

5 - Resource Monitor

Task 6 Resource Monitor

We're continuing with Tools that are available through the **System Configuration** panel.

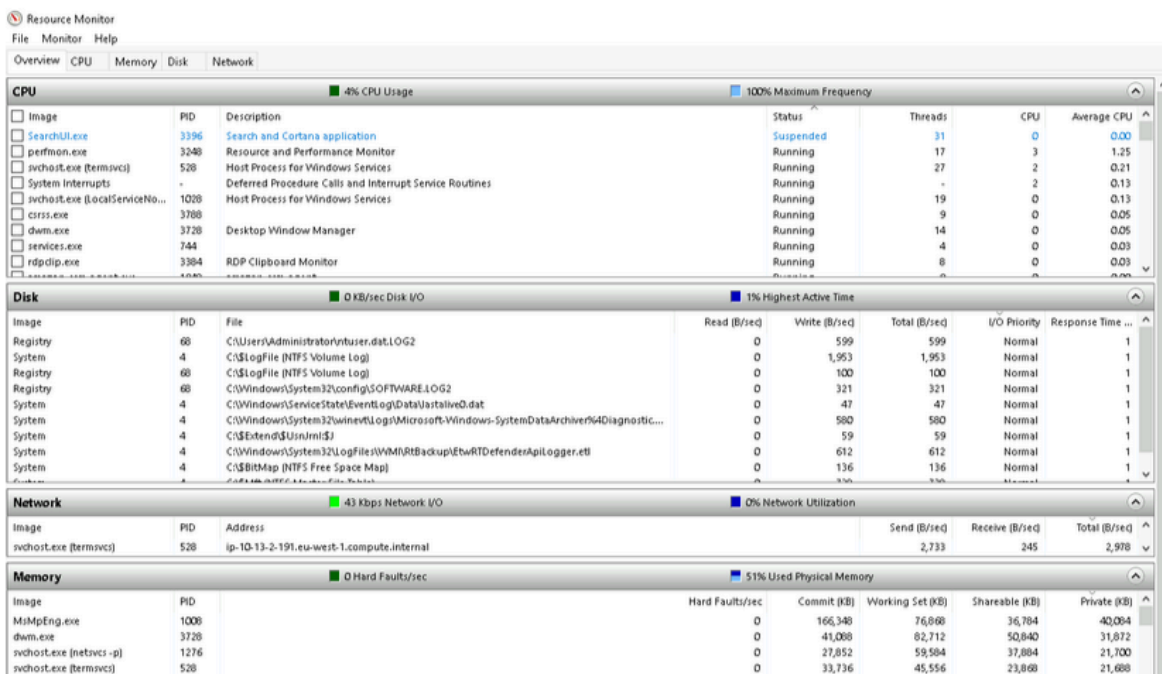
What is **Resource Monitor** (**resmon**)?

Per Microsoft, "Resource Monitor displays per-process and aggregate CPU, memory, disk, and network usage information, in addition to providing details about which processes are using individual file handles and modules. Advanced filtering allows users to isolate the data related to one or more processes (either applications or services), start, stop, pause, and resume services, and close unresponsive applications from the user interface. It also includes a process analysis feature that can help identify deadlocked processes and file locking conflicts so that the user can attempt to resolve the conflict instead of closing an application and potentially losing data."

As some of the other tools mentioned in this room, this utility is geared primarily to advanced users who need to perform advanced troubleshooting on the computer system.

In the Overview tab, Resmon has four sections:

- **CPU**
- **Disk**
- **Network**
- **Memory**



MsMpEng.exe	1008	0	166,348	76,868	36,784	40,064
dwm.exe	3728	0	41,068	82,712	50,840	31,872
svchost.exe (netvcs -p)	1276	0	27,852	59,584	37,884	21,700
svchost.exe (termvcs)	528	0	33,736	45,556	23,868	21,688
explorer.exe	1656	0	27,688	101,608	81,932	19,676
RuntimeBroker.exe	2784	0	21,232	37,320	20,132	17,188
perfmon.exe	3248	0	19,436	39,148	21,972	17,176
svchost.exe (utcsvc -p)	1928	0	17,612	32,960	17,560	15,400
dwm.exe	108	0	15,968	38,304	24,876	13,428

The same four sections have corresponding tabs across the top. See below.



Note that each tab has additional information for each. An image is shown below for each tab.

CPU

Overview CPU Memory Disk Network

Processes 2% CPU Usage 100% Maximum Frequency

Image	PID	Description	Status	Threads	CPU	Average CPU
SearchUI.exe	3396	Search and Cortana application	Suspended	31	0	0.00
perfmon.exe	3248	Resource and Performance Monitor	Running	16	0	2.39
svchost.exe (termvcs)	528	Host Process for Windows Services	Running	27	0	0.27
System Interrupts	-	Deferred Procedure Calls and Interrupt Service Routines	Running	-	0	0.10
svchost.exe (LocalServiceNo...)	1028	Host Process for Windows Services	Running	19	0	0.10
dwm.exe	3728	Desktop Window Manager	Running	14	0	0.08
svchost.exe (LocalServiceNet...)	1016	Host Process for Windows Services	Running	12	0	0.08
rdpclip.exe	3384	RDP Clipboard Monitor	Running	8	0	0.05
csrss.exe	3788		Running	9	0	0.05

Services 0% CPU Usage

Name	PID	Description	Status	Group	CPU	Average CPU
TermService	528	Remote Desktop Services	Running	termvcs	0	0.25
DPS	1028	Diagnostic Policy Service	Running	LocalServiceNo...	0	0.10
Dhcp	1016	DHCP Client	Running	LocalServiceNo...	0	0.10
Dnscache	1388	DNS Client	Running	NetworkService	0	0.08
AWSSiteAgent	1940	AWSSite Lite Guest Agent	Running		0	0.03
Schedule	1276	Task Scheduler	Running	netvcs	0	0.00
iphlpvc	1276	IP Helper	Running	NetSvc	0	0.00
DiagTrack	1928	Connected User Experiences and Telemetry	Running	utcsvc	0	0.00
WpnUserService_164fb1	2116	Windows Push Notifications User Service_164fb1	Running	UnistackSvcGr...	0	0.00

Associated Handles Search Handles

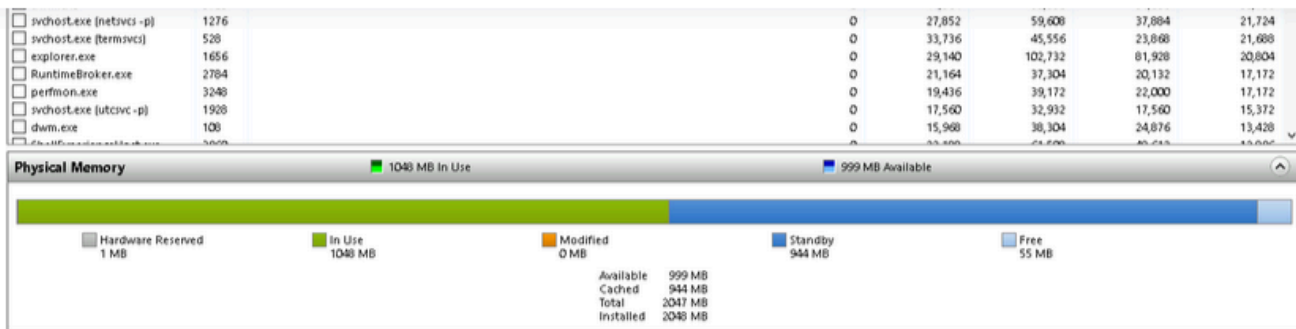
Associated Modules

Memory

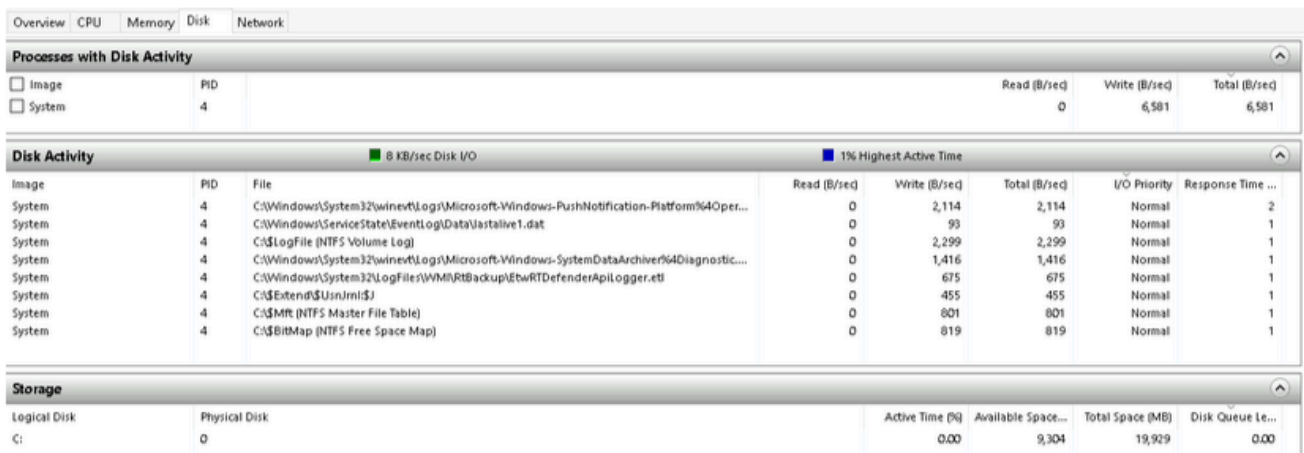
Overview CPU Memory Disk Network

Processes 51% Used Physical Memory

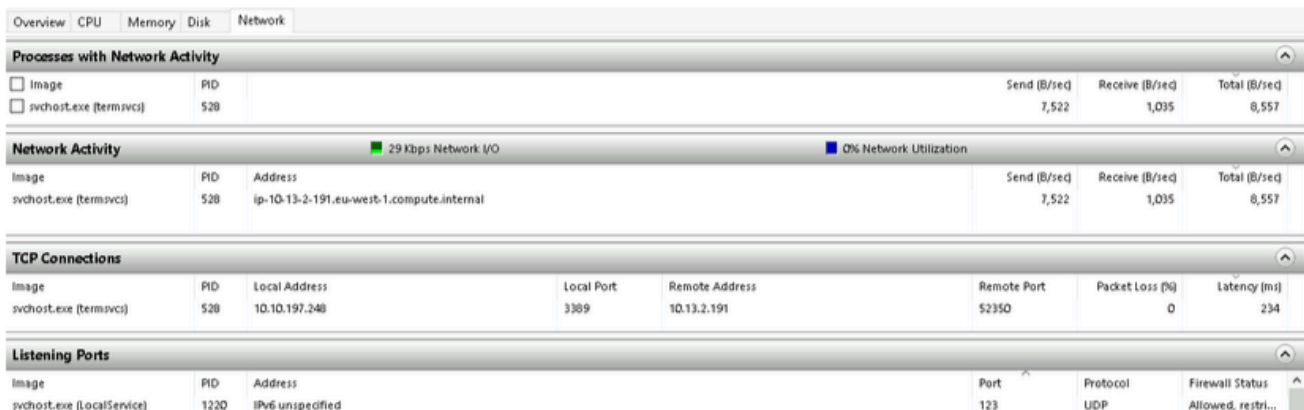
Image	PID	Hard Faults/sec	Commit (KB)	Working Set (KB)	Shareable (KB)	Private (KB)
MsMpEng.exe	1008	0	166,348	76,868	36,784	40,064
dwm.exe	3728	0	41,964	83,852	51,096	32,756
svchost.exe (netvcs -p)	1276	0	27,852	59,608	37,884	21,724
svchost.exe (termvcs)	528	0	33,736	45,556	23,868	21,688



Disk



Network



Although not captured in any of the images above, Resource Monitor has a pane at the far right. This pane shows a graphical view in real-time for each section.

Note: The information displayed in Resource Monitor will be different for you compared to the images above.

Answer the questions below

What is the command to open Resource Monitor? (The answer is the name of the .exe file, not the full path)

resmon.exe

✓ Correct Answer