

## Software Distribution

TOTAL POINTS 9

1. What's the difference between an EXE file and an MSI file? Check all that apply.

1 / 1 point

- ☐ An MSI file is an executable that can give you complete control over how your application should be installed.
- ☒ An EXE file is an executable that may have an MSI file as one its resources.

Correct

Great work! An executable or EXE file can "wrap" an MSI file, which is used by the Windows Installer to guide the installation process of an application.

- ☒ MSI files are used by the Windows Installer to control how your application is installed.

Correct

Great work! An executable or EXE file can "wrap" an MSI file, which is used by the Windows Installer to guide the installation process of an application.

2. When would you want to use an MSI file to guide the installation of a program, as opposed to an EXE?

1 / 1 point

- ☒ When you want the Windows Installer to perform bookkeeping and setup for your application, at the cost of following the rules the Installer requires.
- ☐ When you want to be able to install your application on Linux as well as Windows.
- ☐ When you want complete, custom control over how the application is installed.

Correct

You got it! Using the Microsoft Installation Package format to guide a program's setup is a good way to get a lot of functionality out of the box. It does mean you'll need to follow the rules and format the Windows Installer requires.

3. If you're performing an installation from the command line in Windows, what's the best method of checking out the options that the installation package provides? Check all that apply.

1 / 1 point

- ☒ Try to use the /?, /h, or /help flags when running the package to see if they provide any helpful output.

Correct

Right on! Often the /?, /h and /help switches will give you some insight into what options the installer provides. Alternatively, you can check the documentation for the software to get the same information.

- ☒ Consult the documentation for the application to see what options they provide.

Correct

Right on! Often the /?, /h and /help switches will give you some insight into what options the installer provides. Alternatively, you can check the documentation for the software to get the same information.

- ☐ Decide you don't want to install the application from the command line and use the GUI instead.

4. What's the difference between apt and dpkg? Check all that apply.

1 / 1 point

- ☐ dpkg installs package dependencies.
- ☒ dpkg is used as a standalone Debian package command.

Correct

Great job! The dpkg command is used as a standalone package installer, while the apt command is used as a package manager that installs package dependencies.

- ☒ apt installs package dependencies.

Correct

Great job! The dpkg command is used as a standalone package installer, while the apt command is used as a package manager that installs package dependencies.

- ☒ apt is used as a package manager.

Correct

Great job! The dpkg command is used as a standalone package installer, while the apt command is used as a package manager that installs package dependencies.

5. Which of the following file extensions are considered archives in Windows? Check all that apply.

1 / 1 point

- ☒ .tar

Correct

You nailed it! The .tar, .zip and .rar file extensions are used as archives. The .exe file extension is a Windows executable file.

- ☐ .exe

- ☒ .zip

Correct

You nailed it! The .tar, .zip and .rar file extensions are used as archives. The .exe file extension is a Windows executable file.

- ☒ .rar

Correct

You nailed it! The .tar, .zip and .rar file extensions are used as archives. The .exe file extension is a Windows executable file.

6. What's the PowerShell commandlet you can use to extract and compress archives right from the commandline?

1 / 1 point

- ☒ Compress-Archive
- ☐ 7Zip
- ☐ tar

Correct

Wohoo! The Compress-Archive commandlet in PowerShell can help you work with Archives from the command line.

7. What's the purpose of a DLL in Windows?

1 / 1 point

- ☐ To take up space on your hard drive
- ☒ To share a package of useful code among programs
- ☐ To guide the installation of a package via the Windows Installer

Correct

Nice job! A DLL, or Dynamic Linked Library, is loaded when a program is run, and provides useful code for the program.

8. Most shared libraries in Windows are managed by which of the following?

1 / 1 point

- ☐ Dynamic Linked Libraries, or DLLs
- ☒ Side-by-side assemblies, or SxS
- ☐ Left-and-right appendages, or LRAs

Correct

Awesome work! The SxS system is used in Windows to manage shared libraries. Most of these shared libraries are stored in the C:\Windows\WinSxS folder.

9. What's the correct commandlet to use in order to find a software package in the available package sources from the PowerShell command line?

1 / 1 point

- ☐ Register-PackageSource
- ☒ Find-Package
- ☐ Get-PackageSource

Correct

Great work! The Find-Package commandlet is the way to go if you want to locate a particular package and its dependencies.