


Deliverable 1. Using PuTTY or SSH from AD02 to Web01, provide a screenshot that shows:

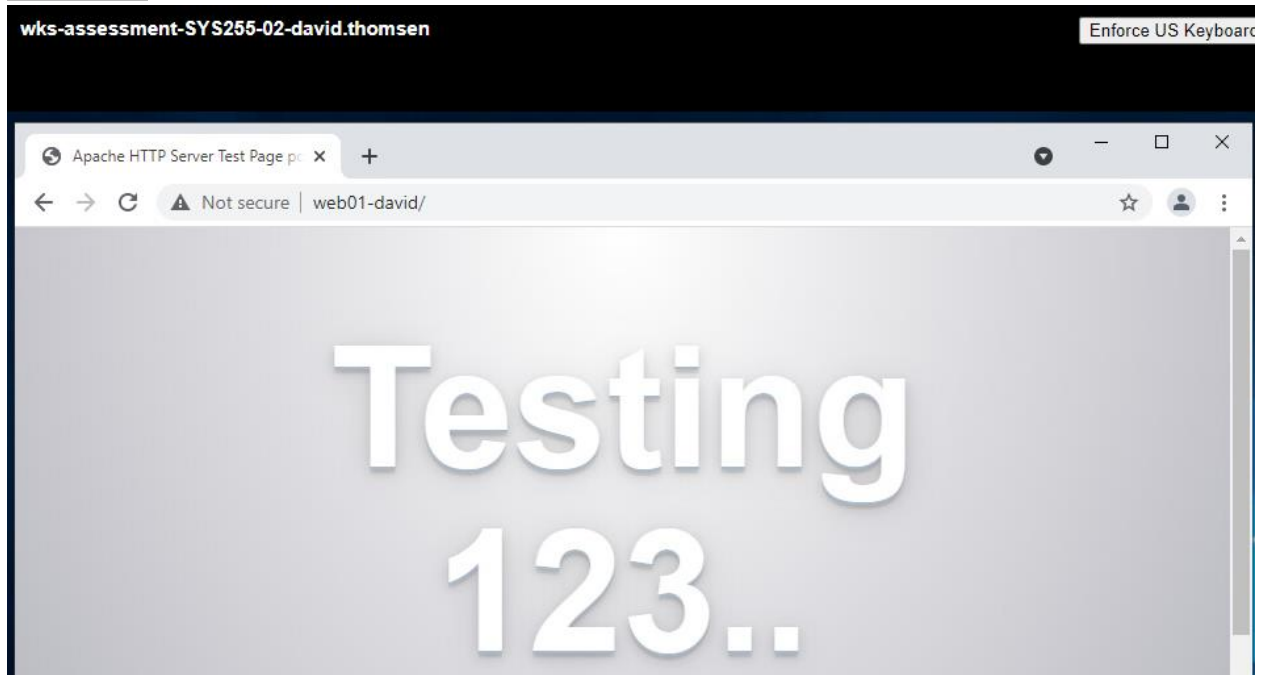
 root@web01-david:~

```
C:\Users\david.thomsen-adm>ssh david@web01-david
david@web01-david's password:
Last login: Mon Nov  1 13:48:45 2021
[david@web01-david ~]$ nslookup 10.0.5.4 | grep name
4.5.0.10.in-addr.arpa    name = web01-david.david.local.
[david@web01-david ~]$ sudo -i
[sudo] password for david:
[root@web01-david ~]# ping -c1 champlain.edu | grep packet
1 packets transmitted, 1 received, 0% packet loss, time 0ms
[root@web01-david ~]#
```

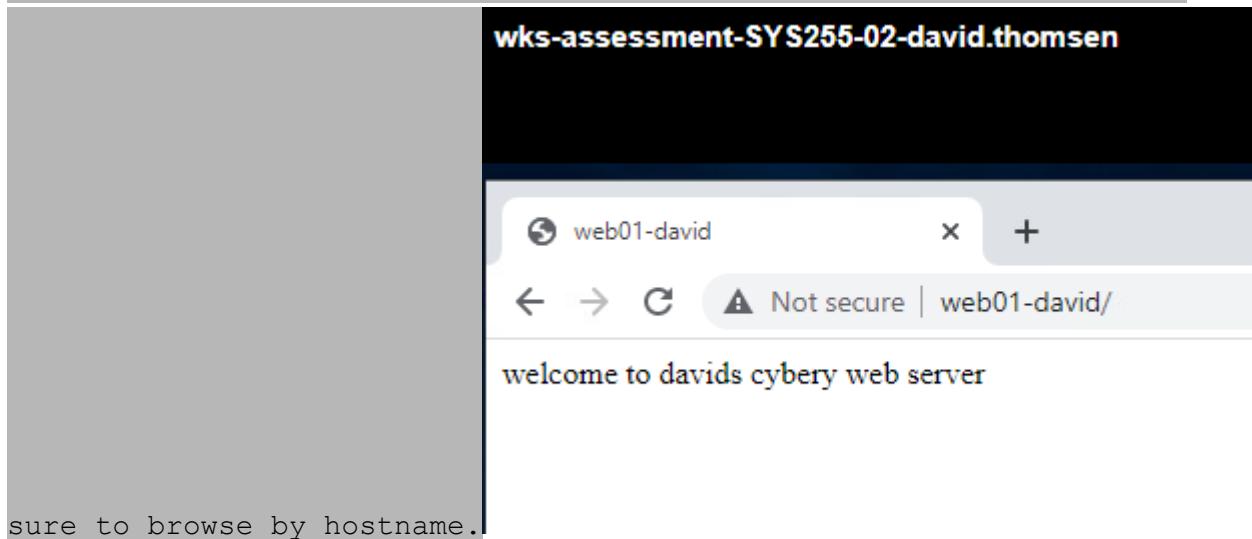
Deliverable 2. Provide the output of firewall-cmd --list-all

```
[david@web01-david ~]$ sudo firewall-cmd --list-all
[sudo] password for david:
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: ens192
  sources:
  services: dhcpv6-client ssh
  ports: 80/tcp 443/tcp
  protocols:
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
```

Deliverable 3. Provide a screenshot showing wks browsing to web01 by hostname



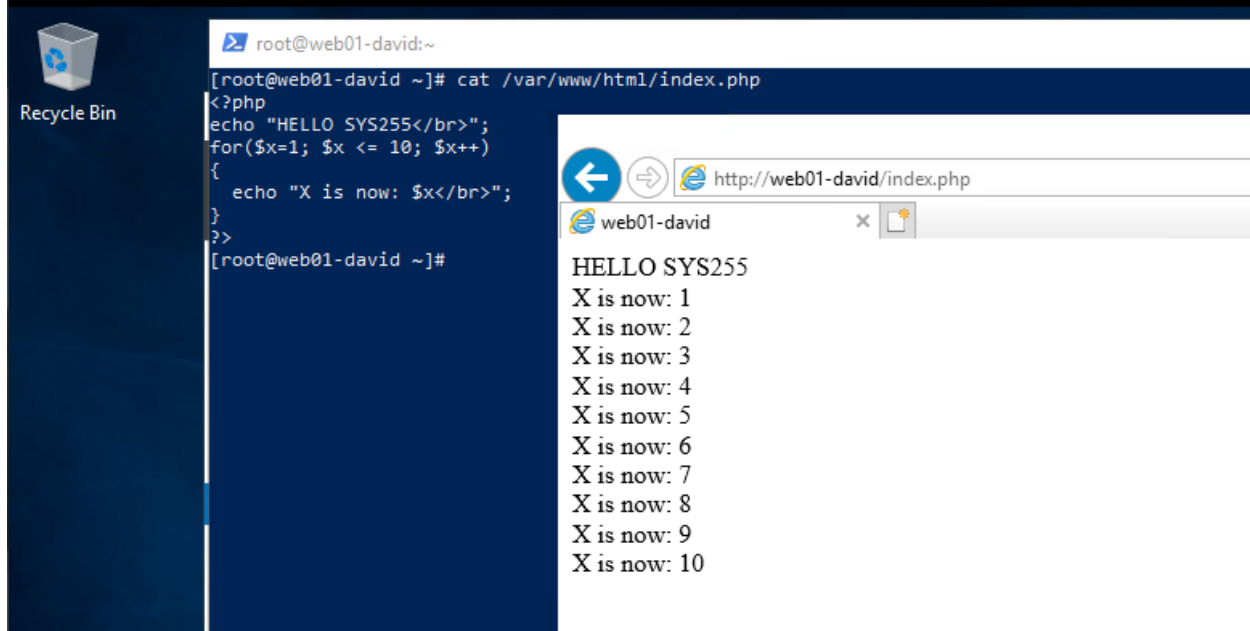
Deliverable 4. Provide a screenshot similar to the one below, make



sure to browse by hostname.

Deliverable 5. You can either use & modify the script shown below, or develop your own. Provide a screenshot showing both the PHP code and how it is rendered similar to the screenshot below. Make sure you access this site by hostname.

ad-assessment-SYS255-02-david.thomsen



The screenshot shows a desktop environment with a Recycle Bin icon on the left. A terminal window is open, displaying the following commands and output:

```
root@web01-david:~  
[root@web01-david ~]# cat /var/www/html/index.php  
<?php  
echo "HELLO SYS255<br>";  
for($x=1; $x <= 10; $x++)  
{  
    echo "X is now: $x<br>";  
}  
?>  
[root@web01-david ~]#
```

To the right of the terminal, a web browser window is open, showing the output of the PHP script at the URL <http://web01-david/index.php>. The browser window title is "web01-david". The output displayed is:

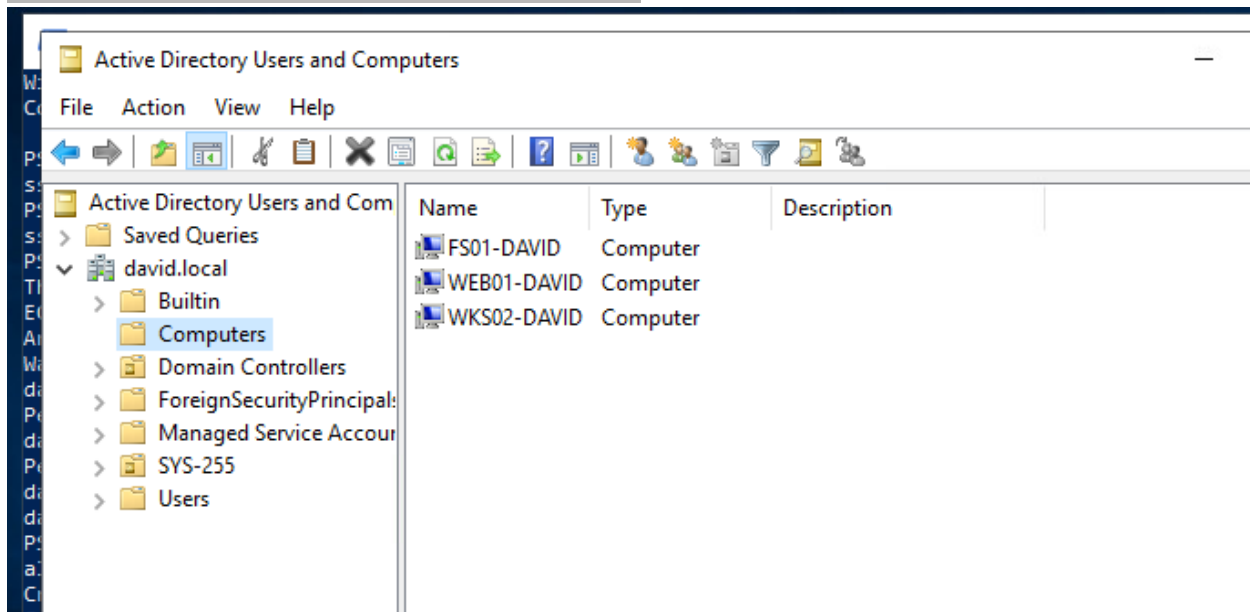
```
HELLO SYS255  
X is now: 1  
X is now: 2  
X is now: 3  
X is now: 4  
X is now: 5  
X is now: 6  
X is now: 7  
X is now: 8  
X is now: 9  
X is now: 10
```

```
[root@web01-david ~]# realm join --user=david.thomsen-adm@david.local david.local  
Password for david.thomsen-adm@david.local:  
[root@web01-david ~]# realm list  
david.local  
    type: kerberos  
    realm-name: DAVID.LOCAL  
    domain-name: david.local  
    configured: kerberos-member  
    server-software: active-directory  
    client-software: sssd  
    required-package: oddjob  
    required-package: oddjob-mkhomedir  
    required-package: sssd  
    required-package: adcli  
    required-package: samba-common-tools  
    login-formats: %U@david.local  
    login-policy: allow-realm-logins  
[root@web01-david ~]# _
```

Deliverable 6. Provide a screenshot showing a domain login via PuTTY or SSH to web01. Issue the `id`, `whoami` and `pwd` commands.

```
Creating home directory for alice@david.local.  
Creating home directory for alice@david.local.  
[alice@david.local@web01-david ~]$ id  
uid=497201108(alice@david.local) gid=497200513(domain users@david.local) groups=497200513(domain users@david.local),497201107(sales-users@david.local) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023  
[alice@david.local@web01-david ~]$ whoami  
alice@david.local  
[alice@david.local@web01-david ~]$ pwd  
/home/alice@david.local  
[alice@david.local@web01-david ~]$
```

Deliverable 7. The realm join operation should add web01 to Active Directory Users and Computers on the Domain Controller. Provide a screenshot similar to the one below:



Tech Journal: https://github.com/dthomsen116/SYS_255/wiki/Thomsen-SYS255-Lab07