnostic	Policy Servic	e enables problem	detection, troub	lesho	
	Diagnostic Service	The Diagno		Manual	Local Service		
	Diagnostic System	The Diagno	Started	Manual	Local System		
	🔍 Distributed Link Tra	Maintains li		Manual	Local System		
	🔍 Distributed Transac	Coordinate	Started	Automatic (D	Network S		
	DNS Client	The DNS Cl	Started	Automatic	Network S		
	Contract DNS Server	Enables DN	Started	Automatic	Local System		
	Extensible Authenti	The Extens		Manual	Local System	•	
7	Extended Standard						

Performance Tab

The next tab is Performance. Here we see the CPU and memory usage.



Resource Monitor

We select the Resource Monitor button and we can see the four graphs showing the CPU usage, Disk I/O, Network I/O and Memory Faults per second.



Networking Tab

Next, we choose the Networking tab. We can see that we have a 100 Megabit per second network connection. The bump in the graph rises to about 1% of the data transfer capability.



Users Tab

The final label is designed for Users. Presently we only have one user named Administrator. The user is Active. If we highlight a user and disconnect them or log them off our system, they could lose data.

File Options View H	ager elp			<u>_ [] ×</u>		
Applications Processes Services Performance Networking Users						
User 🔺	ID Status	Client Name Se	ession			
	1 ALUVE		JIISUIC			
	Discon	nect Logoff	Send	Message		
Processes: 47 CPU U	Jsage: 0%	Physical Memory: 56	5%			