

Exam Report: 12.13.5 Practice Questions

Date: 4/15/2020 4:45:16 am
Time Spent: 5:57

Candidate: Garsteck, Matthew
Login: mGarsteck

Overall Performance

Your Score: 50%



Passing Score: 80%

View results by: ☐ Objective Analysis ☒ Individual Responses

Individual Responses

▼ Question 1: Correct

Which tool would you use to configure the paging file location and size on a Windows system?

- ☐ Clock, Language, and Region in Control Panel
- ☐ Administrative Tools in Control Panel
- ☐ Hardware and Sound in Control Panel

➡ ☒ Advanced System Settings in Control Panel

Explanation

You manage virtual memory on a Windows system using Advanced System Settings in Control Panel. You can control the size and the location of the paging file.

Use Hardware and Sound in Control Panel to manage hardware devices, such as printers. Use Administrative Tools to load MMC consoles such as Services or Computer Management. Configure regional and language preferences using Clock, Language, and Region in Control Panel.

References

TestOut PC Pro - 12.13 Virtual Memory
[e_virtmem_pp6.exam.xml Q_VMEM_01]

▼ Question 2: Correct

Which of the following is another name for the paging file?

➡ ☒ Virtual memory

- ☐ Upper memory
- ☐ Random access memory
- ☐ Extended memory

Explanation

The process of moving data from RAM to disk (and back) is known as swapping or paging. Random access memory (RAM) is used as a temporary data storage location and is called physical memory. The terms extended and upper memory refer to memory above the first megabyte of address space in PC systems with older processors.

References

TestOut PC Pro - 12.13 Virtual Memory
[e_virtmem_pp6.exam.xml Q_VMEM_02]

▼ Question 3: Incorrect

What is the recommended size of the paging file under normal circumstances on a Windows 10 system with 8 GB of RAM installed?

- ☐ No paging file is required.
- ➡ ☐ Equal to the amount of physical RAM.
- ☐ No more than three times the amount of physical RAM.
- ☒ ~~Twice the amount of physical RAM.~~
- ☐ As large as possible.

Explanation

Unless you are running applications that require large amounts of swap file space, the optimal setting for virtual memory swap file size is about the same size as the amount of physical RAM in the computer.

Systems that have a very small amount of physical RAM installed may require a page file that is twice the size of the installed RAM.

Systems with a moderate amount of physical RAM installed may require a page file that is about 1.5 times the size of the installed RAM. Systems with very large amounts of physical RAM installed typically don't require a large page file.

If the paging file is too small, the system will spend excess time swapping memory data into and out of the swap file. This condition is known as thrashing, where system performance (particularly usability) becomes very poor, but hard drive activity is almost constant.

References

TestOut PC Pro - 12.13 Virtual Memory
[e_virtmem_pp6.exam.xml Q_VMEM_03]

▼ Question 4: Incorrect

Which aspects of virtual memory can you configure on a Windows workstation? (Select TWO).

- ☐ Recommended size of the paging file
- ➡ ☐ Location of the paging file
- ☒ ~~Minimum time between memory swap operations~~

➡️ ☒ Maximum size of the paging file


Explanation

While the default behavior of Windows is to allow the operating system to manage virtual memory settings, the system administrator can control both the maximum size of the virtual memory paging file and the disk volume upon which the paging file is stored.

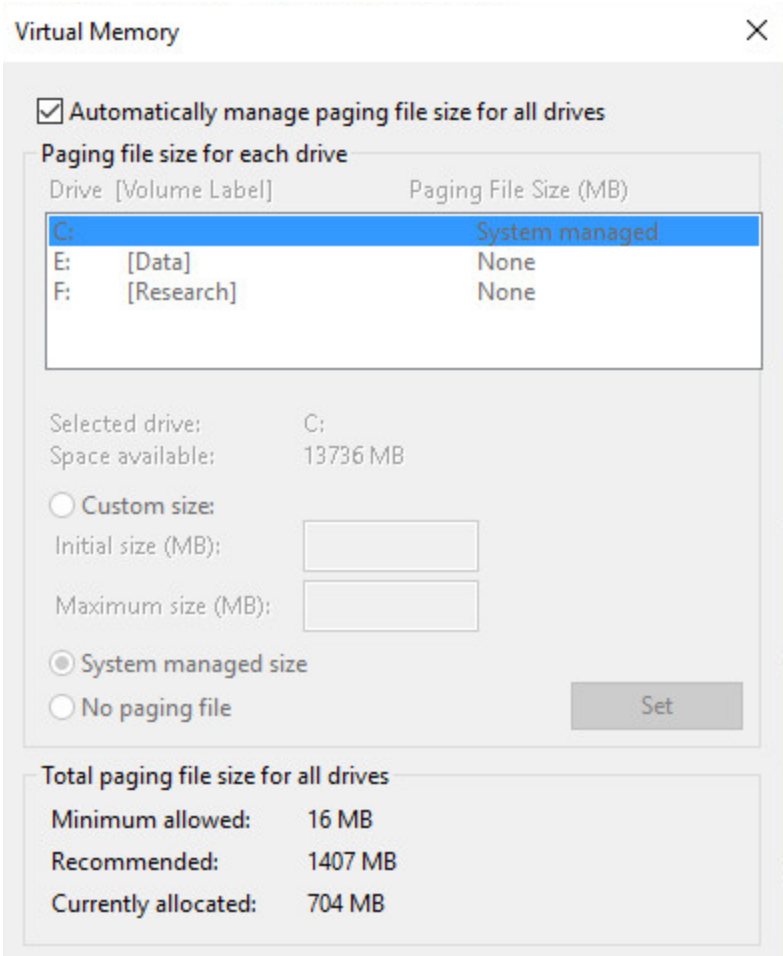
References

TestOut PC Pro - 12.13 Virtual Memory
[e_virtmem_pp6.exam.xml Q_VMEM_04]

▼ Question 5: Correct

 This question includes an image to help you answer the question.

Close



Consider the virtual memory configuration for the Windows 10 system shown in the exhibit.

Given that this Windows 10 system has 16 GB of system RAM and three hard disks installed, which configuration change could you make to the paging file to increase system performance?

- ☐ Set the initial size of the paging file to 8 GB.

☐ Remove the paging file from the C: volume.

➡ ☒ Add paging files to the E: and F: volumes.

Explanation

You can sometimes achieve a modest increase in system performance by adding paging files to other storage devices in the system. This offloads some of the paging file work to a disk other than the system volume.

However, generally speaking, you should keep a paging file on the system volume. Without it, Windows can't create a dump file if the system crashes. With the amount of system RAM installed in this computer, creating a large paging file probably won't increase system performance.

References

TestOut PC Pro - 12.13 Virtual Memory
[e_virtmem_pp6.exam.xml Q_VMEM_05]

▼ Question 6: Incorrect

You have been having trouble with your laptop crashing. You would like your computer to create a memory dump file when it crashes.

Where should you place the paging file?

☐ On a USB flash device

☒ ~~Split between two storage devices~~

➡ ☐ On the system volume

☐ On a drive other than where the operating system files are stored

Explanation

You must place the paging file on the system volume if you want Windows to be able to create a memory dump file when it crashes.

References

TestOut PC Pro - 12.13 Virtual Memory
[e_virtmem_pp6.exam.xml Q_VMEM_06]