Chapter 22 Lab

The .NET Framework contains a class named Dns, which lives within the System.Net namespace. Read its documentation at <http://msdn.microsoft.com/en-us/library/system.net.dns>. Pay special attention to the static GetHostEntry() method. Use this method to return the IP address of [www.MoreLunches.com](http://www.MoreLunches.com).

Here is one possible solution:

Function Resolve-HostIPAddress {

[cmdletbinding()]

Param (

[Parameter(Position=0,Mandatory=$True,

HelpMessage="Enter the name of a host. An FQDN is preferred.")]

[ValidateNotNullorEmpty()]

[string]$Hostname

)

Write-Verbose "Starting Resolve-HostIPAddress"

Write-Verbose "Resolving $hostname to IP Address"

Try {

$data=[system.net.dns]::GetHostEntry($hostname)

#the host might have multiple IP addresses

Write-Verbose "Found $(($data.addresslist | measure-object).Count) address list entries"

$data.AddressList | Select -ExpandProperty IPAddressToString

}

Catch {

Write-Warning "Failed to resolve host $hostname to an IP address"

}

Write-Verbose "Ending Resolve-HostIPAddress"

} #end function

Resolve-HostIPAddress www.morelunches.com -verbose