Linux Assessment

You will notice that your environment has been modified. You no longer have a web server. That system has been replaced by **blog01**.
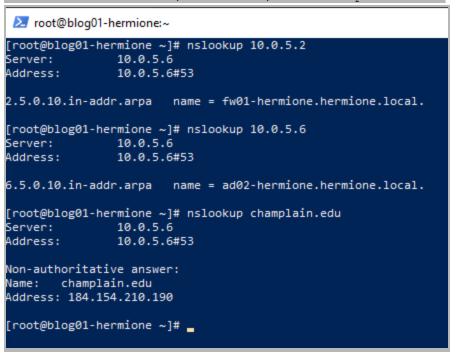
Constraints

- Open internet, open notes, but <u>not</u> open e-neighbor. You are ON YOUR OWN for the submission, so no communications with another student.
- Submit your deliverables within **24 hours** of the end of this class for a chance at 100%.
- If the assessment goes terribly wrong, then you have the option of submitting late as a normal lab:
  - -10% for each day late
  - -100% for no submission prior to next week

Requirements

- <u>Normal setup</u> like any host in your infrastructure, with an IP of .20
- Join blog01 to your AD domain after a snap
- Login to blog01 via PuTTY or Powershell/ssh from a Windows System as a Domain user
- Install & configure a blog or content management system on blog01
- Demonstrate your working blog

Deliverable 1. Provide a screenshot of a successful SSH session from a Windows system to blog01 showing Login as a named user (<u>not</u> root), your elevation to root, and attempts to ping google.com, ad02-name and fw02-name.

```
 root@blog01-hermione:~

Windows PowerShell
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PS C:\Users\hermione.granger-adm> ssh hermione@blog01-hermione
The authenticity of host 'blog01-hermione (10.0.5.20)' can't be established.
ECDSA key fingerprint is SHA256:yXE58/ZcBq/u2LfFKhvWxqugQaSEReHqKflx608o43o.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'blog01-hermione,10.0.5.20' (ECDSA) to the list of known hosts.
hermione@blog01-hermione's password:
[hermione@blog01-hermione ~]$ sudo -i

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

    #1) Respect the privacy of others.
    #2) Think before you type.
    #3) With great power comes great responsibility.

[sudo] password for hermione:
[root@blog01-hermione ~]#
```

Deliverable 2. Provide a screenshot of a successful SSH session from a Windows System to blog01 showing a nslookup for following addresses: 10.0.5.2, 10.0.5.6, and champlain.edu.


```
root@blog01-hermione:~

[root@blog01-hermione ~]# nslookup 10.0.5.2
Server:        10.0.5.6
Address:       10.0.5.6#53

2.5.0.10.in-addr.arpa    name = fw01-hermione.hermione.local.

[root@blog01-hermione ~]# nslookup 10.0.5.6
Server:        10.0.5.6
Address:       10.0.5.6#53

6.5.0.10.in-addr.arpa    name = ad02-hermione.hermione.local.

[root@blog01-hermione ~]# nslookup champlain.edu
Server:        10.0.5.6
Address:       10.0.5.6#53

Non-authoritative answer:
Name:   champlain.edu
Address: 184.154.210.190

[root@blog01-hermione ~]#
```

Deliverable 3. Provide a screenshot of your SSH session from a Windows System to blog01 showing the yourname-adm AD account login after joining it to your AD domain, its home directory creation, and the id command.


```
hermione.granger-adm@hermione.local@blog01-hermione:~                    —    □    ×

PS C:\Users\hermione.granger-adm> ssh hermione.granger-adm@hermione.local@blog01-hermione
hermione.granger-adm@hermione.@blog01-hermione's password:
Creating home directory for hermione.granger-adm@hermione.local.
Last failed login: Sat Nov  9 13:47:40 EST 2019 from ad02-hermione.hermione.local on ssh:notty
There were 4 failed login attempts since the last successful login.
[hermione.granger-adm@hermione.local@blog01-hermione ~]$ id
uid=258401105(hermione.granger-adm@hermione.local) gid=258400513(domain users@hermione.local) groups=258400513(domain us
ers@hermione.local),258400512(domain admins@hermione.local),258400572(denied rodc password replication group@hermione.lo
cal) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[hermione.granger-adm@hermione.local@blog01-hermione ~]$
```

Deliverable 4. Provide a screenshot showing a browsing session from wks01 to your blog01's home page (browse by hostname). Your blog home page should have a blog entry with your name prominently displayed, and include the URL of the chosen blog solution. Meme's are always appreciated.