IT Essentials 5.0

5.3.1.7 Lab - Task Manager (Managing Processes) in Windows XP

Introduction

Print and complete this lab.

In this lab, you will explore Task Manager and manage processes from within Task Manager.

Recommended Equipment

The following equipment is required for this exercise:

• A computer running Windows XP Professional

Step 1

Log on to Windows as an administrator.

Open a browser and a folder.

Click on the desktop and press Ctrl-Alt-Delete.

Click the Task Manager button if the Windows Security dialog box is displayed.

Click the **Applications** tab.

le Options	View Win	ndows Shut Do	wn Help		
Applications	Processes	Performance	Networking	Users	
Task					Status
Chapte					Running
and the second s	and the second se	Academy - Cisco	o Systems - W	indows	
Microso Microso					Running Running
Turado:	2				Kulining
<		_			>
		End	Task	Switch To	New Task

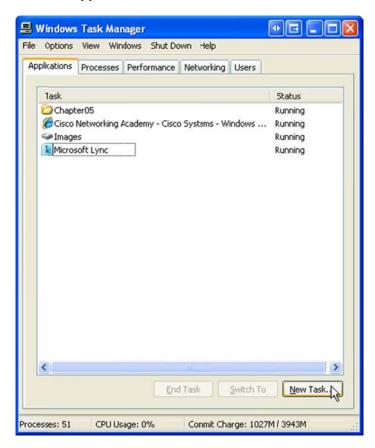
Select the open browser and then click Switch To.

What happened to the browser?

What happened to Windows Task Manager?

Open Task Manager, press Ctrl-Alt-Delete.

Click the **Applications** tab.



Click New Task.

The "Create New Task" window opens.

Create	New Task	×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
Open:	notepad	-
	OK Cancel Browse	

In the Open field type **notepad** and then click **OK**.

What happens?

Navigate back to Windows Task Manager.

		(
pplcations	Processes	Performance	Networking	Users	
Task					Status
Chapt	er05				Running
Cisco	Networking #	Academy - Cisco	o Systems - W	/indows	Running
Image					Running
Micros					Running
Untitle	d - Notepad				Running
<) >
		Enc	l Task	Switch To	New Task

Select Notepad and then click End Task.

What happens?

Step 2

Click the **Performance** tab.

plications Proce	esses Performanc	e Networking Use	rs	
CPU Usage	CPU Usage H	istory		_
La construcción de las construccións en construccións de las construccións				
12 %	1 Thinks	WAAT/WAANY NO	Month	MM
DE Line au	Deep El-11-			
PF Usage	Page File Usa	age History		
_				_
1.00 GB				
Totals		Physical Memory (
Totals Handles	16100	Physical Memory (Total	2096364	
Totals	16100 596 52	Physical Memory (Total Available		
Totals Handles Threads Processes	596 52	Physical Memory (Total Available System Cache	2096364 943104 941232	
Totals Handles Threads Processes Commit Charge	596 52 (K)	Physical Memory (Total Available System Cache Kernel Memory (K)	2096364 943104 941232	
Totals Handles Threads Processes	596 52	Physical Memory (Total Available System Cache	2096364 943104 941232	

How many Threads are running?

How many Processes are running?

What is the Total Physical Memory (K)?

What is the Available Physical Memory (K)?

How much Physical Memory (K) is being used by the system?

Step 3

Click the Networking tab.

🗏 Windows Task Manager 💽 🖸	3 🗖 🗖 🖾
File Options View Shut Down Help	
Applications Processes Performance Networking Users	
Local Area Connection 4	3
0.6 %	
Adapter Name Network Utilization Link Speed	State
Local Area Con 0 % 100 Mbps Opera	ational
Processes: 52 CPU Usage: 1% Commit Charge: 1040M / 39	43M

What is the Link Speed?

Step 4

Click the **Users** tab.

pplications Processes	Performance	Networking	Users	
User	ID Sta	tus	Client Name	Session
12 John	0 Acti	ve		Console
<	JH .)	2

List all users and their Status.

What actions can you perform on the user?

Step 5

Click the **Processes** tab.

Double-click the border around the tabs.

Options	View Shut	Down Help		
olications	Processes	Performance Network	ing Use	ers 😡
Image N	lame	User Name	CPU	Mem Usage
Acrobat.	exe	John	00	43,500 K
taskmgr.	.exe	John	02	5,920 K
iexplore.		John	00	85,504 K
WINWO		John	00	49,564 K
	litor.exe	John	00	46,788 K
aolsoftw		John	00	6,548 K
SnagPriv		John	00	3,028 K
TscHelp.		John	00	3,432 K
	Search.exe	John	00	11,048 K
Snagit32	.exe Taskbar.exe	John John	00	25,536 K 3,452 K
aim6.exe		John	00	61,736 K
ctfmon.ex		John	00	4,736 K
jusched.		John	00	7,424 K
hpwusch		John	00	2,704 K
acrotray		John	00	3,148 K
	lonitor.exe	John	00	6,680 K
UtraMor		John	00	1,272 K
VPTray.		John	00	8,908 K
SMax4.e		John	00	4,416 K
SMax4PI		John	00	4.524 K
	the.exe	John	00	7,984 K
explore.		John	00	4,940 K
	dexer.exe	SYSTEM	00	25,212 K
	tService.exe	SYSTEM	00	2,440 K
EXCEL.E		John	00	31,936 K
SMAgen		SYSTEM	00	1,728 K
Rtvscan		SYSTEM	00	38,520 K
qs.exe		SYSTEM	00	1,396 K
explorer	.exe	John	00	7,208 K
DefWato	h.exe	SYSTEM	00	2,212 K
sychost.		LOCAL SERVICE	00	6,032 K
sychost.	exe	LOCAL SERVICE	00	3,928 K
sychost.	exe	NETWORK SERVICE	00	3,516 K
sychost.	exe	SYSTEM	00	28,488 K
svchost.	exe	NETWORK SERVICE	00	4,472 K
sychost.	exe	SYSTEM	00	5,012 K
ati2evxx		SYSTEM	00	2,380 K
lsass.ex	e	SYSTEM	00	1,724 K
services	.exe	SYSTEM	00	4,364 K
winlogon		SYSTEM	00	1,476 K
csrss.ex	e	SYSTEM	00	5,680 K
alg.exe		LOCAL SERVICE	00	3,544 K
smss.ex		SYSTEM	00	416 K
spoolsv.		SYSTEM	00	7,352 K
ati2evxx	.exe	John	00	3,552 K
System	120020-00-00-	SYSTEM	00	220 K
System I	Idle Process	SYSTEM	98	16 K
Show (processes from	n all users		End Proces

nage Name	User Name	CPU	Mem Usage	^
robat.exe 😽	John	00	43,512 K	
rotray.exe	John	00	3,148 K	
m6.exe	John	00	67,484 K	
g.exe	LOCAL SERVICE	00	3,544 K	
lsoftware.exe	John	00	6,548 K	
i2evxx.exe	John	00	3,552 K	
i2evxx.exe	SYSTEM	00	2,380 K	
rss.exe	SYSTEM	00	5,748 K	
fmon.exe	John	00	4,736 K	
efWatch.exe	SYSTEM	00	2,212 K	
CEL.EXE	John	00	32,028 K	
plorer.exe	John	01	13,152 K	
ocveMonitor.exe	John	00	6,684 K	
wuschd2.exe	John	00	2,704 K	
xplore.exe	John	00	5,040 K	
xplore.exe	John	00	90,156 K	
s.exe	SYSTEM	00	1,396 K	
sched.exe	John	00	7,424 K	
ass.exe	SYSTEM	00	1,156 K	-
vscan.exe	SYSTEM	00	38,520 K	
archindexer.exe	SYSTEM	00	26,240 K	
rvces.exe	SYSTEM	00	4,364 K	
Agent.exe	SYSTEM	00	1,728 K	
lax4.exe	John	00	4,416 K	
lax4PNP.exe	John	00	4,524 K	
nss.exe	SYSTEM	00	416 K	
agit32.exe	John	00	28,004 K	
agitEditor.exe	John	00	41,844 K	
agPriv.exe	John	00	3,028 K	
odsv.exe	SYSTEM	00	7,356 K	~

Windows Task Manager is now in compact mode.

Click Image Name.

Image Name	User Name	CPJ	Mem Usage	^
WINWORD.EXE	John	00	61,268 K	
winlcgon.exe	SYSTEM	00	2,168 K	
WindowsSearch.exe	John	00	11,048 K	
VPTray.exe	John	00	8,908 K	
ViewpointService.exe	SYSTEM	00	2,440 K	
UltraMonTaskbar.exe	John	00	3,456 K	
UltraMon.exe	John	00	1,272 K	
TSVNCache.exe	John	00	7,996 K	
TscHelp.exe	John	00	3,432 K	
taskngr.exe	John	02	6,100 K	
System Idle Process	SYSTEM	98	16 K	
System	SYSTEM	00	220 K	
svchost.exe	LOCAL SERVICE	00	6,032 K	
svchost.exe	LOCAL SERVICE	00	3,928 K	
svchost.exe	NETWORK SERVICE	00	3,512 K	
svchost.exe	SYSTEM	00	28,468 K	
svchost.exe	NETWORK SERVICE	00	4,484 K	
svchost.exe	SYSTEM	00	5,012 K	-
spodsv.exe	SYSTEM	00	7,356 K	
SnacPriv.exe	John	00	3,028 K	
SnagitEditor.exe	John	00	43,684 K	
Snagit32.exe	John	00	28,020 K	
smss.exe	SYSTEM	00	416 K	
SMax4PNP.exe	John	00	4,524 K	
5Max4.exe	John	00	4,416 K	
SMAgent.exe	SYSTEM	00	1,728 K	
services.exe	SYSTEM	00	4,364 K	
searchprotocolhost.exe	SYSTEM	00	6,688 K	
searchindexer.exe	SYSTEM	00	26,716 K	
searchfilterhost.exe	LOCAL SERVICE	00	4,880 K	×
] Show processes from a	ll users		End Proce	ess

1

Click Image Name again.

What effect does this have on the columns?

Image Name	User Name	CPU	Mem Usage	^
System Idle Process	SYSTEM	99	16 K	
System	SYSTEM	00	220 K	
smss.exe	SYSTEM	00	416 K	
UltraMon.exe	John	00	1,272 K	
jqs.exe	SYSTEM	00	1,396 K	
5MAgent.exe	SYSTEM	00	1,728 K	
sass.exe	SYSTEM	00	2,048 K	
winlogon.exe	SYSTEM	00	2,168 K	
DefWatch.exe	SYSTEM	00	2,212 K	
ati2evxx.exe	SYSTEM	00	2,380 K	
ViewpointService.exe	SYSTEM	00	2,440 K	
hpwuschd2.exe	John	00	2,704 K	
5nagPriv.exe	John	00	3,028 K	
acrotray.exe	John	00	3,148 K	
TscHelp.exe	John	00	3,432 K	
UltraMonTaskbar.exe	John	00	3,456 K	
svchost.exe	NETWORK SERVICE	00	3,516 K	
alg.exe	LOCAL SERVICE	00	3,544 K	_
ati2evxx.exe	John	00	3,552 K	
svchost.exe	LOCAL SERVICE	00	3,928 K	
services.exe	SYSTEM	00	4,364 K	
5Max4.exe	John	00	4,416 K	
svchost.exe	NETWORK SERVICE	00	4,484 K	
5Max4PNP.exe	John	00	4,524 K	
ctfmon.exe	John	00	4,736 K	
searchfilterhost.exe	LOCAL SERVICE	00	4,920 K	
svchost.exe	SYSTEM	00	5,012 K	
explore.exe	John	00	5,080 K	
csrss.exe	SYSTEM	00	5,764 K	
svchost.exe	LOCAL SERVICE	00	6,032 K	~
Show processes from	allusers		End Proce	

Click Mem Usage.

What affect does this have on the columns?

Double-click the outside border again for tabs mode.

Step 6

Open a browser.

Note: Firefox is used in this lab. However, any browser will work. Just substitute your browser name whenever you see the word Firefox.

Return to the Windows Task Manager.

oplications Processes	Performance Networ	king Use	ers	
Image Name	User Name	CPU	Mem Usage	~
Acrobat.exe	John	00	43,512 K	
acrotray.exe	John	00	3,148 K	
aim6.exe	John	00	64,324 K	
alc.exe	LOCAL SERVICE	00	3,544 K	
aoisoftware.exe	John	00	6,548 K	
ati2evxx.exe	John	00	3,552 K	
ati2evxx.exe	SYSTEM	00	2,380 K	
csiss.exe	SYSTEM	01	6,008 K	
ctfmon.exe	John	00	4,736 K	
DefWatch.exe	SYSTEM	00	2,212 K	-
EXCEL.EXE	John	00	32,028 K	
explorer.exe	John	00	13,240 K	
firefox.exe	John	00	39,860 K	
GrooveMonitor Age	John	00	6,684 K	
hpwuschd2.exe	John	00	2,704 K	
iexplore.exe	John	00	5,076 K	
iexplore.exe	John	00	91,904 K	
jqs.exe	SYSTEM	00	1,400 K	
jusched.exe	John	00	7,424 K	
lsass.exe	SYSTEM	00	2,112 K	
Rtvscan.exe	SYSTEM	00	38,520 K	
searchfilterhost.exe	LOCAL SERVICE	00	4,872 K	1
searchindexer.exe	SYSTEM	00	26.008 K	
Show processes from	n all users		End Process	

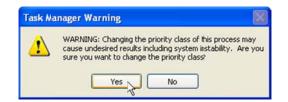
Click Image Name so the list is in alphabetical order and select firefox.exe.

oplications Proce	esses Performance N	Vetworkin	g Use	rs	_
Image Name	User Name	1	CPU	Mem Usage	~
Acrobat.exe	John		00	43.512 K	
acrotray.exe	John		00	3,148 K	
aim6.exe	John		00	64,316 K	
alg.exe	LOCAL SERV	ICE	00	3,544 K	
aoisoftware.exi	e John		00	6,548 K	
ati2evxx.exe	John		00	3,552 K	
ati2evxx.exe	SYSTEM		00	2,380 K	
csiss.exe	SYSTEM		00	5,728 K	
ctfmon.exe	John		00	4,736 K	
DefWatch.exe	SYSTEM		00	2,212 K	-
EXCEL.EXE	John		00	32,028 K	
explorer.exe	John		01	13,264 K	
firefox.exe	John	_	00	40,104 K	
GrooveMonito	End Process	1	00	6,684 K	
hpwuschd2.ex	End Process Tree		00	2,704 K	
iexplore.exe	Debug		00	5,076 K	
iexplore.exe	Debug		00	91,904 K	
jqs.exe	Set Priority	Realt	ine	,824 K	
jusched.exe	Set Affinity	High		,424 K	
lsass.exe		-	aNorma	,052 K	
Rtvscan.exe	SYSTEM	100 CT (175 CT)		A DEOK	
searchindexer.		Norm	-	73 1,184 K	-
services.exe	SYSTEM	Belov	Wormal		100
Show process	es from all users	Low		d Proces	

Right-click **firefox.exe > Set Priority**.

What is the default priority for the browser?

Set the priority to Above Normal.



Click Yes in the Task Manager Warning window.

Step 7

Expand the width of the Windows Task Manager window.

oplications	Refresh N		Networking	Use	ers	
	Update Sp	eed +				
Image Na	Select Col	umns N	e	CPU	Mem Usage	^
Acrobat.e	xe	John W		00	43,512 K	
acrotray.e	xe	John		00	3,148 K	
aimó.exe		John		00	64,268 K	
alg.exe		LOCAL SE	ERVICE	00	3,544 K	
aolsoftwar	re.exe	John		00	6,548 K	
ati2evxx.e	exe	John		00	3,552 K	
ati2evxx.e	exe	SYSTEM		00	2,380 K	
csrss.exe		SYSTEM		00	5,756 K	
ctfmon.ex	e	John		00	4,736 K	
DefWatch	.exe	SYSTEM		00	2,212 K	_
EXCEL.EXE	E	John		00	32,028 K	
explorer.e	xe	John		00	13,340 K	
firelox.ex		John		00	55,468 K	
GrooveMo		John		00	6,620 K	
hpwuschd		John		00	2,704 K	
iexplore.e.		John		00	5,064 K	
iexplore.e.	xe	John		00	91,840 K	
jqs.axe		SYSTEM		00	1,396 K	
jusched.e:	xe	John		00	7,424 K	
Isass.exe		SYSTEM		00	1,324 K	
Rtvscan.e		SYSTEM		00	38,520 K	
searchinde		SYSTEM		00	25,940 K	-
services.e	xe	SYSTEM		00	4.364 K	
Show or	ocesses from	all users				End Process

Click View > Select Columns.

Select Columns	
Select the columns that will a of the Task Manager.	appear on the Process page
Image Name	Page Faults Delta
PID (Process Identifier)	Virtual Memory Size
CFU Usage	Paged Pool
CPU Time	Non-paged Pool
Memory Usage	Base Priority
Memory Usage Delta	Handle Count
Peak Memory Usage	Thread Count
Page Faults	GDI Objects
USER Objects	I/O Writes
I/0 Reads	I/O Write Bytes
I/0 Read Bytes	I/O Other
Session ID	I/O Other Bytes
User Name	
	OK Cancel

Place a check mark next to Base Priority and click OK.

Chapter	5 Lab
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Processes Performance Networking Users Image Name User Name CPU Mem Usage Base F System Idle Process SYSTEM 98 16 K Ny jgs.exe SYSTEM 00 1,396 K Lo UltraMonTaskbar.exe John 00 3,456 K Lo system SYSTEM 00 220 K Norm atiZevxx.exe John 00 3,552 K Norm spolsv.exe SYSTEM 00 1,364 K Norm spolsv.exe SYSTEM 00 4,364 K Norm spolsv.exe SYSTEM 00 4,364 K Norm sess.exe SYSTEM 00 2,380 K Norm sychost.exe SYSTEM 00 2,380 K Norm sychost.exe SYSTEM 00 2,380 K Norm sychost.exe SYSTEM 00 2,460 K Norm sychost.exe NETWORK SERVICE 00 3,452 K	Pri
System Idle Process SYSTEM 98 16 K W jgs.exe SYSTEM 00 1,396 K Lo UltraMonTaskbar.exe John 00 3,456 K Lo System SYSTEM 00 20,856 K Lo System SYSTEM 00 7,364 K Norm spoolsv.exe SYSTEM 00 416 K Norm spoolsv.exe SYSTEM 00 416 K Norm spoolsv.exe SYSTEM 00 416 K Norm spoolsv.exe SYSTEM 00 4,364 K Norm stizevxx.exe SYSTEM 00 2,380 K Norm stizevxx.exe SYSTEM 00 5,012 K Norm svchost.exe SYSTEM 00 2,380 K Norm svchost.exe SYSTEM 00 2,380 K Norm svchost.exe NETWORK SERVICE 00 3,492 K Norm svchost.exe SYSTEM 00 2,212 K <th>Pri</th>	Pri
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ati2evxx.exe SYSTEM 00 2,380 K Norm Svchost.exe SYSTEM 00 5,012 K Norm Svchost.exe NETWORK SERVICE 00 4,484 K Norm Svchost.exe SYSTEM 00 28,460 K Norm Svchost.exe NETWORK SERVICE 00 3,492 K Norm Svchost.exe LOCAL SERVICE 00 3,928 K Norm Svchost.exe LOCAL SERVICE 00 3,928 K Norm Svchost.exe LOCAL SERVICE 00 6,032 K Norm Svchost.exe John 00 13,648 K Norm Svchost.exe SYSTEM 00 1,728 K Norm Svace SYSTEM 00 2,440 K Norm Svace SYSTEM 00 2,440 K Norm Svace SYSTEM 00 2,6464 K Norm Svace SYSTEM 00 2,6464 K Norm Svacer.exe John 00	
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WINWORD.EXE John 00 61,672 K Norm	
explore.exe John 00 91,416 K Norm	
Acrobat.exe John 00 43,512 K Norm	
irefox.exe John 00 55,468 K Above Norm	
srss.exe SYSTEM 00 5,756 K Hig	
vinlogon.exe SYSTEM 00 2,976 K Hig	
askmgr.exe John 02 6,136 K Hig	
Show processes from all users	ocess

Click Base Pri.

Which image name has a base priority of N/A?

List one image name that has a base priority of Above Normal?

Step 8

Reset Firefox.exe base priority to **Normal > Yes**.



Click View > Select Columns > uncheck Base Priority > OK.

Close Firefox.

oplications Proce	sses Performance	Networking	Users	
Image Name	User Nar	me CP	U Mem Usag	e 🔺
Acrobat.exe	John	0	0 43,512	К
acrotray.exe	John	0		
am6.exe	John	0	0 64,248	к
alg.exe	LOCAL SE	ERVICE O		
aolsoftware.exe		0		
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Csrss.exe	SYSTEM	0		
ctfmon.exe	John	0		
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EXCEL.EXE	John	0	0 32,028	к
explorer.exe	John	1:	12 13,688 K	к
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howuschd2.exe	John	0	0 2,704	к
iexplore.exe	John	0	0 5,116	к
iexplore.exe	John	0	0 92,436	к
jqs.exe	SYSTEM	0	0 1,396	к
jusched.exe	John	0	0 7,424	к
lsass.exe	SYSTEM	0	0 1,036	к
Rtvscan.exe	SYSTEM	0	0 38,520	к
searchindexer.e	xe SYSTEM	0	0 25,852	к
services.exe	SYSTEM	0	0 4,364	к
SMAgent.exe	SYSTEM	0	0 1,728	к
SMax4.exe	John	0	0 4,416	к
SMax4PNP.exe	John	0	0 4,524	К 💌
Show processe	s from all users			d Process

Is Firefox listed as a process?