IT Essentials 5.0

5.3.3.7 Lab - Monitor and Manage System Resources in Windows XP

Introduction

Print and complete this lab.

In this lab, you will use administrative tools to monitor and manage system resources.

Recommended Equipment

The following equipment is required for this exercise:

- A computer running Windows XP Professional
- Internet access

Step 1

You will explore what happens when a service is stopped then started.

Log on to Windows as an administrator.

Click Start > Control Panel > Administrative Tools > Computer Management > expand Services and Applications.

Select Services.

Expand the **Computer Management** window so you see the "Help and Support" service.

📑 File Acton View Window H 🗢 💼 💷 🛃 🔂 🚱	(T)						_1#1×
Computer Management (Local)	Services	ana Tanàna amin'ny fisiana	ten renist	1.000	resturne.	reasonal re-	
 Shared Folders tocal Users and Groups 	Help and Support	Name Cryptographic Servi	Description Provides th	Started	Startup Type Automatic	Log On As Local System	
· Performance Logs and Alerta	Stop the service	DCOM Server Proce	Provides lia	Started	Autometic	Local System	
Device Manager	Restart the service	DerWatch		Started	Automotic	Local System	
= 📷 Storage	Contract Art. A	CHCP Client	Manages n		Automatic	Local System	
🖲 💕 Revovable Storage	Description: Enables Help and Support Center to run	Distributed Link Tra	Mantains it	Started	Automatic	Local System	
Disk Defragmenter Disk Management	on this computer. If this service is	Costributed Transac	Coordinate	2012	Manual	Network 5	
Services and Applications	stopped, Help and Support Center voll be unavailable. If this service is disabled.	Struct Reporting Ser	Resolves a		Automatic	Notwork 5	
Services	any services that explicitly depend on it.	Stventing Ser	Enables av.		Automatic	Local System	
WHI Control	will fiel to start.	Pact User Switching	and the second second	Started	Marcial	Local System	
\Xi 🎒 Indexing Service		Web wid Support	Enible: He	Stated	Automatic	Local System	
CALLER TO SOURCE FOR COL		Service 12			Autometic	Local System	
		CHITTP SSL	This servic		Manual	Local System	
		BINAPI CD-Burning C	Manages C		Manual	Local System	
		SIndexing Service	Indexes co		Manual	Local System	
		BIPSEC Services	Manages L		Automatic	Local System	
		Slava Quick Starter	Prefetches	C. C. C. C. C. C.	Automatic	Local System	
		SLogical Disk Manager	Detects an	Started	Automatic	Local System	
		Logical Disk Manage			Manual	Local System	
		Meiserajer	Transmits		Disabled	Local System	
		Microsoft Office Dia			Manual Manual	Local System Local Service	
		45 MG Software Shado			Manual	Local System	
		Pallet Logon	Supports p		Hanual	Local System	
		Palvet, Top Port Sharih			Disabled	Local Service	
		SelvetMeeting Renote			Manual	Local System	5

What is the Status of the service?

Right-click the Help and Support service > Properties.

The "Help and Support Properties (Local Computer)" window opens.

name:	helpsvc				
name:	Help and S	Support			
ion:					* *
executabl	e:				
DOWS\S	ystem32\sv	chost.exe	k netsvos		
ype:	Automatic	5			~
status:	Started				;
art	Stop		Pause	Resun	ne
specify t e.	he start para	rw ameters tha	t apply when	you start the se	rvice
ameters:					
	name: on: executabl DOWS\S ype: status: art specify th	ame: Help and 3 on: Enables H computer. wecutable: DOWS\System32\sv ype: Automatic status: Started art Stor specify the start para a.	Aame: Help and Support on: Enables Help and Su computer. If this serv executable: DOWS\System32\svchost.exe ype: Automatic status: Started art Stop specify the start parameters that	Aame: Help and Support on: Enables Help and Support Center computer. If this service is stopped executable: DOWS\System32\svchost.exe -k netsvcs ype: Automatic status: Started art Stop Pause specify the start parameters that apply when a	Aame: Help and Support on: Enables Help and Support Center to run on this computer. If this service is stopped, Help and executable: DOWS\System32\svchost.exe -k netsvcs ype: Automatic status: Started art Stop Pause Resur specify the start parameters that apply when you start the se

Click Stop.

Note: The reason this service will be stopped is so you can easily see the results. When stopping a service, to free up system resources the service uses, it is important to understand how the overall system operation will be affected.

ieneral	Log On	Recovery	Depender	icies		
Service	e name:	helpsvc				
Display	name:	Help and S	Support			
Descrip	otion:			port Center to e is stopped,		<
Path to	executab	le:				
C:\WI	NDOWS\9	iystem32\sv	chost.exe -k	netsvos		
Startup	i type:	Disabled				~
Service	e status:	Stopped				
	Start	Stop		Pause	Resu	me
from he		he start para	meters that	apply when y	ou start the se	ervice
		1				

When the Service Control window closes, set the Startup type field to **Disabled**, and then click **Apply**.

Click Start > Help and Support.



The "Help and Support Error" window opens.

Help and Support Error	
Windows cannot open Help and Support because a system service is not r To fix this problem, start the service named 'Help and Support'.	unning.
OK	

Why will Help and Support not start?

What must be done to correct the error?

Click OK.

What steps must be followed to start the Help and Support service?

Next, you will start up the Help and Support service.

1		Window Help rt Prispertins (Local Camputer)	? X	a						- 0
	A REAL PROPERTY AND A REAL	Recovery Dependencies	Con Lo	ľ						
1	Service name	hulpove		P	Note /	Description	Status	Startup Type	Log On As	
1	Diple name	Help and Support			Background Intellig	Transfers	Started	Manual	Local System	
e	Contrast Index				Ciptook	Enables Cl		Ceabled	Local System	
	Desception	Enables Help and Support Center to run on th computer. If this service is stopped, Help and	n e		COM+ Event System		Started	Manual	Local System	
L		composer o mis service a support rise and			COMH System Appli			Manual	Local System	
	Fath to executab	-			Computer Browser	Maintains a		Automatic	Local System	
L		Suten 32 unchest exer-4 metaves	-	I.	Cryptographic Servi			Automatic	Local System	
I		and the second second second second		Þ	DCON Server Proce	PTDVKRI M	Started	Automatic	Local System	
ч	Statup type	Automotic	N.		DefWatch	W880700000000	Started	Automatic	Local System	
	analysis (see	investige:	101		Control of the training of the	Manages n	Started	Automatic Automatic	Local System Local System	
					Dotributed framac		started	Automatic -	Matwork 5	
Ľ	Service status	Stated			Both Gent	Resolves a	Same	Automatic	Metwork 5	
	CHIPPEN STREET				Envir Reporting Ser			Jutonatic	Local System	
	20at	Stop Press Pla	ini ini		SEvent Log	Enables ev		Automatic	Local System	
		in the second seco			Fast User Switching		Started	Matural	Local System	
	You can specify! from here	the start parameters that apply when you start the	E SETVICE		Sheep and Support	Englies im	Started	Automatic	Local System	
Ш	Internet.				RevelD Input Service	Enables ge	and the second second	Automatic	Local System	
Ш	That press eren				CHITTP STL	This servic	232524	Manual	Local System	
					BHAH CD-Burning C	Menages C		Nerviel	Local System	
U			-		Indexing Service	Indexes co		Manual	Local System	
		OK . Cancel	Apple		PSEC Services	Manages 1	Started	Automatic	Local System	
					Sava Quick Starter	Prefetzhes	Started	Automatic	Local System	

Set "Startup type" to Automatic, and then click OK.

Click Start > Help and Support.

Did the Help and Support Center window appear?

Close the "Help and Support Center" window.

Make sure the Computer Management window is open.

Expand Event Viewer, and then select System.

Double-click the most recent Error event. Error events are displayed as a white X in a red circle icon.

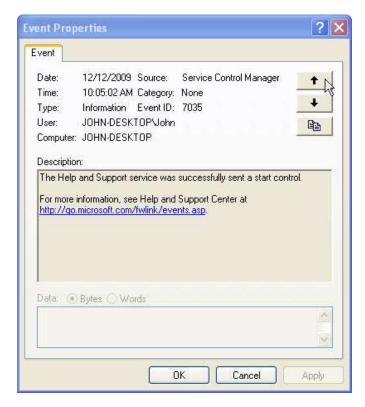
1111 - 2000 - Contractor - 1100	lelp							_ 8
	?			1		100		
Computer Management (Local) 🛛 📉	Туре	Date	Time	Source	Category	Event	User	
🕵 System Tools	Information	12/12/2009	10:05:02	Service Control Manager	None	7036	N/A	
E 🔝 Event Viewer	Information	12/12/2009	10:05:02	Service Control Manager	None	7035	John	
Application	SError	12/12/2009	9:56:31 AM	DCOM	None	10005	John	
Internet Explorer	(1) Information	12/12/2009	9:47:43 AM	Service Control Manager	None	7036	N/A	
Microsoft Office Diag	Information	12/12/2009	9:47:43 AM	Service Control Manager	None	7035	John	
Security	(Information	12/12/2009	9:46:10 AM	Service Control Manager	None	7036	N/A	
System	(Information	12/12/2009	9:46:10 AM	Service Control Manager	None	7035	John	
	(Information	12/12/2009	9:46:06 AM	Service Control Manager	None	7036	N/A	
E Sharod Folders	Information	12/12/2009	9:46:06 AM	Service Control Manager	None	7035	John	
🛨 🙀 Performance Logs and Al	Information	12/12/2009	9:46:03 AM	Service Control Manager	None	7036	N/A	
Device Manager	Information	12/12/2009	9:46:03 AM	Service Control Manager	None	7035	John	
	<						11	>

The "Event Properties" window opens.

ent Pro	perties			?
Event				
Date:	12/12/2009	Source:	DCOM	1 N
Time:	9:56:31 AM	Category:	None	
Туре:	Error	Event ID:	10005	•
User:	JOHN-DESK	TOP\John		Ē.
Compute	r: JOHN-DESK	TOP		
Descripti	633			
disabled		as no enabl	ed devices associa	ated with it. "
disabled attempti the serv {833E40	l or because it h ng to start the se er: 010-AFF7-4AC3-	as no enabl ervice helps AAC2-9F24	ed devices associa vc with arguments C1457BCE}	ated with it. "
disabled attempti the serv {833E40	l or because it h ng to start the se er: 010-AFF7-4AC3-	as no enabl ervice helps AAC2-9F24 e Help and	ed devices associa vc with arguments C1457BCE} Support Center at	ated with it. "
disabled attempti the serv {833E40	l or because it h ng to start the se er: 010-AFF7-4AC3- e information, se	as no enabl ervice helps AAC2-9F24 e Help and	ed devices associa vc with arguments C1457BCE} Support Center at	ated with it. "
disabled attempti the serv {833E40 For more <u>http://g</u>	for because it h ng to start the se er: 010-AFF7-4AC3- e information, se o.microsoft.com,	as no enab ervice helps AAC2-9F24 e Help and /fwlink/eve	ed devices associa vc with arguments C1457BCE} Support Center at	ated with it. "
disabled attempti the serv {833E40 For more <u>http://g</u>	l or because it h ng to start the se er: 010-AFF7-4AC3- e information, se	as no enab ervice helps AAC2-9F24 e Help and /fwlink/eve	ed devices associa vc with arguments C1457BCE} Support Center at	ated with it. "
disabled attempti the serv (833E40 For more <u>http://g</u>	for because it h ng to start the se er: 010-AFF7-4AC3- e information, se o.microsoft.com,	as no enab ervice helps AAC2-9F24 e Help and /fwlink/eve	ed devices associa vc with arguments C1457BCE} Support Center at	ated with it. "
disabled attempti the serv {833E40 For more <u>http://g</u>	for because it h ng to start the se er: 010-AFF7-4AC3- e information, se o.microsoft.com,	as no enab ervice helps AAC2-9F24 e Help and /fwlink/eve	ed devices associa vc with arguments C1457BCE} Support Center at	ated with it. "
disabled attempti the serv {833E40 For more <u>http://g</u>	for because it h ng to start the se er: 010-AFF7-4AC3- e information, se o.microsoft.com,	as no enab ervice helps AAC2-9F24 e Help and /fwlink/eve	ed devices associa vc with arguments C1457BCE} Support Center at	ated with it. "

Why was helpsvc not started?

Click the up arrow button.



What has happened to the Help and Support service?

Click the up arrow button.

vent Pro	perties		?
Event			
97. 	12/12/2009 Source: 10:05:02 AM Category: Information Event ID: N/A er: JOHN-DESKTOP		 ↑ ↓ ■
Descript The He	ion: Ip and Support service enter	red the running state.	
For more	e information, see Help and o.microsoft.com/fwlink/ever	Support Center at	
Data	Bytes 〇 Words		
D'UIU.	S pyres () words		4
			Y

What has happened to the Help and Support service?

Close all open windows.

Step 2

You will now monitor what happens when a service is stopped and started.

Click Start > Control Panel. Double-click the Network Connections icon.

states and the second s			-				
Back + 🔘 - 🏂 🔎	Search 🜔 Fol	ders	Polder	9улс			
🕞 Control Panel							1
Control Panel (8)	Accessbility Options	Radd Hardware	Add or Remov	Administrative Tools	Automatic Updates	Pate and Time	Sk Display
ee Also (8)	Folder Options	Fonts	Game Controllers	Indexing Options	Internet Options	Java	Seyboard
(y) Help and Support	Mal	Mouse	Netrore Commentions	Network Setup Wizard	Phone and Modern	Power Options	Printers and Paves
	Regional and Language	Scarrers and Caneras	Scheduled Tasks	Security Center	SoundMAX	Sounds and Audio Devices	Speech
	Symantec LiveUpdate	System	Taskbar and Start Menu	User Accounts	Windows CardSpace	Windows Pitewall	Wireless Network Set

The "Network Connection" window opens.



Reduce the size of the "Network Connections" window. Leave this window open.

Once again navigate to the "Control Panel" window by clicking **Start > Control Panel**. Double-click the **Administrative Tools** icon.

Edit Vew Pavorites		Help		1.1.1.1				
Back • 🜍 · 🍠	Ps	iearch 😥 Pol	ders 🛄 -	R Folder	Булс			
Control Panel								
Control Panel	۲	Accessibility	Add Hardware	Add or	Administrative	Autometic	Date and Time	Display
Switch to Category Wew		Options	eau naranars	Remov	Tools	Updates	Doctor and Table	endoral
11.12.11.1	100	1	1	-	Q Carl	figure administ	trative settings f	or your computer.
ee Also Windows Lipdate	8	Folder Options	Fonts	Gane Controllers	Indexing Options	Internet Options	Java	Keyboard
Help and Support		0			-	1	1	4
		Mail	Mouse	Network Connections	Network Setup Wizard	Phone and Modem	Power Options	Printers and Paxes
		۲	3	3	۲		Ø,	2
		Regional and Language	Scanners and Cameras	Scheduled Tasks	Security Center	SoundMAX	Sounds and Audio Devices	Speech
		P	3	2	92	1	6	1
		Symantec UveUpdate	System	Taskbar and Start Menu	User Accounts	Windows CardSpace	Windows Firewal	Wireless Network Set

The "Administrative Tools" window opens.

M Administrative Tools		
File Edit View Favorites Too	is Help	A
3 Back + 3 - 3 🔎	Search 🜔 Folders 🔃 • 😥 Folder Sync	
Address 40 Administrative Tools	She all'il a	💌 🔁 Ga
File and Folder Tasks	Source (ODBC) Source (ODBC)	Computer Management Shortoat 2 kB Event Viewer Shortoat 2 kB Microsoft .NET Franework I. I Configuration Shortoat
Cartral Panel Ny Documents Pared Documents Ny Computer Ny Natiwark Places	Services Sector 2 rg	
Performance Shortout Date Modified: Friday, June		

Double-click the **Performance** icon.

The "Performance" window opens.

🗊 File Action View Favorites	Window Help
⊢ → 🗈 📧 🔮	
] Console Root ☆ System Monitor Đ 鏚 Performance Logs and Alerts	
	20
	20 0 Last 0.000 Average 0.253 Minimum 0.000

Make sure the System Monitor in the left pane is highlighted.

Click the Freeze Display icon to stop the recording.

😿 Performance						•	
j File Action View Favorites ← → 主 📧 😰	Window	Help					_ <u>= = ×</u>
 Console Root System Monitor W Performance Logs and Alerts 	100 80 60 40 20		3) +>	< <mark>p</mark>	h 🔒 🕍	8 8
	Last		0.000 Average Maximum		0.000	Minimum Duration	0.000
	Color	Scale	Counter	Instance	Parent	Object	Computer
		- 1.000 - 100 - 1.000	Pages/sec Avg. Disk Qu % Processor			Memory Physic Proces	\\JOHN-DES \\JOHN-DES \\JOHN-DES

Click the **Clear Display** icon to clear the graph. Leave this window open.

Navigate to the "Administrative Tools" window by clicking **Start > Control Panel > Administrative Tools**. Double-click the **Services** icon.



Expand the width of the "Services" window so you have a clear view of the content.

File Action View	Help						
+ + 📧 🛱							
Services (Local)	Services (Local)						
	Routing and Remote Access	Name /	Description:	Status	Startup Type	Log On As	1
	and the second second second second	Cos RSVP	Provides n	Sector Sector	Manual	Local System	
	Description:	Renote Access Auto Conn	Creates a		Manual.	Local System	
	Offers routing services to businesses in local area and wide area network environments.	Renote Access Connectio	Creates a	Started	Monual	Local System	
		Renote Desktop Help Ses	Manages a		Mensal	Local System	
		Renote Procedure Cal (R	Provides th	Started	Autometic	Network S	
		Renote Procedure Call (R	Manages t,		Manual	Network S	
		Remote Registry	Enables re	Started	Automatic	Local Service	
		Removable Storage	and the second	contract.	Manual	Local System	
		Routing and Remote Access			Disabled	Local System	
			hiteagate 3		Automatic	Local System	
		Secondary Logon	Enables st	Started	Automatic	Local System	
		Security Accounts Manager	Stores sec	Started	Automatic	Local System	
		Security Center	Monitors s	Started	Automatic	Local System	
		Server .	Supports fil	Started	Autometic	Local System	
		Shell Hardware Detection	Provides n,	Started	Automatic	Local System	

Scroll down in the right pane until you see the service Routing and Remote Access.

Double-click Routing and Remote Access.

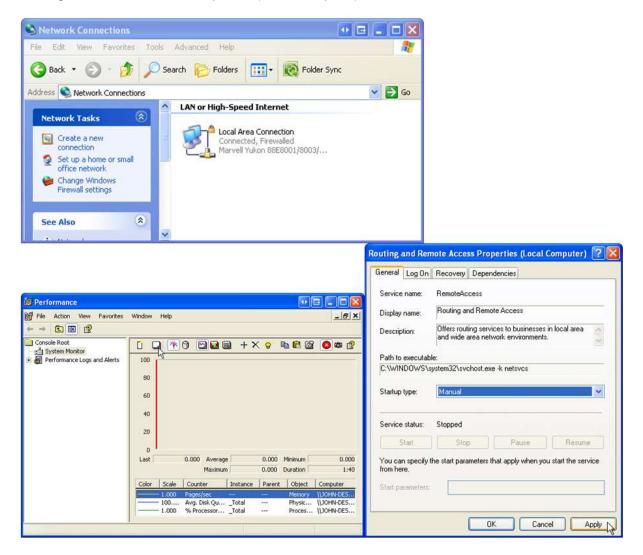
The "Routing and Remote Access Properties (Local Computer)" windows opens.

eneral	Log On	Recovery	Dependencies				
Service	name:	RemoteAc	ccess				
Display name:		Routing and Remote Access					
Descrip	tion:		ting services to businesses in local area 🔗 area network environments.				
Path to	executabl	e:					
C:\WIN	IDOWS\s	ystem32\sva	chost.exe -k netsvcs				
Startup	type:	Manual					
Service	status:	Stopped					
S	Start	Stop	p Pause Resume				
You ca	n specify t re.	he start para	ameters that apply when you start the service				

In the Startup type select Manual. Click Apply.

The Start button is now active; do not click the button yet. Leave this window open.

Position the following three windows so you can clearly see them at the same time: Network Connections, Routing and Remote Access Properties (Local Computer), and Performance.



Click the "Performance" window so it is activated. Click the Freeze Display icon to start the recording.

in Performance						•	3 . 🗆 🛛
ji File Action View Favorites ← → 主 📧 😭	Window	Help					_ # ×
Console Root ging System Monitor ∰ Performance Logs and Alerts	100 100 80 60 40 20 0 Last		0.000 Average Maximur		0.000 0.000	Minimum Duration	0.000
	Color	Scale	Counter	Instance	Parent	Object	Computer
		1.000 - 100 - 1.000	Pages/sec		() () () () () () () () () () () () () (Memory Physic	\\JOHN-DES

Click the "Routing and Remote Access Properties (Local Computer)" window so it is activated. To start the Service click **Start**.

A window with a progress bar opens.

Service Control	
Windows is attempting to start the following service on Local (Computer
Routing and Remote Access	
(****	
Close	

The "Routing and Remote Access Properties (Local Computer)" window now shows the Stop and Pause button active. Leave this window open.

ieneral	Log On	Recovery	Dependenci	es		
Service	name:	RemoteAc	cess			
Display	name:	Routing ar	nd Remote Ac	Cess		
Descrip	tion:		ting services to area network e		n local area	< >
Path to	executabl	le:				
C:\WIN	IDOWS\s	ystem32\svi	chost.exe -k ni	etsvos		
Startup	type:	Manual				~
Service	status:	Started				
5	itart	Stop	P] [Pause	Resume	
You ca from he		he start para	ameters that ap	ply when you	start the serv	ice

Click the "Network Connections" window so it is activated.

Network Consection		
FE LR New Factories for	Advanced Heat	20
3 East . 3 . 5 /	Search 💫 Folders 🔟 - 🧑 Folder Sync	
Address 🔍 Network Connections		× 🖸 👳
Network Tasks	 Incoming 	
Gente anex correction Siste co show or mail office retrieves	Incoming Connections	
Change Weidowe Previal settings	LAN or High-Speed Internet	
See Also (5)	Constad, Persolat Narvel Salan SEE2001(1)00001	
Other Places		
Control Payel Phy Network Planes Phy Decuments Phy Computer		
Details 8		
Network Connections System Folder	×	

What changes appear in the right pane, after starting the Routing and Remote Access service?

Click the "Routing and Remote Access Properties (Local Computer)" window so it is activated. Click Stop.

General	Log On	Recovery	Dependencies			
Service	e name:	RemoteAc	cess			
Display	name:	Routing ar	nd Remote Acce	SS		
Descrip	otion:	Offers routing services to businesses in local area and wide area network environments.				
Path to	executabl	e:				
C:\WIN	IDOWS\s	ystem32\svo	chost.exe -k net	sves		
Startup	type:	Manual				~
Service	e status:	Started				
5	Start	Stop		ause	Resume	
	n specify t	he start para	meters that app	y when you	start the serv	rice

Click the "Network Connections" window so it is activated.



What changes appear in the right pane, after stopping the Routing and Remote Access service?

Click the "Performance" window so it is activated. Click the Freeze Display icon to stop the recording.

Performance							8 - 0 2
🗑 File Action View Favorites ← → 🖻 🖬 😭	Window	Help					_181 ×
□ Console Root □ 3ystem Monitor ④ 擬 Performance Logs and Alerts	[] 100 80 60 40 20 0 Last		^ ^ ^ ^	+ >		a 😭 🎒	0.000
	Last	1	-	\$14 <u></u>		04 <u></u>	
			Maximur	n	2.000	Duration	1:40
	Color	Scale	Counter	Instance	Parent	Object	Computer
		1.000 	Pages/sec Avg. Disk Qu % Processor			Memory Physic Proces	\\JOHN-DES \\JOHN-DES \\JOHN-DES
				1			

Which Counter is being recorded the most in the graph (hint: look at the graph color and Counter color)?

Click the View Report icon.

🗑 Performance		
i File Action View Favorites ← → € 💽 😤	Window Help	<u></u> X
☐ Console Root		- X * Pa
	*	

List the values of the three counters.

Click the "Routing and Remote Access Properties (Local Computer)" window so it is activated.

ieneral	Log On	Recovery	Dependen	cies			
Service	name:	RemoteAc	cess				
Display	name:	Routing and Remote Access					
Description:		Offers routing services to businesses in local area and wide area network environments.					
Path to	executabl	e:					
C:\WIN	ID0WS\s	ystem32\svo	chost.exe -k	netsvos			
Startup	type:	Disabled				~	
Service	status;	Stopped					
	Start	Stop		Pause	Resu	ime	
9							
		he start para	meters that a	apply when y	vou start the s	ervice	
You ca from he		he start para	meters that a	apply when y	vou start the s	ervice	

In the Startup type select **Disabled** and then click **OK**.

Click the "Services" window so it is activated.

File Action View	Help						_
Contract of the second	20120-000						
+ + 🔢 🖆	· · · · · · · · · · · · · · · · · · ·						
Services (Local)	Services (Local)						
	Routing and Remote Access	Name	Description	Status	Startup Type	Log On As	1
		Portable Media Serial Num	Retrieves t	014253 (2014)	Manual	Local System	
	Description:	Print Spooler	Loads files	Started	Automatic	Local System	
	Offers routing services to businesses in local area and wide area network environments.	Protected Storage	Provides pr	Started	Automatic	Local System	
		Quố R5VP	Provides n		Manual	Local System	
		Remote Access Auto Conn	Creates a		Manual	Local System	
	1	Remote Access Connectio	Creates a	Started	Manual	Local System	
	1	Remote Desktop Help Ses	Manages a		Manual	Local System	
	1	Remote Procedure Call (R	Provides th	Started	Automatic	Network S.,	
	1	Remote Procedure Call (R	Manages t		Manual	Network S.,	
	1	Remote Registry	Enables re	Started	Automatic	Local Service	
	1	Removable Storage			Manual	Local System	
	1	SRouting and Remote Access	Offers rout		Disabled	Local System	
	1	Selagata Sync Service	Seagate S		Automatic	Local System	
	1	Secondary Logon	Enables st	Started	Automatic	Local System	
		Security Accounts Manager	Stores sec	Started	Autometic	Local System	
	Extended (Standard /	M. Cambridge Casher	Martheore .	Chester d.	Alterates	Level Dicken	_

1. What is the Status and Startup Type for Routing and Remote Access?

Click the "Performance" window so it is activated.

		G _ D D
Window Help		2
100 80 60 40 20) + X ♀ ⊫ ₪ ∰	
Last 0.000 Average Maximum	0.050 Minimum 2.000 Duration	0.000
Color Scale Counter	Instance Parent Object	Computer
	_Total Physic	<pre>\\JOHN-DES \\JOHN-DES \\JOHN-DES</pre>
	Image: Color Scale Counter 1.000 Average 0 Average Maximum Color Scale 1.000 Pages/sec 100 Avg. Disk Qu	Image: Context of the second secon

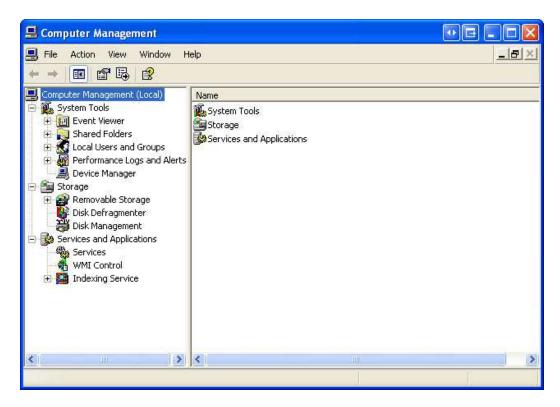
Click the Freeze Display icon to start the recording.

Close all open windows.

Navigate to the "Control Panel" window by clicking **Start > Control Panel**. Double-click the **Computer Management** icon.



The "Computer Management" window opens.



Expand the three categories by clicking on the **plus sign** next to: System Tools, Storage and Services, and Applications.

Click the **plus sign** next to Event Viewer.

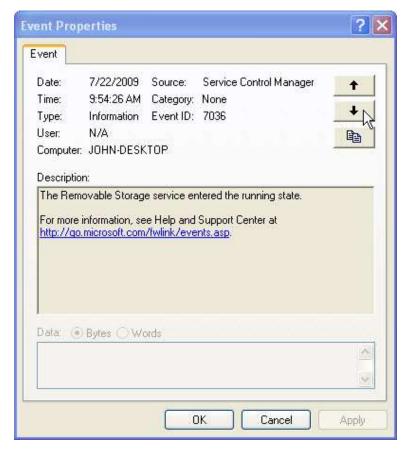
File Action View Window I	Help 8						1	. 8
Computer Management (Local)	Туре	Date	Time	Source	Category	Event	User	
🚯 System Tools	(1) Information	7/22/2009	9:54:26 AM	Service Control Manager	None	7036	N/A	
E Event Viewer	(1) Information	7/22/2009	9:54:26 AM	Service Control Manager	None	7035	SYSTEM	
11 Application	1 Information	7/22/2009	9:32:11 AM	Service Control Manager	None	7036	N/A	
11 Internet Explorer	(1) Information	7/22/2009	9:32:06 AM	Service Control Manager	None	7035	John	
Microsoft Office Diag	Warning	7/22/2009	9:31:42 AM	RemoteAccess	None	20192	N/A	
15 Microsoft Office Sess	1 Information	7/22/2009	9:31:42 AM	Service Control Manager	None	7036	N/A	
- [4] Security - [4] System	(1) Information	7/22/2009	9:31:42 AM	Service Control Manager	None	7035	John	
+ Shared Figders	1 Information	7/22/2009	8:16:05 AM	Service Control Manager	None	7036	N/A	
F 12 Local Users and Groups	(1) Information	7/22/2009	8:18:03 AM	Service Control Manager	None	7035	John	
Performance Logs and Al-	Warning	7/22/2009	8:17:35 AM	RemoteAccess	None	20192	N/A	
Device Manager	1 Information	7/22/2009	8:17:35 AM	Service Control Manager	None	7036	N/A	
Storage	1 Information	7/22/2009	8:17:35 AM	Service Control Manager	None	7035	John	
+ 🔐 Removable Storage	(1) Information	7/22/2009	8:17:25 AM	Service Control Manager	None	7036	N/A	
Disk Defragmenter	1 Information	7/22/2009	8:17:20 AM	Service Control Manager	None	7035	John	
B Disk Management	Warning	7/22/2009	8:05:03 AM	RemoteAccess	None	20192	N/A	
Services and Applications	D Information	7/22/2009	8:05:02 AM	Service Control Manager	None	7036	N/A	
Services	(1) Information	7/22/2009	8:05:02 AM	Service Control Manager	None	7035	John	
🚯 WMI Control	1 Information	7/22/2009	7:29:59 AM	Service Control Manager	None	7035	N/A	
5	Concernance							3

Then select System.

Rie Action Vew Window H	elp 9							- C
Computer Management (Local)	Type	Date	Tine	Source	Category	Event	Use	16
🖌 System Tools 👘	(Contornation	7/12/2009	3-54-05-AM	Service Corb sl Nanozer	None	7036	N/A	-
Event Veven	Disformation	7/2232009	9(54)26 AM	Service Control Nanager	None	7005	SYSTEM	
1 Application	(D) Information	7/22/2009	9:32:11 AM	Service Control Manager	None	7036	NIA	
비 Internet Explorer	Dinformation	7/22/2009	9:32:05 AM	Service Control Nanager	None	7035	John	
H Microsoft Office Diage	Warning	7/22/2009	9:31:42 AM	RenoteAcces	Norse	20102	NIA	
Microsoft Office Sess	Divionation	7/22.02009	9:31:42 AM	Service Control Nanager	None	7036	NIA	
(4) Security (9) System	Dinformation	7/2212009	9131:42 AM	Service Control Manager	None	7035	John	
H Shared Poiders	Dinformation	7/22/2009	811B:08 AM	Service Control Nanager	None	7036	NIA	
Find tocal Users and Groups	Dinformation	7/22/2009	8118-03 AM	Service Control Manager	None	7035	John	
+ Performance Loss and Ak	Warning	7/22/2009	8:17/35 AM	RenoteAccess	None	20192	NIA	
A Device Matager	D Information	7/22/2009	8:17:35 AM	Service Control Nanager	None	7036	NIA	
Storage	(1) Information	7/22/2009	8:17:35 AM	Service Control Nanager	None	7035	Inter	
+ a Removable Storage	D'aformation	7/22/2009	8:17:25 AM	Service Control Nanaper	None	7036	NIA	
Disk Defragnenter	Daformation	7/2212009	8:17:20 AM	Service Control Manager	Norm	7035	10hm	
Stok Management	P. Warring	7/22/2009	8:05:03 AM	RenoteAccess	None	20192	N/A	
- 🚯 Services and Applications	Dinformation	7/22/2009	8:05:02 AM	Service Control Manager	None	7036	NIA	
Services	(1) Information	7/22/2009	8105:02 AM	Service Control Manager	None	7035	John	
S WPE Cantrol	Dinformation	7/22/2009	7(29:59 AM	Service Control Manager	None	7036	NIG	
C International States	C. Martine		and the second second	- A CONTRACTOR OF THE POST	WINDOW.	1111	1000	- 31

Double-click the first event in the window.

The "Event Properties" window appears for the event.



Click the down arrow key to locate an event for Routing and Remote Access.

You should find four events that describe the order for starting and stopping the Routing and Remote Access service.

Write down the description for each of the four events. Do not include any URL information.

Date:	7/22/2009	Source:	Service Control Manager	
Time:	9:31:42 AM		1774 H	T
	Information	지방하는 아이 아이에 가지?		+
Street one	JOHN-DESK			B≥
Compute	r: JOHN-DESK	тор		
Descripti	ion:			
		e Access s	ervice was successfully sent (a start
		e Access s	ervice was successfully sent (a start
The Ro		e Access s	ervice was successfully sent a	a start
The Ro control. For more	uting and Remot e information, se	e Help and	Support Center at	a start
The Ro control. For more	uting and Remot	e Help and	Support Center at	a start
control. For more	uting and Remot e information, se	e Help and	Support Center at	a start
The Ro control. For more	uting and Remot e information, se	e Help and	Support Center at	a start
The Ro control. For more	uting and Remot e information, se	e Help and	Support Center at	a start
The Ro control. For more	uting and Remot e information, se	e Help and	Support Center at	a start
The Roi control. For more <u>http://g</u>	uting and Remot e information, se o.microsoft.com/	e Help and /fwlink/eve	Support Center at	a start
The Bol control. For more <u>http://g</u>	uting and Remot e information, se	e Help and /fwlink/eve	Support Center at	a start
The Roi control. For more <u>http://g</u>	uting and Remot e information, se o.microsoft.com/	e Help and /fwlink/eve	Support Center at	a start
The Roi control. For more <u>http://g</u>	uting and Remot e information, se o.microsoft.com/	e Help and /fwlink/eve	Support Center at	a start

vent	-		2.7.2.7.74	
Date: Time:	7/22/2009		Service Control Manager	+
rime: Type:	9:31:42 AM Information			+
lser	N/A	Evencid.	7030	
	m JOHN-DESK	TOP		B
32				
Descript	ion:			
		te Access s	ervice entered the running sta	ate.
The Ro	uting and Remo		ervice entered the running sta	ate.
For more	uting and Remo e information, se	e Help and	- Support Center at	ate.
The Ro For more	uting and Remo	e Help and	- Support Center at	ate.
The Ro For more	uting and Remo e information, se	e Help and	- Support Center at	ate.
The Ro For more	uting and Remo e information, se	e Help and	- Support Center at	ate.
The Ro For more	uting and Remo e information, se	e Help and	- Support Center at	ate.
The Ro For more	uting and Remo e information, se	e Help and	- Support Center at	ate.
The Ro For more <u>http://g</u>	uting and Remo e information, se o.microsoft.com	e Help and /fwlink/eve	- Support Center at	ate.
The Ro For more <u>http://g</u>	uting and Remo e information, se	e Help and /fwlink/eve	- Support Center at	ate.
The Ro For more http://g	uting and Remo e information, se o.microsoft.com	e Help and /fwlink/eve	- Support Center at	ate.

	perties			?
Event				
Date:	7/22/2009	Source:	Service Control Manager	+
Time:	9:32:06 AM	Category:	None	
Туре:	Information	Event ID:	7035	+
User:	JOHN-DESK	.TOP\John		
Compute	er: JOHN-DESK	TOP		Conterns .
Descript	42107			
			Support Center at nts.asp.	
<u>http://g</u>	o.microsoft.com	<u>/fwlink/eve</u>		
<u>http://g</u>		<u>/fwlink/eve</u>		
<u>http://g</u>	o.microsoft.com	<u>/fwlink/eve</u>		< >

User: N/A Computer: JOHN Description: The Routing and			?
Time: 9:32:1 Type: Inform- User: N/A Computer: JOHN- Description: The Routing and For more informati http://go.microso			
The Routing and For more informati http://go.microso	AM Category: on EventID:		 ↑ ↓ ■
http://go.microso	emote Access s	service entered the stopped st	ate.
Data:	, see Help and	Support Center at	
Data: 💿 Bytes (2011/11/11/17/070		
Data: () Bytes (
	Words		
			~ ~

Close all open windows.

Step 3

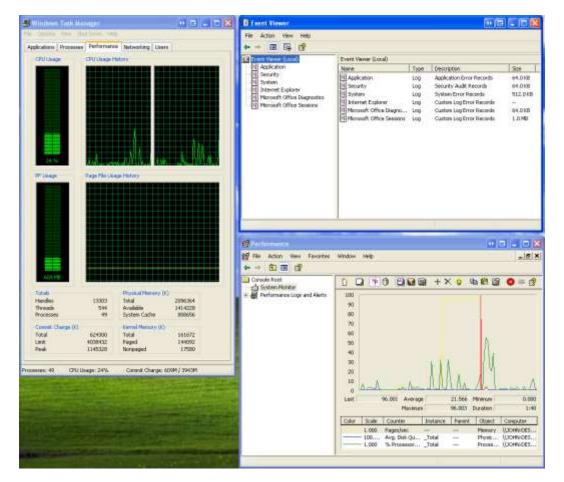
For the rest of this lab, you will configure advanced Administrative Tool features and monitor how this affects the computer system.

Press Ctrl-Alt-Delete. When the "Windows Task Manager" window opens, select the Performance tab.

Click **Start > Control Panel > Administrative Tools**. Open the following tools: Event Viewer and Performance.

Close the "Administrative Tools" window.

Resize and position all three windows so they can be seen at the same time.



Select the "Performance" window.

Expand "Performance Logs and Alerts".

in Performance		
👹 File Action View Favorites ← → 🖻 📧 🔗	Window Help	@×
Console Root System Monitor Performance Logs and Alerts Counter Logs Trace Logs New Log Se New Log Se New Log Se	Image: Constraint of the second se	0.000 1:40
Create a new performance counter log c	100 Avg. Disk Qu _Total Physic 1.000 % Processor _Total Proces	Computer \\JOHN-DES \\JOHN-DES \\JOHN-DES

Right-click Counter Logs > New Log Settings.

In the Name field, type Memory Counter.

Performance	
👹 File Action View Favoril ← → 🗈 📧 🔗	es Window Help
Console Root System Monitor Performance Logs and Alert Counter Logs Trace Logs Alerts	90 80 New Log Settings C ? X Name: Memory Counter
	0 A

Click OK.

When the "Memory Counter" window appears, click Add Counters.

Memory Counter	? 🗙
General Log Files Schedule	
Current log file name:	
C:\PerfLogs\Memory Counter_000001.blg	
This log begins immediately after you apply changes. Counters:	
	-
Add Objects Add Counters.	emove
Sample data every:	
Interval: 15 🔅 Units: seconds	X
Run As: <default> Set Password</default>	
OK Cancel	Apply

The "Add Counters" window opens.

VUOHN-DESKTOP	×
Performance object:	
All counters Select counters from list	All instances
% Committed Bytes In Use Available Bytes Available KBytes Available MBytes	
Cache Bytes Cache Butes Peak	

Set the Performance object field to Memory.

Set the "Select counters from list" field to Available Mbytes, and then click Add > Close.

	Counter				
General	Log Files	Schedule			
Current	log file na	NG me:			
C:\Per	fLogs\Mer	nory Counter_0	00001.blg		
				AU-19-22)
10.000		mediately after	you apply char	iges.	
Counte	172- -				17
\\JOH	N-DESKTI	DP\Memory\A\	vailable MBytes	2	
-					-
-17		Add Objec	ts	unters	emove
		Add Objec	ts Add Co	unters) R	emove
Sample	data ever		ts) (Add Co	unters) R	emove
	1	y:		unters) R	emove
Sample	1	<u> </u>	ts) (Add Co Units:		emove
	1	y:			emove
	1	y:			emove
	; 5	y.	Units:	seconds	emove
Interva	; 5	y.		seconds	emove
Interva	; 5	y.	Units:	seconds	emove

Change the Interval field to 5.

Select the Log Files tab.

Memory Counter	? ×
General Log Files Schedule	
Log file type and name Log file type:	
Text File (Tab delimited)	
Configure Log Files	? 🗙
Location:	
C:\PerfLogs Brow	/se
File name:	
Memory Counter	
Log file size Maximum limit Limit of:	
1 С МВ	
OK Car	ncel
OK Cancel	Apply

Set the Log file type field to Text File (Tab delimited).

Click Configure.

What is the default location for the log files?

Click **OK** to close the "Configure Log Files" window.

A folder not found information window opens. Click Yes to create the folder.



Click the Schedule tab.

eneral L	og Files Schedule			
Start log				
O Mar	ually (using the short	cut menu)		
💽 At	12:44:55 PM	😂 on	12/12/2009	~
Stop log				
Mar	ually (using the short	cut menu)		
⊖ Afte	r. 1	Units: d	ays	1
OAt	12:44:55 PM	C on	12/13/2009	~
OWh	en the log file is full.			
When	a log file closes:			
Star	t a new log file			
Rur	this command:			
			Bro	N\$B

Keep the default settings and click **OK**.

The "Performance" window opens.

🗑 Performance			•	
File Action View Favorites	Window Help			_&×
← → 🔁 📧 🕼 😼 😫	D → ■	Comment	Log File Type	Log File Name
System Monitor Performance Logs and Alerts Counter Logs Trace Logs Alerts	Memory Counter	This sample log provides an o	Text File (Binary File	C:\PerfLogs\M C:\PerfLogs\S;
	<			
) <u></u>			

In the "Performance" window, select **Counter Logs**.

The Memory Counter log icon turns green once it has started.

🚸 🖻 💶 🗙 📕 Windows Task Manager File Options View Shut Down Help Applications Processes Performance Networking Users CPU Usage CPU Usage History 0% PF Usage Page File Usage History 615 MB Totals Physical Memory (K) Handles 13264 Total 2096364 Available 1410376 Threads 543 815676 Processes 49 System Cache Commit Charge (K) Kernel Memory (K) Total 630556 Total 161688 4038432 Limit Paged 144112 1145328 17576 Peak Nonpaged CPU Usage: 0% Commit Charge: 615M / 3943M Processes: 49

Select the "Windows Task Manager" window.

What amount of Physical Memory (K) is available?

Subtract about 10 MB of the available memory. Example: 1410376 – 10000 = 1400376.

How much available memory is left over?

Make sure the "Performance" window is active.

File Action	/iew Favorites	Window Help			<u>_ 8 ×</u>
⇐ ⇒ 🔁 🖪					
Console Root		Name	Comment	Log File Type	Log File Name
 ☆ System Monit ☆ Performance ☆ Counter L ☆ Trace Log ↓ Alerts 	Logs and Alerts .ogs	Memory Counter System Overview	This sample log provides an o	Text File (Binary File	C:\PerfLogs\N C:\PerfLogs\S
Alerts	New Alert Setting New Alert Setting				
	New Window from	Here			
	Help				

Right-click **Alerts > New Alert Settings**.

in Performance			E	
👹 File Action View Favorites	Window Help			_8×
⇔ → 🗈 🗷 🕼 😫	□ → ■			
Console Root	Name	Comment	Log File Type	Log File Name
System Monitor Performance Logs and Alerts Counter Logs Trace Logs Alerts Alerts	Memory Counter System Overview	This sample log provides an o	Text File (Binary File	C:\PerfLogs\M C:\PerfLogs\S}
N	New Alert Settings ame: femory Alert			
		OK Cancel		
	<			3
Create a new performance alert configu	1			

In the Name field, type Memory Alert, then click OK.

The "Memory Alert" window appears.

cimor y	Alert								?
General	Action	Schedu	le						
This ale Comme	ert scan b ent:	egins imr	mediatel	ly after	you ap	bly char	nges.		
Counte	rs:								
		20.2427			214	i aa	a T		
Alert w	nen the v	aiue is:				Limi		Rem	ove
	nen the v : data eve					1		Rem	ove
	i data evi				Units:	Add		Rem	ove

Click Add.

The "Add Counters" window opens.

General Action Schedule	
Add Counters	2 💟
O Use local computer counters Select counters from computer:	
VUOHN-DESKTOP	×
Performance object:	
Memory	2
O All counters	○ All instances
Select counters from list	() Select instances from list:
Committed Bytes In Use Available Bytes Available KBytes Available MBytes Cache Bytes Cache Bytes Cache Bytes Cache Bytes	
Add R Explain	

Set the "Performance object" field to Memory.

Set the "Select counters from list" field to **Available MBytes**. Click **Add > Close**.

Fill in the window fields.

1000 110	Action Sched scan begins im	5.00 T T/A	after you ap	ply changes	8
Comment					
Counters:	5				
VUOHN	DESKTOP\Me	mory\Ava	alable MByte	8	
		-			
Alert whe	n the value is:	Under	~	Limit	1400376
				Add	Remove
Sample d	ata every:				
Interval:	5	*	Units:	second	s 💌
Run As:	<default></default>	T	Set Pas	sword	
	-		0.0000000000000000000000000000000000000	ensesue	

Set the following field values for the General tab:

Alert when the value is: **Under** Limit: **enter physical memory minus 10MB** (use the physical memory found in the Task Manager earlier in this lab). Example – 1400376 Interval: **5** Units: **seconds**

Click the Action tab.

emory Alert	?
General Action Schedule	
When an alert is triggered: Log an entry in the application event log Send a network message to: Start performance data log:	
Command Line Arguments	Browse
Example command line arguments	20.0 10.00
"Memory Alert, 2009/12/12-13:23:18.156.\Object\Count	arten nita anti n
OK Cancel	Apply

Click **OK** to keep default settings.

In the "Performance" window, select Alerts.

😸 Performance			• • • • • •
😸 File Action View Favorites	Window Help		<u>X</u>
Console Root	Name	Comment	
System Monitor Performance Logs and Alerts Counter Logs Trace Logs Alerts	Memory Alert		
	<		>

How can you tell that the Memory Alert has started?

To force the computer to use some of the available memory, open and close a browser. Example: Internet Explorer or FireFox.

Right-click the **Memory Alert** icon **> Stop**.

Performance			
📷 File Action View Favorites	Window Help		_ & ×
⇔ → 🖻 🗷 🗙 😭 🗔	8 8 0	•	
Console Root	Name	Comment	
System Monitor Performance Logs and Alerts Counter Logs Trace Logs Alerts Alerts	Memory Aler		
		Start	
		Stop Save Settings As	
		Delete Refresh	
		Properties	
		Help	
	<		
Stop the selected log or alert		Nu la	

Notice the "Memory Alert" icon has changed to a red color.

File Action View Favorites Window Help	👿 Performance			 3 💶 🗆 🛛
Console Root System Monitor Performance Logs and Alerts Counter Logs Trace Logs Alerts Alerts	📷 File Action View Favorites	Window Help	(_ 8 ×
System Monitor Performance Logs and Alerts Counter Logs Trace Logs Alerts Alerts	🗢 → 🗈 🗷 🗿 😼 🔗			
Performance Logs and Alerts Counter Logs Trace Logs Alerts		and the second s		
	E W Performance Logs and Alerts			
		Just		

Select Counter Logs.

Performance			💀 🖬 🗖 🛛 🛛
📷 File Action View Favorites	Window Help		X
⇔ ⇒ 🗈 🗷 🕼 🔮			
Console Root	Name	Comment	Log File Type Log File Name
System Monitor Performance Logs and Alerts Counter Logs Trace Logs Alerts	System Overview Memory Counter	This sample log provides an o	Binary File C:\PerfLogs\S\ Text File (C:\PerfLogs\M
	<		<u> </u>
	100		

Right-click the Memory Counter icon and select Stop.

How can you tell the Memory Counter has stopped?

Make sure the "Event Viewer" window is active.

Select Application, and double-click the event at the top of the list.

Event Viewer		Event Properties	? 🛛
File Action View Help Image: Constraint of the second	Application 79 Type Information	Event Date: 12/12/2009 Source: SysmonLog Time: 1:53:22 PM Category: None Type: Information Event ID: 2031 User: N/A Computer: JOHN-DESKTOP Description: Counter: Counter: VUOHN-DESKTOP Description: Counter: VUOHN-DESKTOP For more information, see Help and Support Center at http://go.microsoft.com/fw/ink/events.asp . Date: Bytes: Words Date: Bytes: Words	
			which a

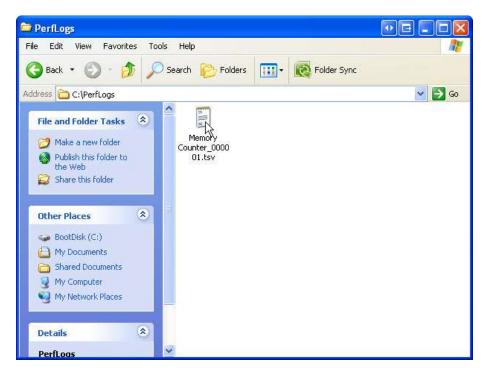
Does the event indicate that the available MBytes has tripped the alert threshold?

If you answered yes to the above question, what was the counter value that tripped the alert event?

If you answered no, click the down arrow a few times until you find the alert event. If you do not find an alert event ask the instructor for assistance.

Close the "Event Properties" window, click OK.

Click Start > My Computer > double-click drive C: > PerfLogs.



Double-click Memory Counter file.

File Edit Format View Help "'(PDH-TSV 4.0) (Pacific Standard Time)(480)" • "\JoHN-DESKTOP\Memory\Available MBytes" • "12/12/2009 13:13:33.859" "1368" • "12/12/2009 13:13:38.859" "1370" • "12/12/2009 13:13:43.859" "1370" • "12/12/2009 13:13:43.859" "1370" • "12/12/2009 13:13:58.859" "1370" • "12/12/2009 13:13:58.859" "1370" • "12/12/2009 13:14:08.859" "1369" • "12/12/2009 13:14:08.859" "1369" • "12/12/2009 13:14:18.859" "1369" • "12/12/2009 13:14:28.859" "1369" • "12/12/2009 13:14:28.859" "1369" • "12/12/2009 13:14:48.859" "1369" • "12/12/2009 13:14:48.859" "1369" • "12/12/2009 13:14:48.859" "1369" • "12/12/2009 13:14:48.859" "1369" •<
"12/12/2009 13:15:28.859" "1374" "12/12/2009 13:15:33.859" "1374" "12/12/2009 13:15:38.859" "1374"

What does the column on the right show?

Close the Memory Counter file, PerfLogs folder, and Windows Task Manager.

In the "Event Viewer" window click **Application > Action > Clear All Events**. Click **No** when you are asked to save the events to a file.

View Help	(
Open Log File		2					
Save Log File As New Log View		Application 79	event(s)				
Clear all Events		Туре	Date	Time	Source	Category	Ever
h			12/12/2009	1:53:22 PM	SysmonLog	None	203
Rename		(1) Information	12/12/2009	1:53:17 PM	SysmonLog	None	203:
Refresh		(Information	12/12/2009	1:53:12 PM	SysmonLog	None	203;
Export List	_	(Information	12/12/2009	1:53:07 PM	SysmonLog	None	203:
Properties		Information	12/12/2009	1:53:02 PM	SysmonLog	None	203:
Sector and	_	(Information	12/12/2009	1:52:57 PM	SysmonLog	None	203:
Help		Information	12/12/2009	1:52:52 PM	SysmonLog	None	203:
	_	(Information	12/12/2009	1:52:47 PM	SysmonLog	None	203:
		(Information	12/12/2009	1:52:42 PM	SysmonLog	None	203:
		Information	12/12/2009	1:52:37 PM	SysmonLog	None	203:
		Information	12/12/2009	1:52:32 PM	SysmonLog	None	203:
		(Information	12/12/2009	1:52:27 PM	SysmonLog	None	203:
		Information	12/12/2009	1:52:22 PM	SysmonLog	None	203:
			12/12/2009	1:52:17 PM	SysmonLog	None	203:
		Information	12/12/2009	1:52:12 PM	SysmonLog	None	203:
		(Information	12/12/2009	1:52:07 PM	SysmonLog	None	203:
		(Information	12/12/2009	1:52:02 PM	SysmonLog	None	203;
			12/12/2009	1:51:57 PM	Sysmool on	None	203

In the "Performance" window, click **Counter Logs >** right-click **Memory Counter > Delete**.

🗑 Performance				
🗑 File Action View Favorites	Window Help			_ 8 ×
🇢 🔶 🗈 💌 🗙 😭 🗔	₿ 😫 🗅 ▶ ■			
Console Root	Name	Comment	Log File Type	Log File Name
System Monitor	System Overview	This sample log provides an o	Binary File	C:\PerfLogs\S
Performance Logs and Alerts Counter Logs Trace Logs Alerts Alerts	Memory Counter	Start Stop Save Settings As Delete Refresh Properties Help	Text File (C:\PerfLogs\M
	<			>
Deletes the current selection.				

Select Alerts > Memory Alert > right-click Memory Alert > Delete.

Open drive C:.

Right-click the **PerfLogs** folder.

Click **Delete > Yes**.

Close all open windows.