

David Thomsen

SYS-255

Deliverable 1. Setup the redeployed WKS with usual configurations used throughout the semester, using a script to tie various commands and cmd-lets.

```
Welcome to David's super cool spot check tool!

First, who are you?
david\david.thomsen-adm

Host:
wks05-david

Domain:                david.local

IPv4 address of the DNS Server
DNS Servers . . . . . : 10.0.5.6

All things DHCP
DHCP Enabled. . . . . : Yes
DHCP Server . . . . . : 10.0.5.8
IPv4 Address. . . . . : 10.0.5.99(Preferred)

Here is the default gateway
Default Gateway . . . . . : 10.0.5.2

Testing the connection... (mcsp.one)

Reply from 217.160.0.8: bytes=32 time=105ms TTL=50
Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
Minimum = 105ms, Maximum = 105ms, Average = 105ms

Testing connection... (champlain.edu)

Reply from 208.115.107.132: bytes=32 time=79ms TTL=48
Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
Minimum = 79ms, Maximum = 79ms, Average = 79ms
```

Testing the name resolution of Firewall and AD Server...

Name : FW02-David.david.local
QueryType : A
TTL : 3600
Section : Answer
IP4Address : 10.0.5.2

Name : AD02-David.david.local
QueryType : A
TTL : 3600
Section : Answer
IP4Address : 10.0.5.6

Press enter to exit:

```
| ``n"

echo "Welcome to David's super cool spot check tool!"
``n"

echo "First, who are you?"
whoami
``n"

echo "Host:"
hostname

systeminfo | Select-String -Pattern "domain"
``n"

echo "IPv4 address of the DNS Server"
ipconfig /all | Select-String -Pattern "dns servers"
``n"

echo "All things DHCP"
ipconfig /all | Select-String -Pattern "DHCP Enabled"
ipconfig /all | Select-String -Pattern "DHCP Server"
ipconfig /all | Select-String -Pattern "ipv4 address"
``n"

echo "Here is the default gateway"
ipconfig /all | Select-String -Pattern "default gateway"
``n"

echo "Testing the connection... (mcsp.one)"
``n"
ping -n 1 mcsp.one | Select-String -Pattern "="
``n"

echo "Testing connection... (champlain.edu)"
``n"
ping -n 1 champlain.edu | Select-String -Pattern "="
``n"

echo "Testing the name resolution of Firewall and AD Server..."
Resolve-DnsName FW02-David
Resolve-DnsName AD02-David

Read-Host -Prompt "Press enter to exit"
```

Deliverable 2. Provide screenshot of DHCP Lease from DHCP Manager displaying WKS05:

