

At points in this exercise you will be directed to paste an image of the active window into your document. This requires using **Alt-Print Screen** to copy the window show the desired result to the clipboard. Use the paste button to paste the contents of the clipboard into your document..

In a Word or WordPad document for each step below identified with a ✓ : show the step number and an image of the appropriate window or windows.

In your domain:

Exploring the Task Manager

<i>Step</i>	<i>Action</i>	<i>Show</i>
1	Use CTRL-ALT-DEL to bring up the Windows NT Security applet Try and capture a screen dump of this dialog ANSWER THE QUESTION IN WRITING: "Why can't you capture the Security applet screen?"	
2	Click on Task Manager... to launch Task Manager	
3	Click on the Processes tab, sort by Memory Usage ANSWER THE QUESTION IN WRITING: "Which process is using the most memory and how much is it using?"	Q
4	Click on the Performance tab ANSWER THE QUESTION IN WRITING: "Do have more processes or threads active right now? Why should you expect to have more of one than the other?"	Q
5	Click "Start" and "Run" PBRUSH.EXE Do some random scribbling (draw a happy face)	
6	Click on the Applications tab (in Task Manager) Right click on the "Untitled - Paintbrush" application with the righthand mouse button Choose "Minimize"	
7	Now highlight "Untitled - Paintbrush" and click the "End Task" button or use the context menu (i.e. right mouse) IGNORE the message "Save changes to untitled" when it comes up.	
8	A Task Manager dialog should come up giving you three choices. Capture the screen, then choose End Task again	✓
9	Minimize the Task Manager ANSWER THE QUESTION IN WRITING: "What does the Task Manager <u>graphically</u> represent when it is	Q

<i>Step</i>	<i>Action</i>	<i>Show</i>
10	minimized?" Go to the Performance Tab, turn on viewing of Kernel Time Usage ANSWER THE QUESTION IN WRITING: "What uses more time when the system is idle (User Time or Kernel Time). Why do you think that is?"	Q

Using the Performance Monitor Chart

<i>Step</i>	<i>Action</i>	<i>Show</i>
11	Start the Performance Monitor Choose File New Chart to start a new chart	
12	Choose Edit Add to Chart Select the BDC as the computer to monitor Add the "% Processor Time" from the "Processor" object in the color Green	
13	Add Available Bytes of Memory to monitor in the color Blue	
14	Add TCP segments received/sec. to monitor in the color Yellow	✓
15	Create a share on the BDC (called "Testing") Copy a LARGE file from the PDC to the BDC ANSWER THE QUESTION: "Did you see any noticeable changes on the BDC during this test? What were they?"	Q
16	Save your Chart Settings in "C:\mychart.pmc"	
17	Turn on the horizontal grid and view it as a histogram	✓

Using the Performance Monitor Alerts

<i>Step</i>	<i>Action</i>	<i>Show</i>
18	Switch to the Alerts view of Performance Monitor	
19	Add a new Alert for Processor / Processor Time % > 50% for PDC Add a similar Alert for the BDC	
20	Add another Alert for Server Sessions > 2	

<i>Step</i>	<i>Action</i>	<i>Show</i>
21	Do your best to try and force these alerts. It may be necessary to set up a trust to get "Server sessions > 2" Capture the list of alerts (try to have at least 5 total)	✓
22	Go to Alert Options and enable alert logging in the Application Log Cause some more alerts and capture a view of them from the Event Viewer	✓
23	Go to the Report View of Performance Monitor	
24	Add any 6 items from the Memory statistics to view Add any 6 items from the Physical Disk statistics to view Capture the report	✓
25	Export the Report to a comma-delimited value (.CSV) file Load the .CSV file into notepad or wordpad, Paste the .CSV file into your lab 5 document	✓

Installing TCP/IP

<i>Step</i>	<i>Action</i>	<i>Show</i>
A	The Network Monitor requires TCP/IP to be installed. Open the Control Panel. Double click on the Network Applet	
B	Go to the Protocols tab. Hit the "Add..." button and choose TCP/IP	
C		

Using the Network Monitor:

<i>Step</i>	<i>Action</i>	<i>Show</i>
26	Fire up the Network Monitor	

<i>Step</i>	<i>Action</i>	<i>Show</i>
27	Hit the "Play" button or choose "Capture / Start"	
28	Copy a large file between the PDC and BDC Immediately choose "Stop and View"	
29	ANSWER THE QUESTION: "What activity did you see during the file copying?"	Q
30	Now do a continuous PING from the BDC to the PDC	
31	Restart the monitoring process	
32	ANSWER THE QUESTION: "What activity did you see during the PINGing?"	Q
33	Look in the "Capture Summary" Window ANSWER THE QUESTION: "What protocols have been used during these tests?"	Q