Serving DHCP from Windows

Networks Three

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DHCP server configuration on Windows is easy

- The DHCP server is already available on Windows Server 2012, we just need to enable and configure it.
- All of the configuration can be done using PowerShell, so it can be scripted.

Enabling the DHCP server

First, check to see if it is already enabled

```
Get-WindowsFeature -Name DHCP
```

Then, enable it.

```
Add-WindowsFeature -Name DHCP -IncludeManagementTools
```

Create a scope

```
Add-DhcpServerv4Scope -Name Primary -StartRange 172.16.5.151
                      -EndRange 172.16.5.200 -SubnetMask 255
                      -State Active -LeaseDuration 2:00:00
```

Set options for a scope

```
Set-DhcpServerv4OptionValue -ScopeId 172.16.5.151 -Router 172.16.
```

Some relevant options

- Router
- DnsDomainName
- DnsServer
- LeaseDuration D.HH:MM:SS

A question for you to research

How do we create a reservation for a fixed address?

Something I have never figured out

How do we control whether our Windows DHCP server is authoritative?

More Information

http://technet.microsoft.com/en-us/library/jj590751.aspx