

How to Configure DHCP with PowerShell

Assume the following:

Server's IP Address is 192.168.1.100

Router's IP Address is: 192.168.1.1

Install DHCP Server Role

```
Install-WindowsFeature -Name 'DHCP' -IncludeManagementTools
```

Authorize the DHCP Server

```
Add-DhcpServerinDC -dnsname "server.company.com" -ipaddress 192.168.1.100
```

Add DHCP Scope – scope name is DHCP Scope.

```
Add-DhcpServerV4Scope -Name "DHCP Scope" -StartRange 192.168.1.150 -EndRange 192.168.1.200 -SubnetMask 255.255.255.0
```

Set Up Lease Duration and activate the scope: 8 day lease

```
Set-DhcpServerV4Scope -ScopeId 192.168.1.0 -LeaseDuration 8.00:00:00 -state active
```

Add DNS Server, Router Gateway Options in DHCP

```
Set-DhcpServerV4OptionValue -DnsServer 192.168.1.100 -Router 192.168.1.1
```

Restart DHCP Service

```
Restart-service dhcpserver
```

Restart computer

```
Restart-computer
```