Advanced Scripting   
Lab 2 System Profiling

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Document Prepared for: CIT361 Student

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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

What is your system up to? This week’s lab is about understanding which processes are running and how many resources they are using. This lab is less structured than the Exercises. You will be given concepts to explore and goals to accomplish. You will need to use help to understand learn usage.

# Preparation

Read the full help on Get-Process. (hint: use the -online switch to make it easier to read)

# Answer the following questions about your system

1. How many processes are running on your system?  
   284
   1. Record the statements you used to come to this conclusion  
      Get-Process|Measure-Object
2. How many unique processes are running on your system (by name)?  
   109
   1. Record the statements you used to come to this conclusion  
      Get-Process|Sort-Object name|Get-Unique|measure
3. What are the top three processes that are using the most memory?  
   Get-Process|Sort-Object ws -desc|Select-Object -first 3
   1. Record the statements you used to come to this conclusion  
      Memory Compression, WINWORD, MsMpWng
4. What are the top three processes that are using them most CPU time?  
   rzappengine, EpicGamesLauncher, webwallpaper32
   1. Record the statements you used to come to this conclusion  
      Get-Process|Sort-Object CPU -desc|Select-Object -first 3
5. What are the top three processes that are using the most handles?  
   System, explorer, msedge
   1. Record the statements you used to come to this conclusion  
      Get-Process|Sort-Object Handles -desc|Select-Object -first 3
6. How many handles are in use on your system?  
   282
   1. Record the statements you used to come to this conclusion  
      Get-Process|Measure-Object Handles
7. List all the user accounts that are running processes on your system.  
   1
   1. Record the statements you used to come to this conclusion  
      Get-Process -IncludeUserName
8. List all the companies that represent processes running on your system.  
   14
   1. Record the statements you used to come to this conclusion  
      gps|group-Object company
9. List the companies that only have one process running on your system.  
   Node.js
   1. Record the statements you used to come to this conclusion  
      gps|Group-Object company

# Analysis

Explain what you discovered about your system and its processes.  
I discovered that there are a ton of things running in the background of my computer that I didn’t necessarily know about before. This can be useful if your computer is slow and is in need of speeding up.

# Deliverable

Upload this document with completed answers to i-learn.