Advanced Scripting   
Installation

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# Instructions

Save a copy of this document. Answer all questions directly in this document. You will save and upload this completed document as your homework submission.

# Overview

Windows PowerShell is installed in Windows by default. In this exercise you will install PowerShell core on Linux and on Windows. The installation files are found at <https://github.com/PowerShell/PowerShell>

# Setup

# Task 1—Install PowerShell Core on Windows

If you want to write cross platform scripts on Windows you will need to install PowerShell Core on Windows. It is dead simple.

## Steps

1. Go to <https://github.com/PowerShell/PowerShell>
2. For our class exercise you will install the stable release of PowerShell core. You will probably want the 64-bit version.
   1. Find the link for the version you would like to install and download the installer.
   2. Run the installer
   3. When you get to the Optional actions check all the options.
   4. Done
3. Run PowerShell
   1. You can run PowerShell core by its link in the start menu or by the command pwsh
4. Enter the command   
   $PSVersionTable
   1. What is the PSVersion? 7.2.1
   2. What is the PSEdition? Core
   3. What is the OS? Microsoft Windows 10.0.194043
   4. What is the Platform? Win32NT

# Task 2—Install PowerShell on Linux

Installation on Linux is just a bit more involved. Each distribution is handled a bit differently. Use the instructions on the download page for details

## Steps

1. Install PowerShell core on Debian. If you did not choose Debian as your WSL distribution you will have to look up how to install in that distribution. These instructions will work for Debian.
   1. Open a shell to Debian. The easiest way is with the Windows Terminal.
   2. Enter the following commands:
      1. First update your repository  
         sudo apt-get update
      2. Next update the existing packages so they are current  
         sudo apt-get upgrade
      3. You need to download the GPG keys so you will need wget which is not installed in WLS by default  
         sudo apt install -y wget
      4. Get the GPG keys for the Microsoft repository  
         wget <https://packages.microsoft.com/config/debian/10/packages-microsoft-prod.deb>
      5. Register the Microsoft GPG keys  
         sudo dpkg -i packages-microsoft-prod.deb
      6. Update the repository again  
         sudo apt-get update
      7. Install PowerShell  
         sudo apt install -y powershell
2. Start PowerShell Core  
   pwsh
3. Get version information. Enter the command  
   $PSVersionTable
   1. What is the PSVersion? 7.2.1
   2. What is the PSEdition? Core
   3. What is the OS? Linux 4.4.0-19041-Microsoft
   4. What is the Platform? Unix
4. Congratulations you now have PowerShell running on Linux!

# Deliverable

Upload this document with completed answers to i-learn.