**CSO104 – Operating Systems and LANS**

Lab #4 – Windows Services

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SCORE: \_\_\_\_\_\_\_\_\_

**\*\* DUE: October 15th \*\***

**\*\*\* HAND IN FOR MARKING \*\*\***

Objectives:

* Explore intro and intermediate functionality of Windows 10
* Become familiar with Windows Services
* Start and Stop Windows Services
* Change Windows Services State conditions

Key Terms

|  |  |
| --- | --- |
| * Automatic * Manual * Disabled * Started * Stopped | * Net start * Net stop * Service name * Dependent * Dependency |

**Prerequisites for this Lab:**

* Attend Class
* Listen to Lecture

\*\* **LAB STARTS HERE \*\***

**Windows Services**

The Windows 10 OS operates based on a series of **Services** that run in the background. In today’s exercise, you will automate the starting and stopping of Services and learn the difference between Dependent and Dependency Services

Services can be accesses via several methods. One of the quicker methods is to type services. Another method is:

Control Panel | Administrative Tools | Services

or at the Command Prompt (**cmd**), type **services**

The 3 States of Services in **Startup** Type are?

1. Automatic
2. Manual
3. Disabled

3 **States** of Services are?

1. Running
2. Starting/ Stalled
3. Not Stated

**Set the following Manual Service to Automatic Startup**

**Network List Service**

**How did you do this? What steps did you take?**

Double click on the network list service, change it from manual to automatic, and then I hit apply.

**What is the purpose of the Network List Service?**

identifies the **networks** to which the computer has connected, collects and stores.

properties for these **networks** and notifies applications when these properties change.

https://www.windows-security.org/windows-service/network-list-service#:~:text=The%20Network%20List%20Service%20(netprofm,applications%20when%20these%20properties%20change.

**What is the actual name of the Network List Service?**

netprofm

**Start a Service Using the Command Line**

Using Dan’s lecture information. Drop to the command line and stop the Network List Service

What did you type to stop the **Network List Service**?

Drop to command list, then type Net Stop

Now, start the **Network List Service**

What did you type to start the Network List Service?

Drop to command list, then type Net Start

*SNIPPET*

***Using Snippet, take a screenshot of your command line entry and the starting of the service. Save your file for future uploading to LMS Dropbox.***

Is there a **Windows Backup Service** and if so, what is the current status and startup?

Yes, there is. It’s set to manual and the Service status: Stopped.

**What is a Secondary Logon Service?**

Windows Secondary Logon allows administrators to log on with a non-administrator account to perform administrative tasks without logging off.

https://us.battle.net/support/en/article/7551#:~:text=Windows%20Secondary%20Logon%20allows%20administrators,msc%20into%20the%20Run%20window.

**Service Names and Description Names of the Service are always identical?**

F

**Service Types**

**What is a Dependent Service?**

The list of services that depend on the service you selected to stop.

https://www.ibm.com/support/knowledgecenter/SSEPCD\_9.5.0/com.ibm.ondemand.configurator.doc/arsn0284.htm

**Provide an example of 2 Dependent Services?**

(Distributed Component Object Model) DCOM Server Process Launcher

(Remote Procedure Call) RCP

**What is a Dependency Service?**

Dependency Services relay and depend on the Dependent Services to run.

**Provide an example of 2 Dependency Services?**

IP Helper

SysMain

**Which Service is likely one of the most critical in a Windows Operating System?**

The Remote Procedure Call (RPC)

References

IBM knowledge center. (n.d.). Retrieved from https://www.ibm.com/support/knowledgecenter/SSEPCD\_9.5.0/com.ibm.ondemand.configurator.doc/arsn0284.htm

Network list service. (n.d.). Retrieved from https://www.windows-security.org/windows-service/network-list-service#:~:text=The%20Network%20List%20Service%20(netprofm,applications%20when%20these%20properties%20change

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