UNIVERSITY OF Baguio

SCHOOL OF INFORMATION AND TECHNOLOGY

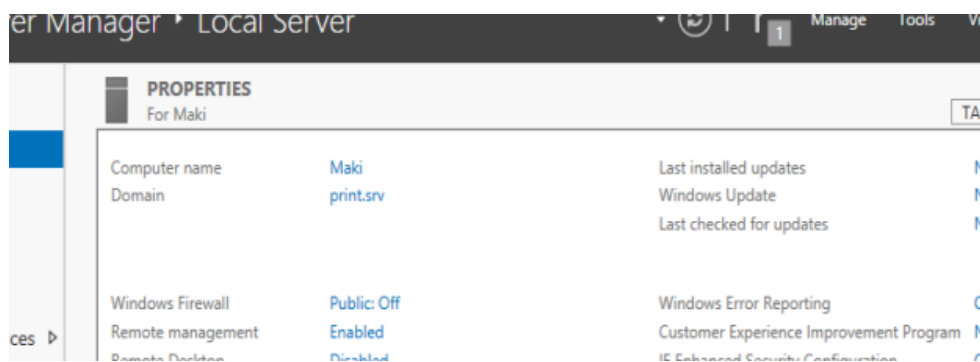| NAME: Cabay Marcial B	DATE PERFORMED:	
Section:IDC1	DATE SUBMITTED:	/50

SYSADM1 – Monitoring Print Services in Windows Server 2019
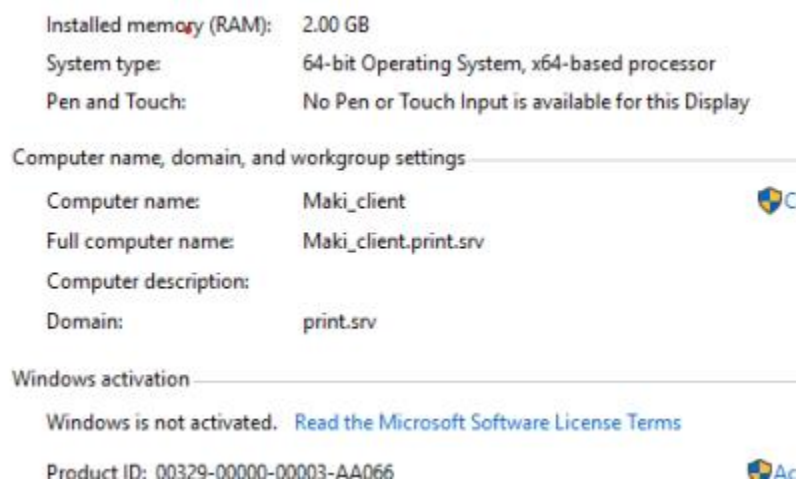
Requirement:

- A virtual machine running Linux and Windows OS

Part 1: Setting Up Print Services

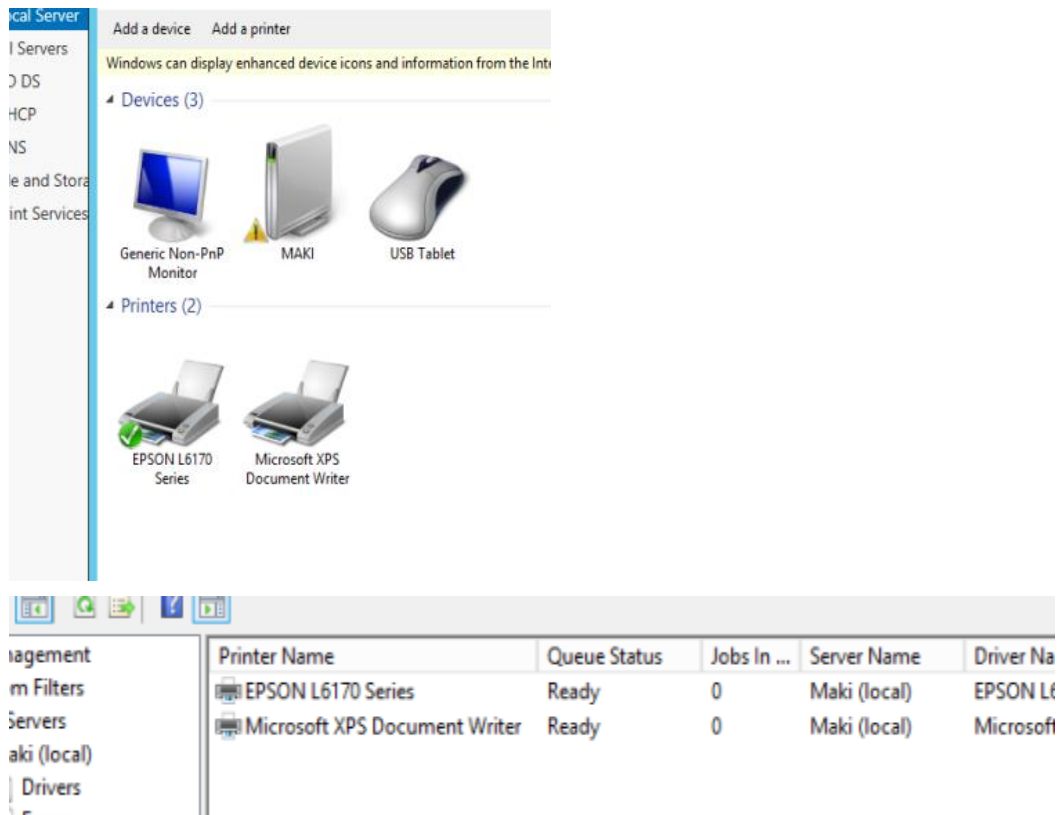1. Install and configure **print.srv** domain

2. Connect one client to the recently created domain
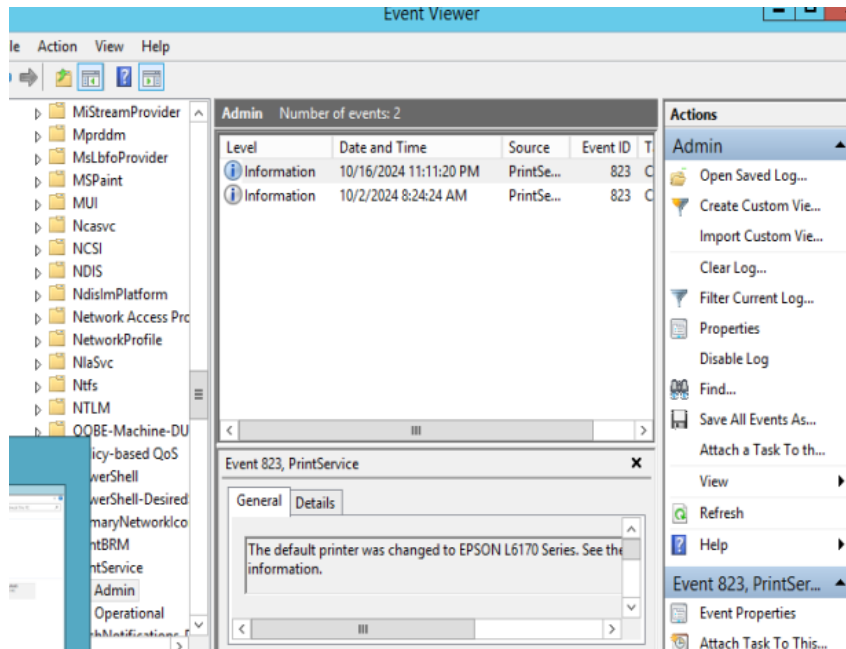

3. Install Print Services Role:

4. Search the internet for any printer installer and convert it to iso
5. Install and deploy it as network printer
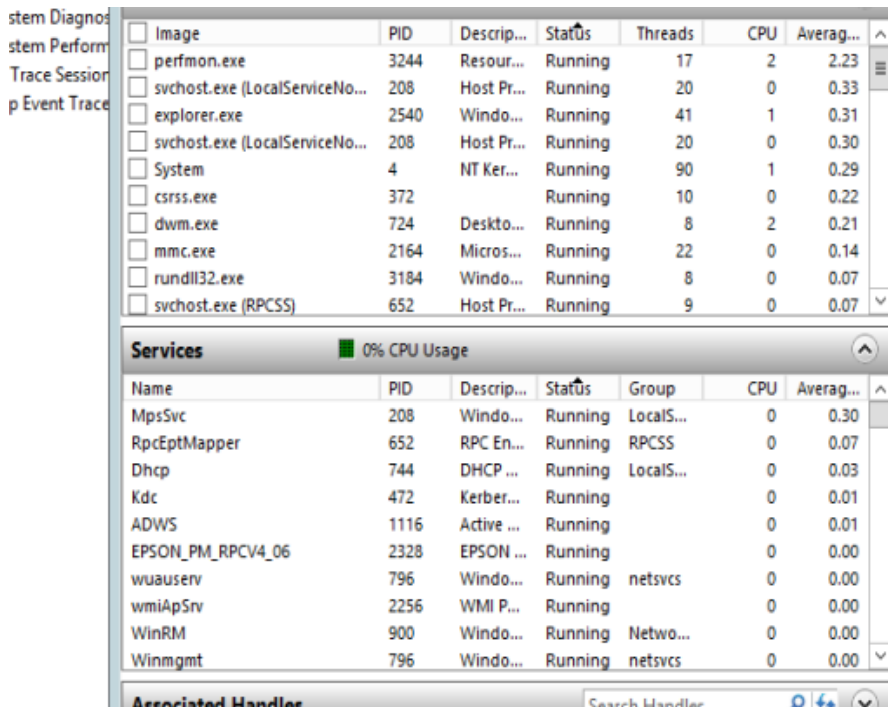

Part 2: Monitoring Print Services

Objective: Familiarize yourself with monitoring tools available in Windows Server 2019.

1. Event Viewer:
   o Open Event Viewer (run eventvwr.msc).
   o Navigate to Applications and Services Logs > Microsoft > Windows > PrintService.
   o Review logs for print jobs, errors, and warnings.

2. Performance Monitor:

   o Open Performance Monitor (run perfmon).

   o In the left pane, expand Data Collector Sets > System.

   o Right-click System Performance and select Start.

   o Monitor performance metrics related to print services.

3. Using Print Management Console:

   o Open Print Management from Server Manager.

   o View active print jobs and their status.

o Use the Printers node to check the status of all printers.

Printer Name	Queue Status	Jobs In ...	Server Name	Driver Name
EPSON L6170 Series	Ready	0	Maki (local)	EPSON L6170 S
Microsoft XPS Document Writer	Ready	0	Maki (local)	Microsoft XPS [

EPSON L6170 Series

Jobs	Printer Web Page

Document Name	Job Status	Owner	Pages	Size	Sub

Administrator: Command Prompt

Part 3: Exploring Third-Party Monitoring Tools

1. Research at least two third-party print monitoring tools

o Consider factors such as features, pricing, and compatibility with Windows Server 2019.

- PaperCut:

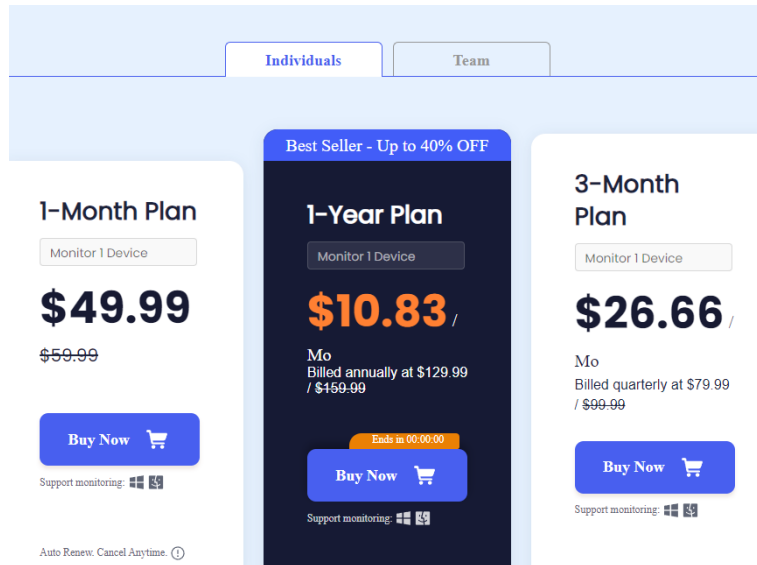   Features: Print Job tracking, user quotas, print job routing, reporting.

    Pricing:

USERS	0-5	25	50	75	100	150	150+
Price (USD)	FREE!	$482	$582	$670	$753	$930	Calculate

    Compatibility: Compatible with server 2019 and other versions.
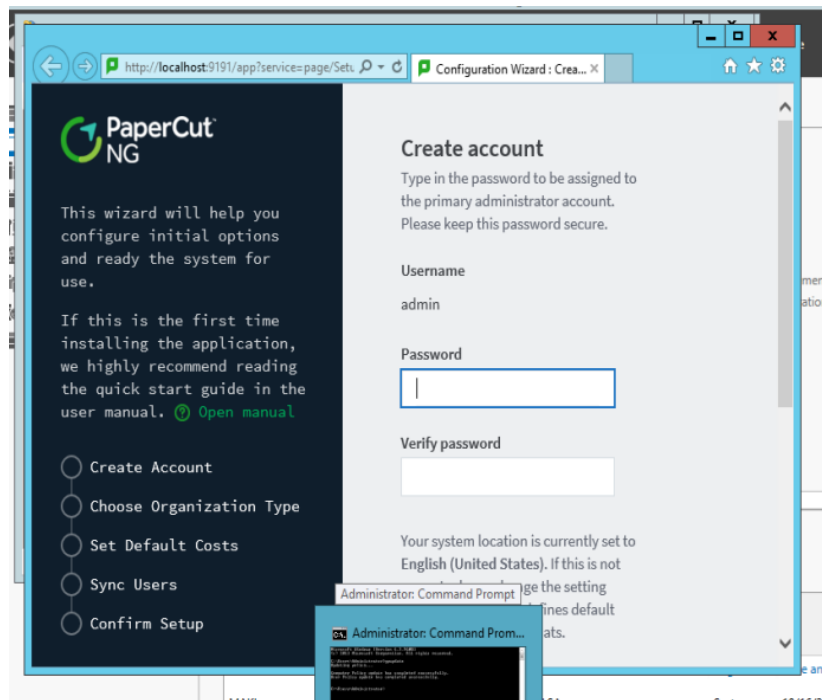
- PrintFleet

    Features: Real-time print monitoring, print job tracking, user activity logs, and detailed reporting.

    Pricing:

Compatibility: compatible with Windows Server 2019.

- o Choose one of the tools to install in your environment.

- o Follow the installation instructions provided by the tool's documentation.
- o Configure it to monitor your print services.

2. Test and Report Findings:
   o Generate a report or dashboard from the tool.
   o Analyze the collected data (e.g., print volume, errors, user activity).

Rubric

Criteria	1 (Unsatisfactory)	2 (Needs Improvement)	3 (Satisfactory)	4 (Good)	5 (Excellent)	Score
Part 1: Setting Up Print Services						
Domain Installation	No domain created	Domain created with errors	Domain created correctly	Domain configured well	Domain configured and documented thoroughly	
Client Connection	Client not connected	Connection attempt failed	Client connected but with issues	Client connected correctly	Client connected and documented well	
Print Services Role Installation	Role not installed	Role installed with issues	Role installed correctly	Role installed and configured	Role installed, configured, and documented thoroughly	
Printer Installer Conversion	No installer found	Installer conversion attempted but failed	Installer converted but not used	Installer converted and used	Installer converted, used, and documented well	
Network Printer Deployment	Printer not deployed	Deployment failed	Printer deployed but not functional	Printer deployed correctly	Printer deployed, tested, and documented well	

Part 2: Monitoring Print Services

Event Viewer Usage	Event Viewer not opened	Opened but no logs reviewed	Logs reviewed but superficial	Logs reviewed with some analysis	Logs reviewed with thorough analysis and documentation
Performance Monitor Usage	Performance Monitor not opened	Opened but no metrics monitored	Metrics monitored but not analyzed	Metrics monitored with some analysis	Metrics monitored, analyzed, and documented thoroughly
Print Management Console Usage	Console not opened	Opened but functionality not used	Active jobs viewed superficially	Active jobs viewed with some detail	Active jobs viewed and documented thoroughly

Part 3: Exploring Third-Party Tools

Research on Tools	No tools researched	Research incomplete	Research on one tool completed	Research on two tools with some analysis	Research on two tools, detailed analysis, and comparison
Installation and Configuration	Tool not installed	Installation failed	Tool installed but not configured	Tool installed and configured with issues	Tool installed, configured, and documented thoroughly
Reporting Findings	No report generated	Report lacks detail	Report generated but lacks analysis	Report generated with some analysis	Comprehensive report with thorough analysis and documentation