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SYS-255

Deliverable 1. Provide a screenshot similar to the one below that shows a SSH session from ad02>linux and the listing of the contents of the transferred task list.

```
PS C:\Users\david.thomsen-adm> ssh david@blog01-david
david@blog01-david's password:
Last login: Tue Nov 16 15:05:04 2021
Last login: Tue Nov 16 15:05:04 2021
[david@blog01-david ~]$ tail -n 5 tasklist.txt
 i e x p l o r e . e x e                              5 7 5 6   C o n s o l e
                   1            4 0 , 6 0 0   K
 i e x p l o r e . e x e                              5 9 8 0   C o n s o l e
                   1            5 5 , 6 2 4   K
 s v c h o s t . e x e                                7 6 4 4   S e r v i c e s
                   0             6 , 1 7 6   K
 t a s k l i s t . e x e                              6 0 6 0   C o n s o l e
                   1             7 , 8 3 2   K
 [david@blog01-david ~]$
```

Deliverable 2. Pull the /etc/passwd file from linux to ad02 using scp or pscp, and provide a screenshot showing the /etc/passwd on ad02.

```
PS C:\Users\david.thomsen-adm> scp blog01-david:/etc/passwd .
david\david.thomsen-adm@blog01-david's password:
passwd                                                100% 1454      1.4KB/s    00:00
PS C:\Users\david.thomsen-adm> cat .\passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:99:99:Nobody:/:/sbin/nologin
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:999:998:User for polkitd:/:/sbin/nologin
libstoragemgmt:x:998:997:daemon account for libstoragemgmt:/var/run/lsm:/sbin/nologin
abrt:x:173:173::/etc/abrt:/sbin/nologin
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
postfix:x:89:89::/var/spool/postfix:/sbin/nologin
chrony:x:997:995::/var/lib/chrony:/sbin/nologin
ntp:x:38:38::/etc/ntp:/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
champuser:x:1000:1000:champuser:/home/champuser:/bin/bash
david:x:1001:1001::/home/david:/bin/bash
tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:/dev/null:/sbin/nologi
n
sssd:x:996:993:User for sssd:/:/sbin/nologin
apache:x:48:48:Apache:/usr/share/httpd:/sbin/nologin
mysql:x:27:27:MariaDB Server:/var/lib/mysql:/sbin/nologin
```

Deliverable 3. Provide a screenshot similar to the one below that shows the transfer and remote listing of the fw1.ifconfig file.

```
[2.5.2-RELEASE][root@fw02-david.david.local]/root: ifconfig > fw1.ifconfig
[2.5.2-RELEASE][root@fw02-david.david.local]/root: head -n 2 fw1.ifconfig
em0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
        description: WAN
[2.5.2-RELEASE][root@fw02-david.david.local]/root: scp fw1.ifconfig david@10.0.5
.20:/tmp
david@10.0.5.20's password:
fw1.ifconfig                                          100% 1334      1.0MB/s    00:00
[2.5.2-RELEASE][root@fw02-david.david.local]/root: ssh -t david@10.0.5.20 "tail
-n 2 /tmp/fw1.ifconfig"
david@10.0.5.20's password:
pfsync0: flags=0<> metric 0 mtu 1500
        groups: pfsync
Connection to 10.0.5.20 closed.
[2.5.2-RELEASE][root@fw02-david.david.local]/root: 
```

Deliverable 4. Provide a screenshot showing the tasklist file served from linux to a web browser.

http://blog01-david:8009/tasklist.txt   Search...

blog01-david

```
Image Name                     PID Session Name        Session#     Mem Usage
========================= ======== ================ =========== ============
System Idle Process              0 Services                   0          8 K
System                           4 Services                   0        156 K
Registry                        68 Services                   0     91,580 K
smss.exe                       260 Services                   0      1,184 K
csrss.exe                      368 Services                   0      5,476 K
csrss.exe                      464 Console                    1      5,432 K
wininit.exe                    472 Services                   0      6,868 K
winlogon.exe                   528 Console                    1     11,308 K
services.exe                   592 Services                   0     13,840 K
lsass.exe                      600 Services                   0     65,500 K
svchost.exe                    780 Services                   0      3,984 K
svchost.exe                    796 Services                   0     22,400 K
svchost.exe                    824 Services                   0     13,004 K
svchost.exe                    868 Services                   0      8,204 K
dwm.exe                        932 Console                    1     60,636 K
svchost.exe                    984 Services                   0      7,088 K
svchost.exe                   1016 Services                   0      8,160 K
svchost.exe                    232 Services                   0      7,452 K
svchost.exe                    312 Services                   0      9,964 K
svchost.exe                    384 Services                   0     11,936 K
svchost.exe                    460 Services                   0      9,516 K
svchost.exe                    656 Services                   0      7,632 K
svchost.exe                    920 Services                   0     20,072 K
svchost.exe                   1140 Services                   0     19,208 K
svchost.exe                   1148 Services                   0     12,680 K
svchost.exe                   1168 Services                   0     14,128 K
svchost.exe                   1192 Services                   0     11,732 K
```
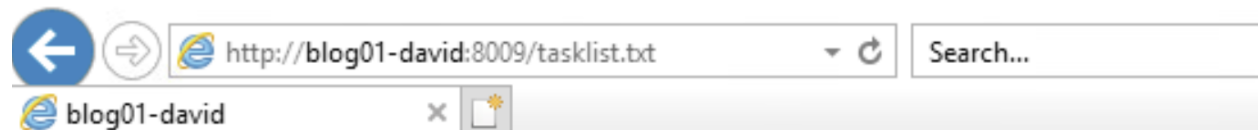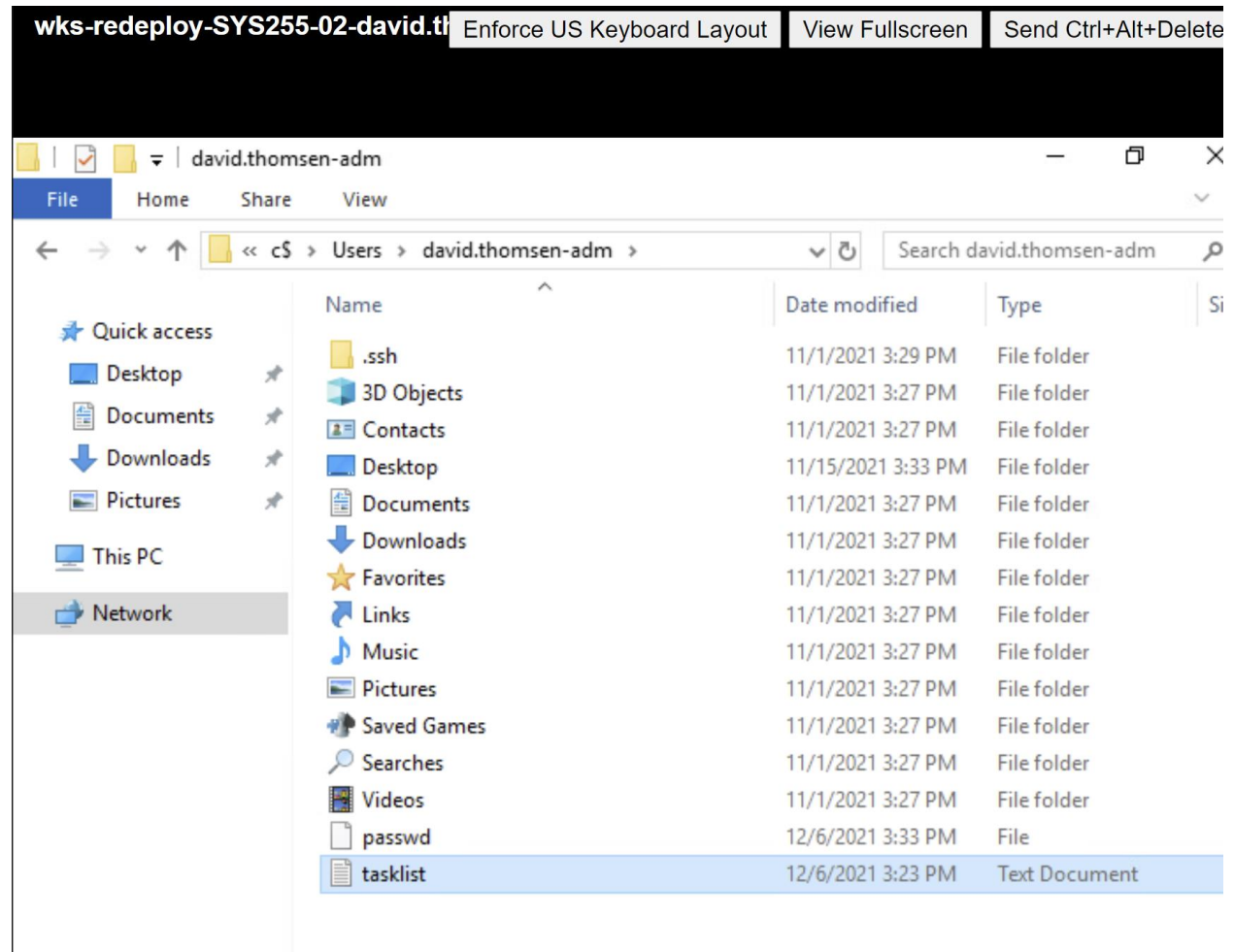
Deliverable 5. Provide a screenshot similar to the one below that shows navigation to ad02's C:\ Drive from wks01 and file being copied from ad02 to your wks02 desktop.

Deliverable 6. Within your remote powershell session on FS01, use the curl command or one of the other aliases for Invoke-WebRequest on fs01 to pull a file down from the internet. Provide a screenshot similar to the one below that shows the file being pulled down.

```
[fs01-david.david.local]: PS C:\Users\david.thomsen-adm\Documents> curl -o test https://champlain.edu
[fs01-david.david.local]: PS C:\Users\david.thomsen-adm\Documents> more .\test

<!DOCTYPE html>
<!--[if IE 7]>          <html class="no-js ie ie7 lt-ie9 lt-ie8" xmlns:og="http://ogp.me/ns#" lang="en"> <![endif]-->
<!--[if IE 8]>          <html class="no-js ie ie8 lt-ie9" xmlns:og="http://ogp.me/ns#" lang="en"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js " xmlns:og="http://ogp.me/ns#" lang="en"> <!--<![endif]-->

        <head>
                <meta charset="utf-8">
                <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1" />
                <meta name="viewport" content="width=device-width, initial-scale=1">      Activate Windows
                <meta name="description" content="Since 1878, Champlain College in Burlington, Vermont, has provided
 a hands-on, relevant education that thoroughly prepares its students for the needs of emerging and changing career
fields, as well as public-service organizations and graduate studies." />           Windows.
```

Deliverable 7. Investigate the Copy-Item and Get-Content commands on ad02. They can both be used to copy and list the remote file contents of the tasklist file transferred from ad02 to fs01. Provide a screenshot similar to the one below:

ad-assessment-SYS255-02-david.thomsen   [Enforce US Keyboard Layout] [View Fullscreen] [S

```
Administrator: Windows PowerShell
PS C:\Users\david.thomsen-adm> ls .\tasklist.txt


    Directory: C:\Users\david.thomsen-adm


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
-a----         12/6/2021   3:23 PM          17166 tasklist.txt


PS C:\Users\david.thomsen-adm> Copy-Item -Path .\tasklist.txt -Destination \\FS01-david\C$
PS C:\Users\david.thomsen-adm> Get-Content \\FS01-david\C$/tasklist.txt -Tail 4
iexplore.exe                 5756 Console                1       40,600 K
iexplore.exe                 5980 Console                1       55,624 K
svchost.exe                  7644 Services               0        6,176 K
tasklist.exe                 6060 Console                1        7,832 K
PS C:\Users\david.thomsen-adm>
```
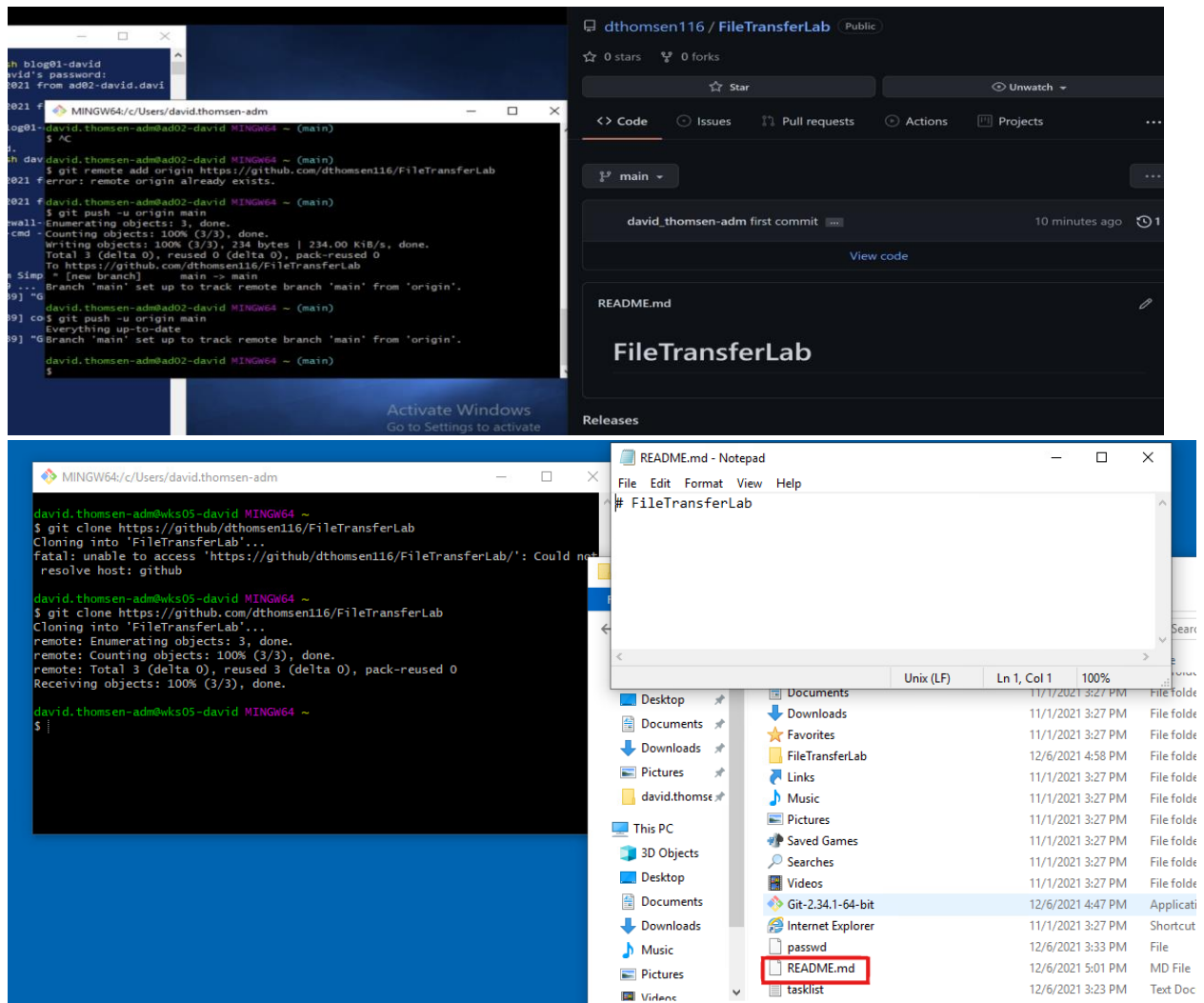
Deliverables 8,9,10

Investigate how to use git clients on Windows and Linux to save, clone and update repositories. Provide 3 Screenshots that show the contents of a new git repo called "FileTransferLab" …

- on github (Deliverable 8)
- and that same repository on linux (Deliverable 9)

- and one of your Windows systems (Deliverable 10)