



UNIVERSITY OF
Baguio

SCHOOL OF INFORMATION AND TECHNOLOGY

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Section:	DATE SUBMITTED:	

SYSADM1 – Managing Services in Windows

Requirement:

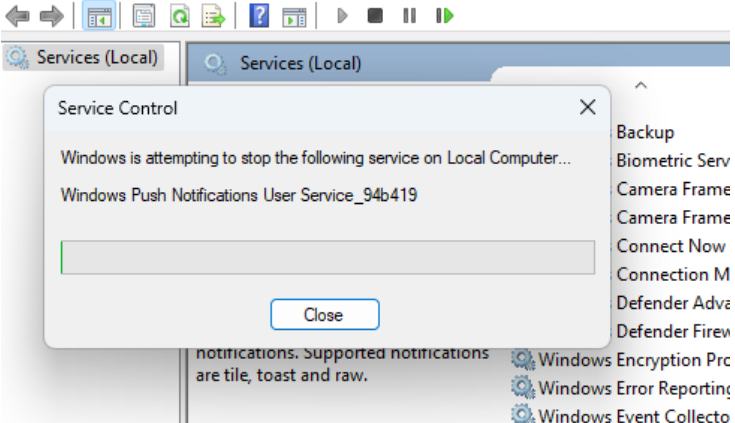
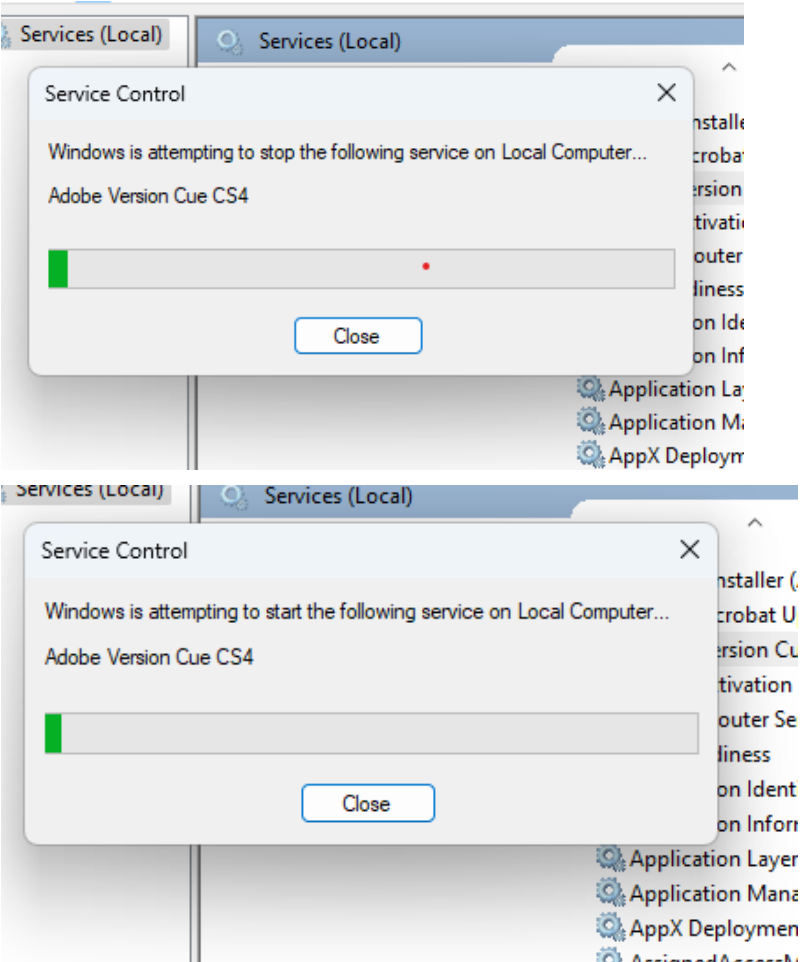
- A virtual machine running Linux and Windows OS

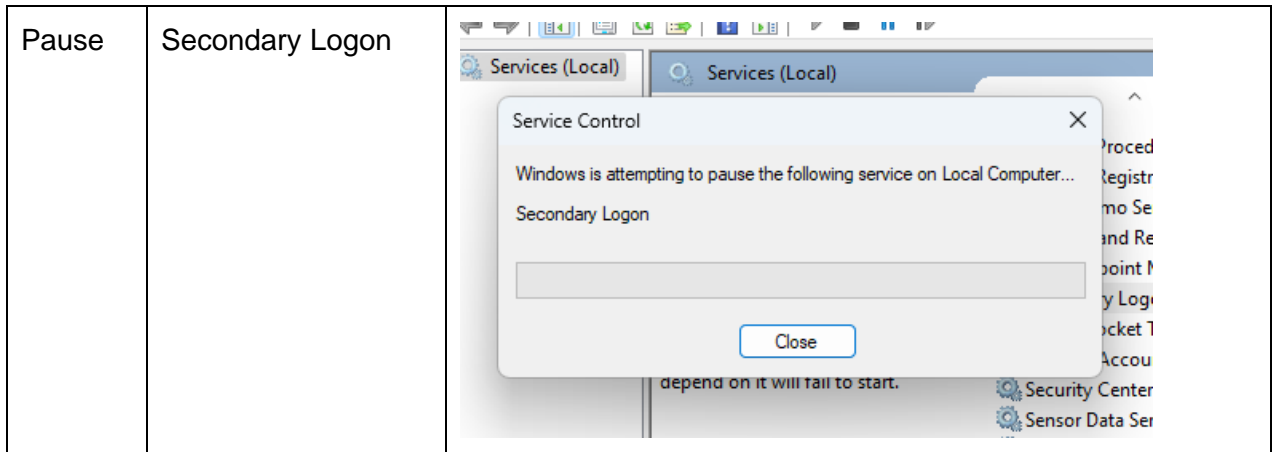
Services are background processes that run independently of user interactions in Windows. They provide essential system functions, such as network connectivity, printing, and time synchronization. This lab will guide you through the process of managing services using the Services app.

Instructions:

1. Open the Start menu and search for "Services"
2. Familiarize yourself with the columns, including Service Name, Display Name, Status, and Startup type.
3. Right-click on a service and select "Start", "Stop", or "Restart". Fill out the table below

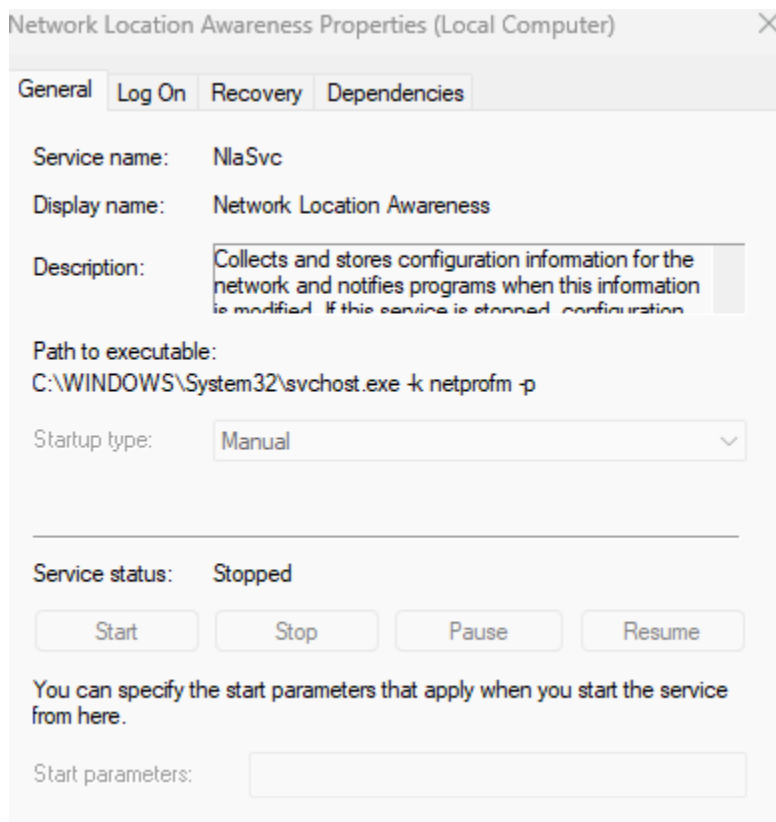
Status	Name of Service	Screenshot
Start	Secure Socket Tunneling Protocol Service	

Stop	Windows Push Notifications user Service_94b419	 <p>The screenshot shows the Windows Services console with the 'Services (Local)' tab selected. A 'Service Control' dialog box is open, displaying the message: 'Windows is attempting to stop the following service on Local Computer...' followed by 'Windows Push Notifications User Service_94b419'. A progress bar is visible, and a 'Close' button is at the bottom. The background shows a list of services including Backup, Biometric Serv, Camera Frame, Connect Now, Connection M, Defender Adv, and Defender Firew.</p>
Restart	Adobe Version Cue CS4	 <p>The screenshot displays two instances of the 'Service Control' dialog box for the 'Adobe Version Cue CS4' service. The top dialog shows the service being stopped, with the message 'Windows is attempting to stop the following service on Local Computer...' and 'Adobe Version Cue CS4'. The bottom dialog shows the service being started, with the message 'Windows is attempting to start the following service on Local Computer...' and 'Adobe Version Cue CS4'. Both dialogs include a progress bar and a 'Close' button. The background shows the Services console with various services listed, including Application La, Application Mi, and AppX Deployr.</p>



4. Select five network services, right-click to view its properties. Modify the startup setting to Manual.

SS:



TCP/IP NetBIOS Helper Properties (Local Computer)

General Log On Recovery Dependencies

Service name: lmhosts

Display name: TCP/IP NetBIOS Helper

Description: Provides support for the NetBIOS over TCP/IP (NetBT) service and NetBIOS name resolution for clients on the network, therefore enabling users to

Path to executable:

C:\WINDOWS\System32\svchost.exe -k LocalServiceNetworkRestricted -p

Startup type: Manual

Service status: Running

Start

Stop

Pause

Resume

You can specify the start parameters that apply when you start the service from here.

Start parameters:

Wi-Fi Direct Services Connection Manager Service Properties (Loca... X

General Log On Recovery Dependencies

Service name: WFDSConMgrSvc

Display name: Wi-Fi Direct Services Connection Manager Service

Description: Manages connections to wireless services, including wireless display and docking.

Path to executable:
C:\WINDOWS\system32\svchost.exe -k LocalServiceNetworkRestricted -p

Startup type: Manual

Service status: Stopped

Start Stop Pause Resume

You can specify the start parameters that apply when you start the service from here.

Start parameters:

OK Cancel Apply

WLAN AutoConfig Properties (Local Computer) X

General Log On Recovery Dependencies

Service name: WlanSvc

Display name: WLAN AutoConfig

Description: The WLANSVC service provides the logic required to configure, discover, connect to, and disconnect from a wireless local area network (WLAN) as

Path to executable:
C:\WINDOWS\system32\svchost.exe -k LocalSystemNetworkRestricted -p

Startup type: Automatic

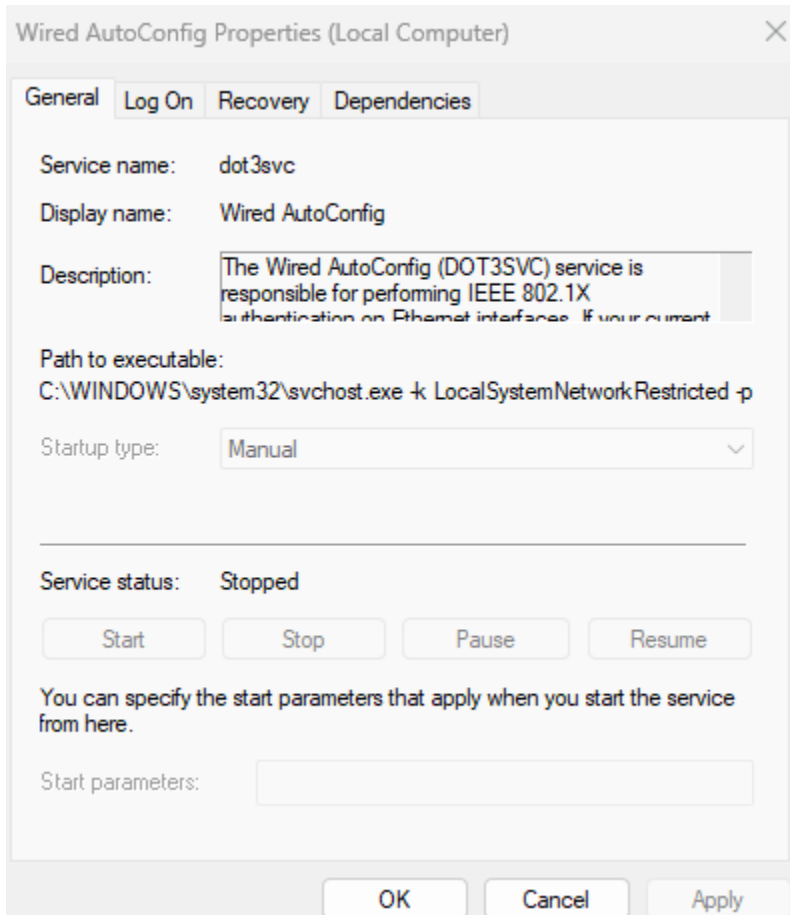
Service status: Running

Start Stop Pause Resume

You can specify the start parameters that apply when you start the service from here.

Start parameters:

OK Cancel Apply



5. Explore the "General", "Recovery", and "Log On" tabs to understand additional service settings.
6. Create a batch file that will be added as a new service later on. Refer to the batch file code below.

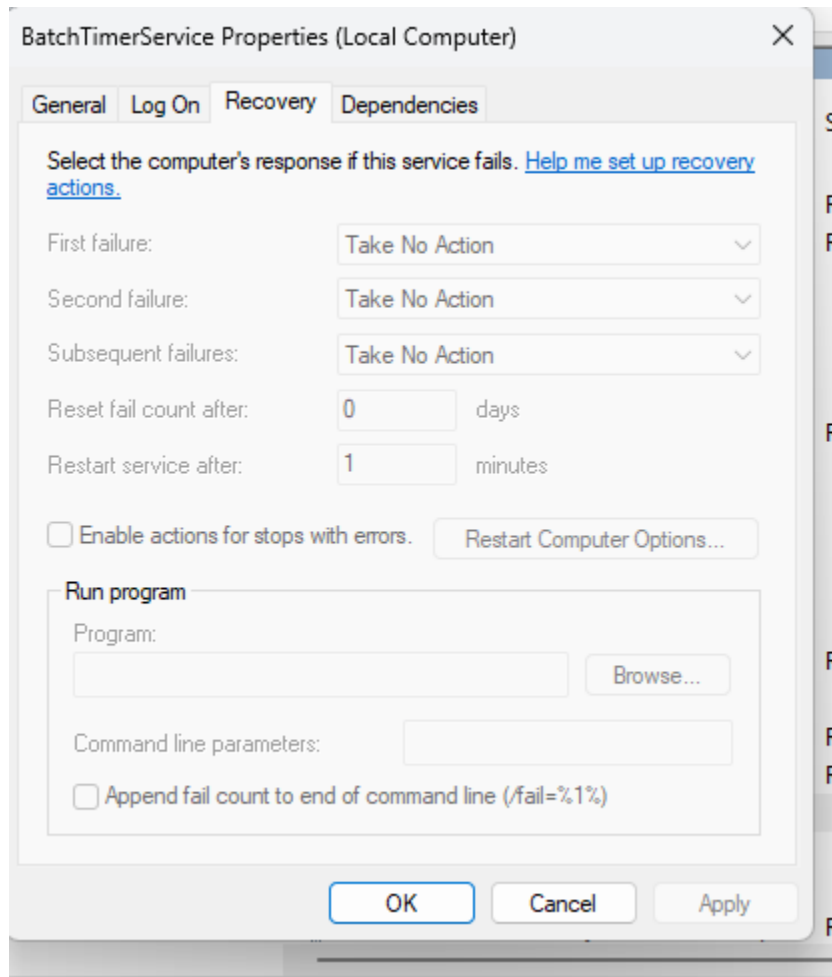
```
@echo off
set /p seconds=Enter the countdown time in seconds:
:countdown
if %seconds% gtr 0 (
    echo Time remaining: %seconds% seconds
    timeout /t 1 >nul
    set /a seconds=%seconds%-1
    goto countdown
)
echo Timer finished!
```

7. Save the batch file in Z:\lastname_timer.bat
8. Use the sc command to add timer.bat service in the command line interface.
`sc create BatchTimerService binPath= "Z:_bat" start= auto`
`net start BatchTimerService`

Replace path_to_your_batch_file.bat with the actual path to your batch file.

9. Verify that BatchTimerService has been added to the services.

SS:



10. **Testing the Service:** Now, if you open a new command prompt, you should see the timer countdown without requiring your interaction. Once the timer finishes, you'll see the "Timer finished!" message.

SS:

Rubric

Criteria	Excellent (10)	Good (7)	Needs Improvement (3)	Unsatisfactory (1)
Understanding of Services	Demonstrates a deep understanding of the concept of services,	Shows a solid understanding of services, but may	Has a basic understanding of services, but may	Shows little or no understanding of services.

	their roles, and their importance in Windows.	lack some depth in specific areas.	struggle with specific concepts.	
Service Management Skills	Successfully starts, stops, restarts, and configures services using the Services app.	Demonstrates proficiency in managing services, but may encounter minor difficulties.	Can perform basic service management tasks, but may need assistance or guidance.	Struggles to perform even basic service management tasks.
Custom Service Creation	Successfully creates and manages a custom service using the appropriate tools and techniques.	Can create a custom service, but may encounter minor difficulties or require assistance.	Has limited experience with creating custom services.	Cannot create a custom service.
Problem-Solving	Demonstrates strong problem-solving skills when encountering challenges or errors.	Can effectively troubleshoot and resolve most issues related to service management.	May require assistance to troubleshoot some issues.	Struggles to troubleshoot and resolve issues.
Documentation and Reporting	Provides clear and concise documentation of the lab activities, including relevant screenshots and observations.	Documents the lab activities adequately, but may lack some detail or clarity.	Provides basic documentation, but may be disorganized or incomplete.	Does not provide any documentation or reporting.
Score:	44 /50			