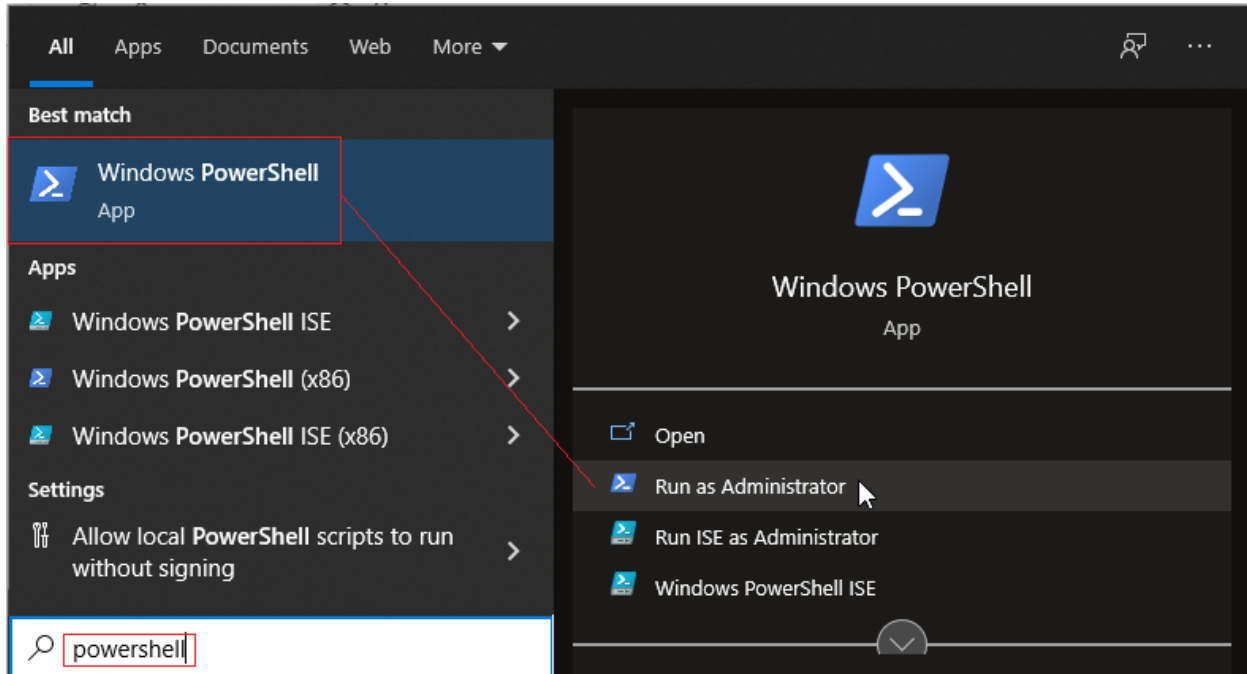# Lab - Using PowerShell to Gather Firewall Information

Overview

In this short lab, you will learn how to use PowerShell to gather information about the status of your Windows Firewall using the Get command.

Select Start. In the search bar, type PowerShell. Then, in the left windowpane, find PowerShell, and in the right windowpane, choose to run as administrator.

Copy/Paste this command in the PowerShell prompt:

You need to identify the default action for the inbound traffic when connects to the domain

```
Get-NetFirewallProfile
```


To view all the inbound rules of your Windows firewall. Use your space bar to see the next line of results. Use your enter key to see the next page of results.

```
 Get-NetFirewallRule | more
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> Get-NetFirewallRule
```

When you need to identify whether any connection security rules are configured for your firewall, this would require that a VPN be in use to see any results.

```
Get-NetIPSecRule
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> Get-NetIPSecRule
```

When you need to identify whether ICMP traffic is being filtered.

```
Get-NetFirewallSetting
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> Get-NetFirewallSetting
```

When you need to know what ports are being filtered, use your space bar to see the next available line in the results. Use your enter key to see the next page of results.

```
Get-NetFirewallPortFilter | more
```
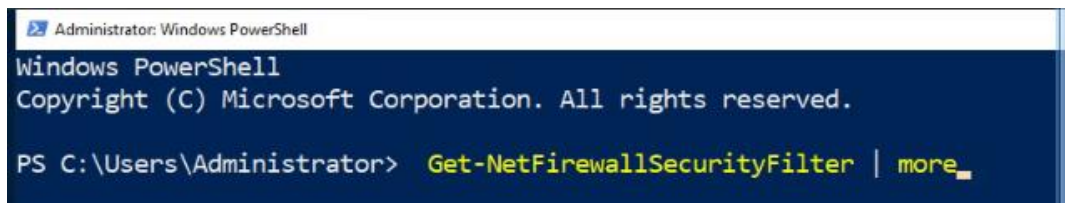
```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator>  Get-NetFirewallPortFilter
```

When you need to see what IP addresses are being filtered.

```
Get-NetFirewallAddressFilter | more
```

When you need to see the current security settings for your Windows firewall.

```
Get-NetFirewallSecurityFilter | more
```


When you need to see what applications are being filtered.

```
Get-NetFirewallApplicationFilter | more
```


Summary –

In this short lab, you got to see how we can use the Get command in Windows PowerShell to obtain status information about our Windows firewall.