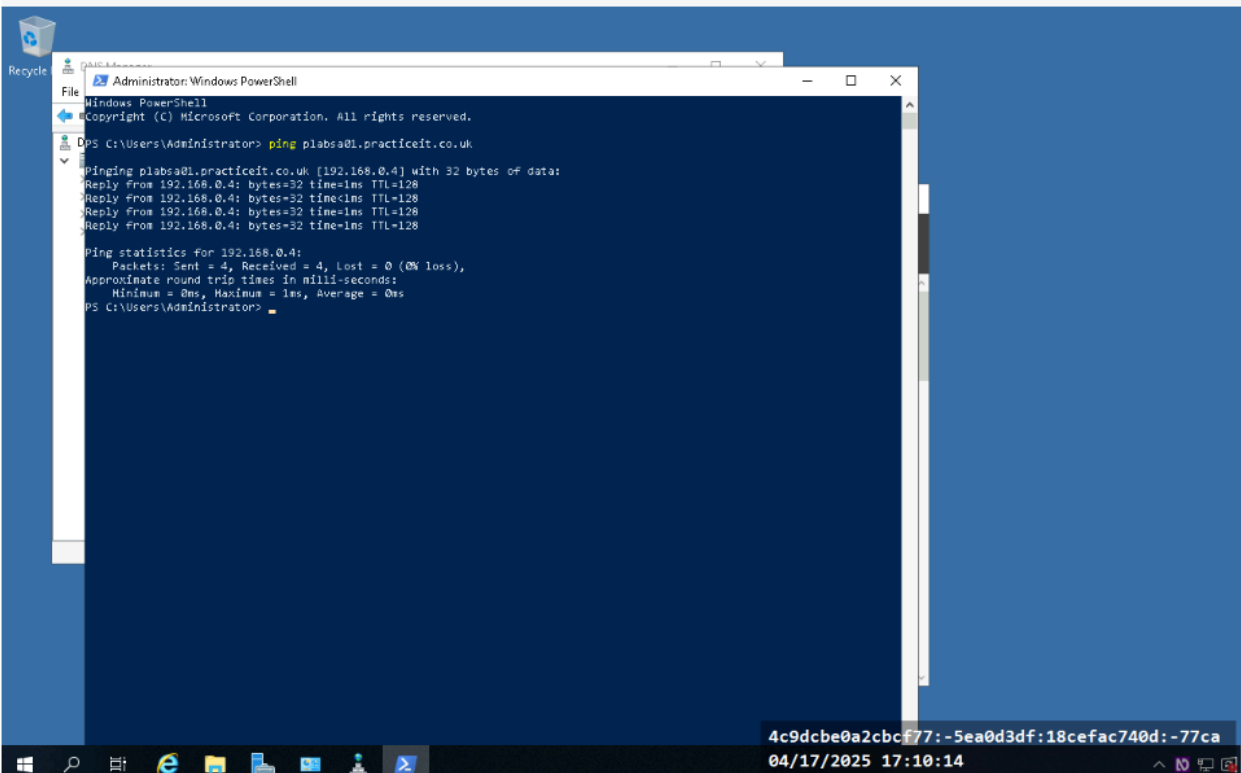


# CYSE 280 Windows System Management and Security

## Lab 8-1: Configuring Server Domain Infrastructure

1. Screenshot Actioned

Item completed: 04/17/2025 04:10 AM  
Value: 0



The screenshot shows a Windows PowerShell terminal window titled "Administrator: Windows PowerShell". The terminal displays the following output for a ping command:

```
PS C:\Users\Administrator> ping plabsa01.practiceit.co.uk

Pinging plabsa01.practiceit.co.uk [192.168.0.4] with 32 bytes of data:
Reply from 192.168.0.4: bytes=32 time=1ms TTL=128
Reply from 192.168.0.4: bytes=32 time<1ms TTL=128
Reply from 192.168.0.4: bytes=32 time=1ms TTL=128
Reply from 192.168.0.4: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
PS C:\Users\Administrator>
```

The screenshot also shows the Windows taskbar at the bottom with the system tray displaying the date and time: 04/17/2025 17:10:14. A taskbar notification area shows a GUID: 4c9dcbe0a2cbcf77: -5ea0d3df:18cefac740d: -77ca.

1.

## 2. Screenshot

Actioned

Item completed: 04/17/2025 04:16 AM  
Value: 0

The screenshot shows the Windows DNS Manager application. The left pane displays the tree view for the server PLABDC01, expanded to show the Forward Lookup Zones for the domain PRACTICELABS.COM. The right pane shows a table of DNS records:

| Name                    | Type             | Data                        | Timestamp |
|-------------------------|------------------|-----------------------------|-----------|
| (same as parent folder) | Name Server (NS) | plabdm01.practicelabs.co... |           |

Below the table, there is a section titled "ROLES AND SERVER GROUPS" with the text "Roles: 3 | Server groups: 1 | Servers total: 1".

The Windows taskbar at the bottom shows the system tray with the date and time: 04/17/2025 17:16:16. A system information box in the bottom right corner displays the IP address: 4c9dcbe0a2cbcf77: -5ea0d3df:18cefac740d: -77ca.

2.

### 3. Screenshot

Actioned

Item completed: 04/17/2025 04:29 AM  
Value: 0

The screenshot shows a Windows PowerShell terminal window with the following commands and output:

```
PS C:\Users\Administrator> Import-Module DnsServer
PS C:\Users\Administrator> Add-DnsServerClientSubnet -Name "EMEA" -IPv4Subnet "192.168.0.0/24"
PS C:\Users\Administrator> Add-DnsServerClientSubnet -Name "APAC" -IPv4Subnet "192.168.1.0/24"
PS C:\Users\Administrator> Add-DnsServerZoneScope -ZoneName "PLTEST.com" -Name "EMEAZoneScope"
PS C:\Users\Administrator> Add-DnsServerZoneScope -ZoneName "PLTEST.com" -Name "APACZoneScope"
PS C:\Users\Administrator> Add-DnsServerResourceRecord -ZoneName "PLTEST.com" -A -Name "www" -IPv4Address "192.168.0.1" -ZoneScope "EMEAZoneScope"
PS C:\Users\Administrator> Add-DnsServerResourceRecord -ZoneName "PLTEST.com" -A -Name "www" -IPv4Address "192.168.1.1" -ZoneScope "APACZoneScope"
PS C:\Users\Administrator> Add-DnsServerQueryResolutionPolicy -Name "EMEAPolicy" -Action ALLOW -ClientSubnet "eq,EMEA" -ZoneScope "EMEAZoneScope" -ZoneName "PLTEST.com"
PS C:\Users\Administrator> Add-DnsServerQueryResolutionPolicy -Name "APACPolicy" -Action ALLOW -ClientSubnet "eq,APAC" -ZoneScope "APACZoneScope" -ZoneName "PLTEST.com"
PS C:\Users\Administrator> Add-DnsServerQueryResolutionPolicy -Name "Blocklist" -Action Ignore -Fqdn "EQ,*.pltest.com" -Passthru
```

| Name        | ProcessingOrder | IsEnabled | Action |
|-------------|-----------------|-----------|--------|
| Blocklist 1 |                 | True      | Ignore |

```
PS C:\Users\Administrator> ipconfig /flushdns
Windows IP Configuration

Successfully flushed the DNS Resolver Cache.
PS C:\Users\Administrator> nslookup www.pltest.com
Server: localhost
Address: 127.0.0.1

DNS request timed out.
  timeout was 2 seconds.
DNS request timed out.
  timeout was 2 seconds.
*** Request to localhost timed-out
PS C:\Users\Administrator> Remove-DnsServerQueryResolutionPolicy -Name "Blocklist"
Confirm
Removing the server level policy Blocklist from the DNS server PLABDC01. Do you want to continue?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): Y
PS C:\Users\Administrator>
```

The terminal output also includes a list of DNS policies:

```
4Subnet "192.168.0.0/24"
4Subnet "192.168.1.0/24"
W" -Name "EMEAZoneScope"
W" -Name "APACZoneScope"
ST.COM" -A -Name "www" -IPv4Address "192.168.0.1
ST.COM" -A -Name "www" -IPv4Address "192.168.1.1
MEAPolicy" -Action ALLOW -ClientSubnet "eq,EMEA"
PACPolicy" -Action ALLOW -ClientSubnet "eq,APAC"
```

The taskbar at the bottom shows the system tray with the date and time: 04/17/2025 17:29:06. A taskbar notification shows a Windows (CRLF) window with 111 columns and 8 lines, at 100% zoom.

3.