

Local Deployment in Windows Machines

There are two types of deployment

1. Local Deployment
2. Global Deployment

1. Local System Deployment

Will run the application on a machine / Will run the application on a group of machines which is connected to local network

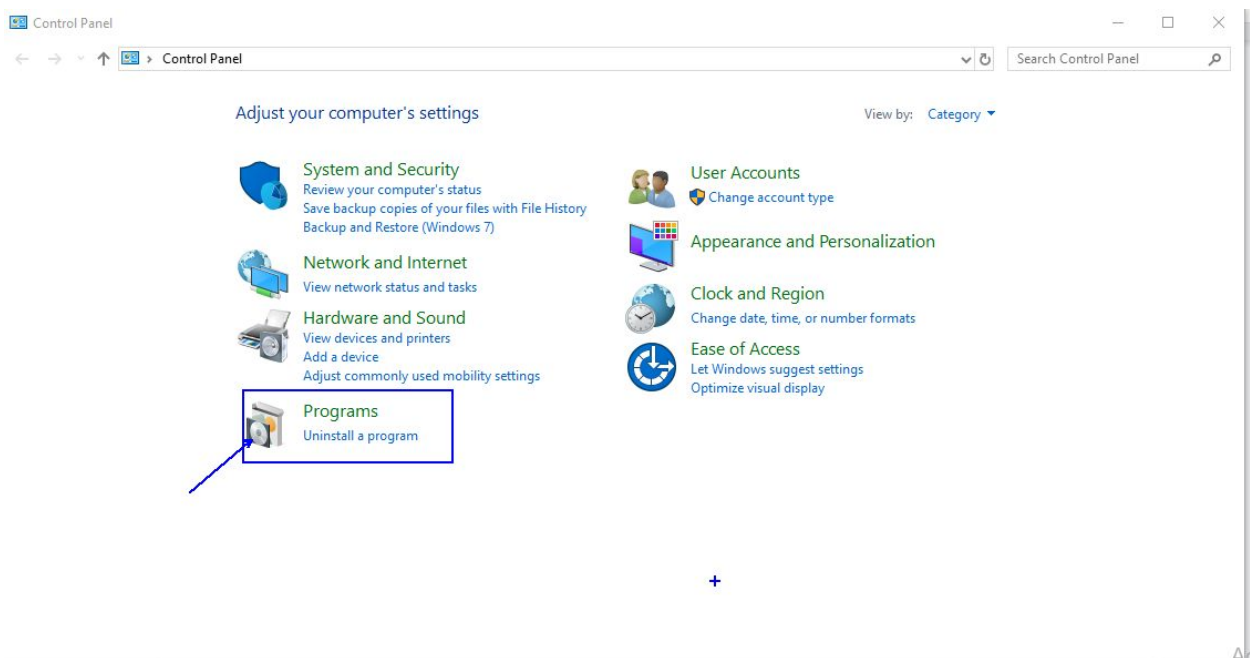
2. Global Deployment

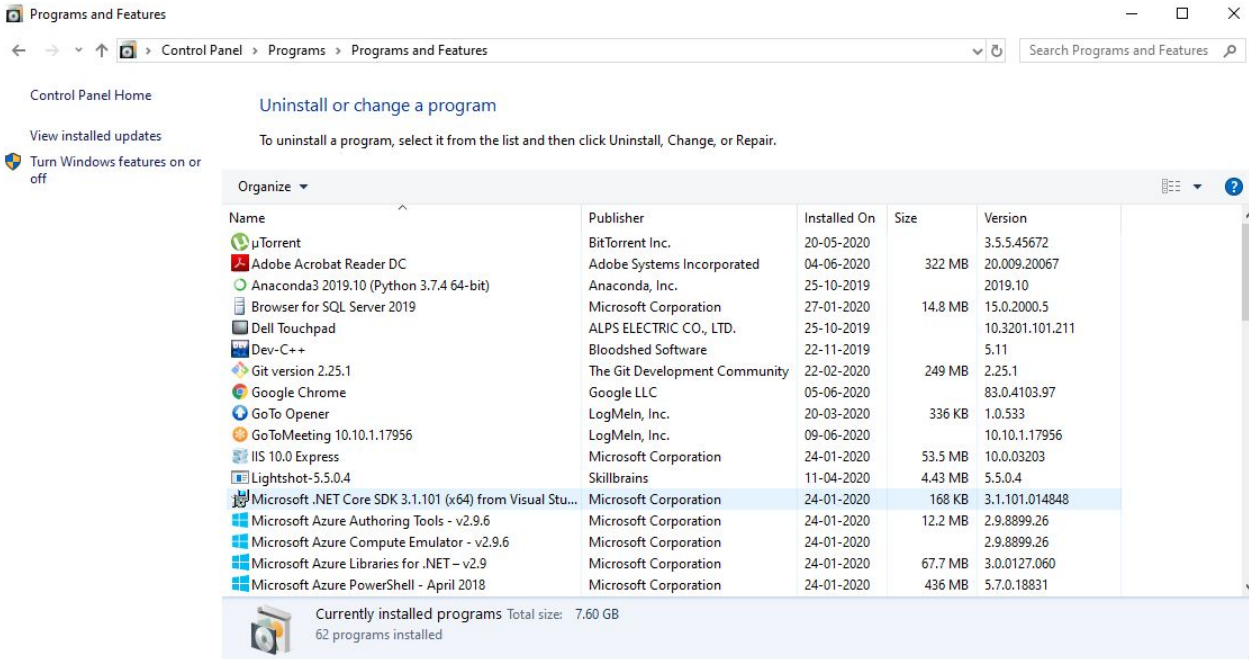
Will run the application any part of the globe with having internet connection

Example: goDaddy, HostIndia.....

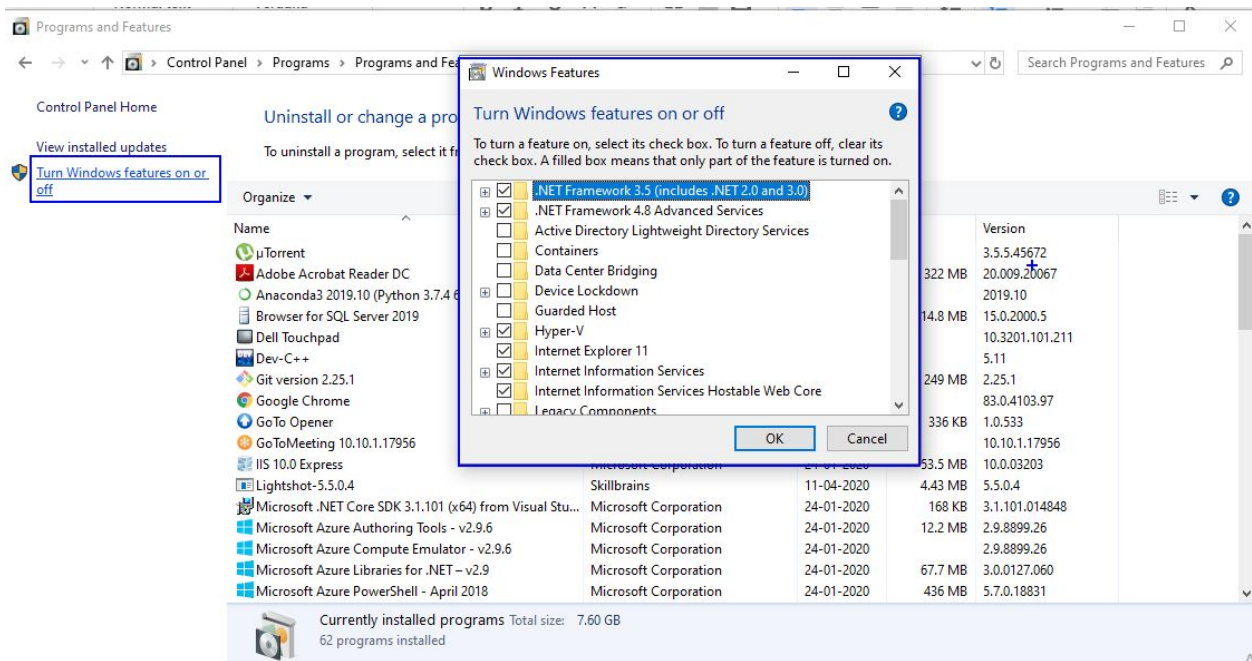
Let's make the setup for the Deployment

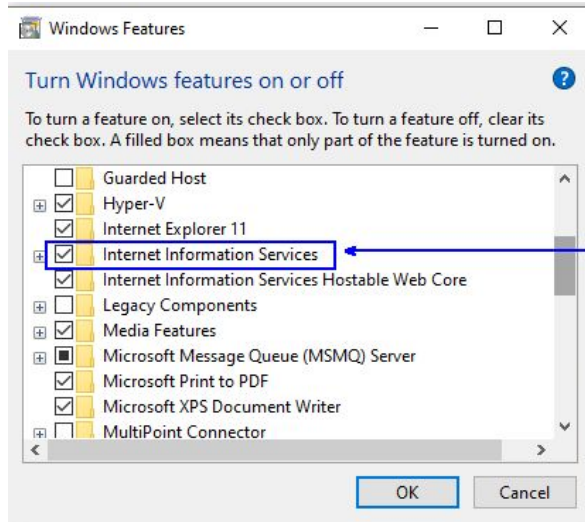
1. Everyone go to control panel and click on Programs option





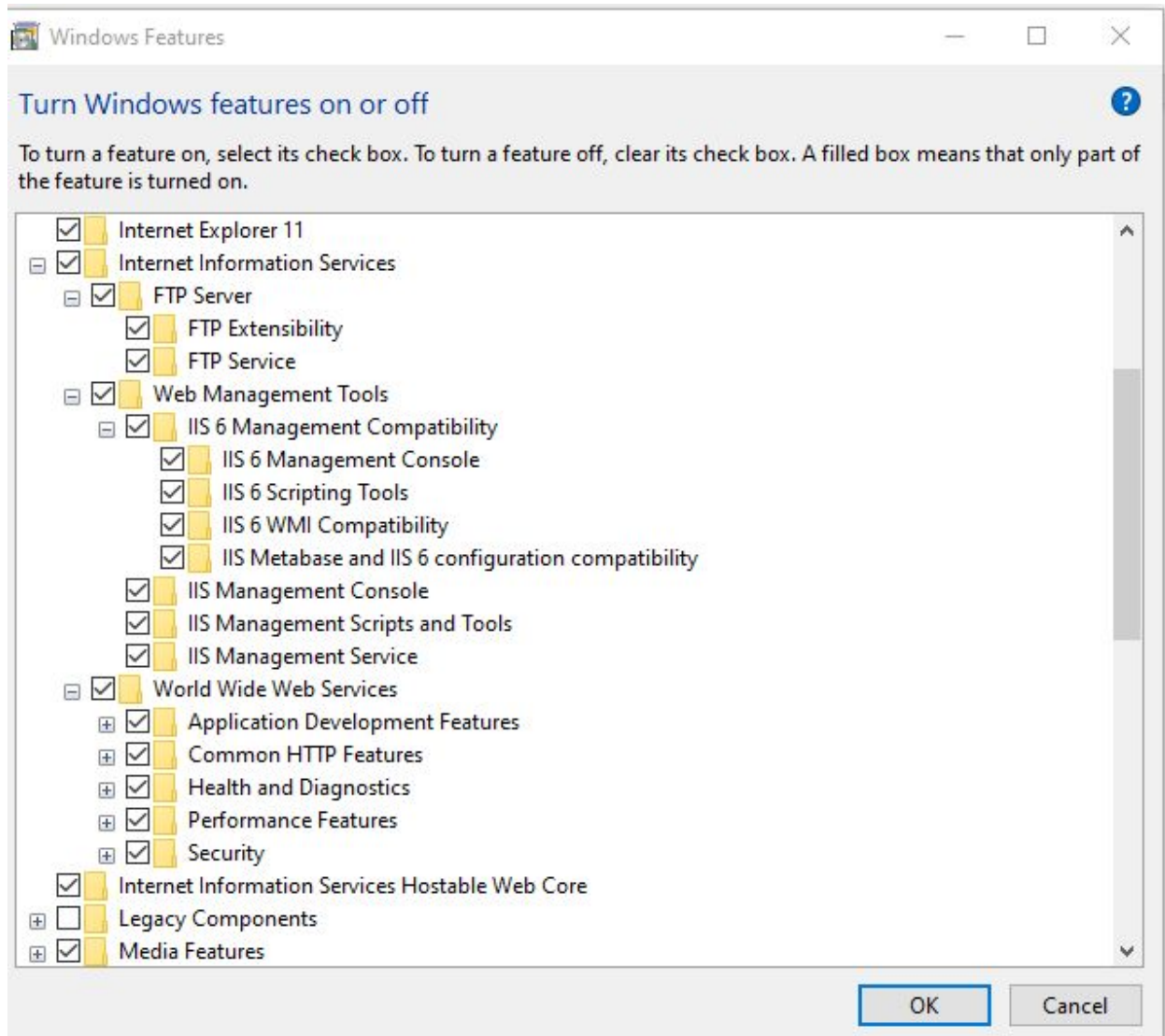
2. Click on Turn windows features on or off which is available on the left side panel

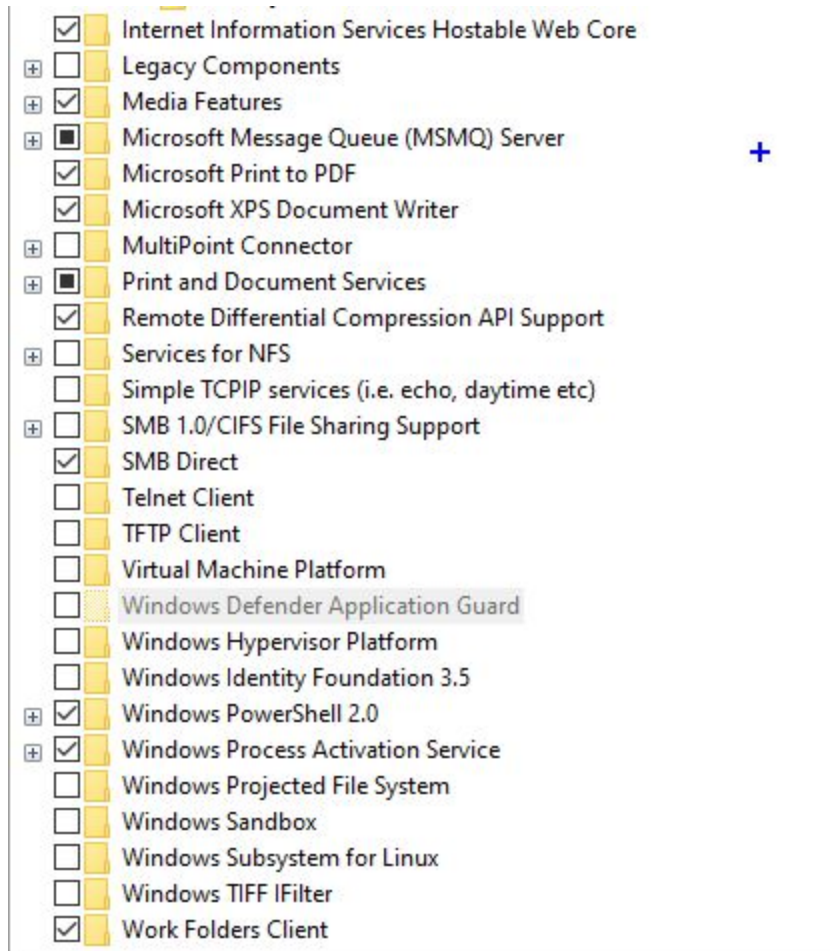




IIS

Deployment
the application|





Deployment using IIS

IIS: Internet Information Services which is available in all windows operating system to deploy the application

Open IIS

All Apps Documents Web More ▾

Best match



**Internet Information Services (IIS)
Manager**

App

Apps



**Internet Information Services (IIS) 6.0
Manager**



Control Panel



Search the web



internet inf - See web results



internet information service
manager



internet information



internet infrastructure



internet influence



internet information technology



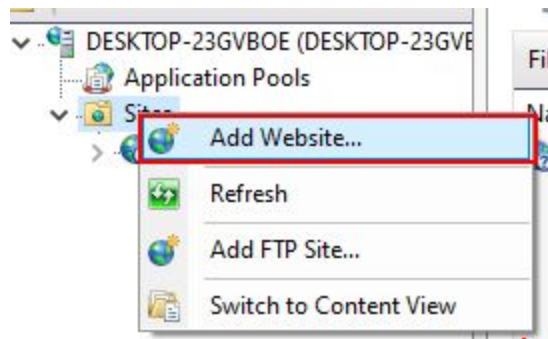
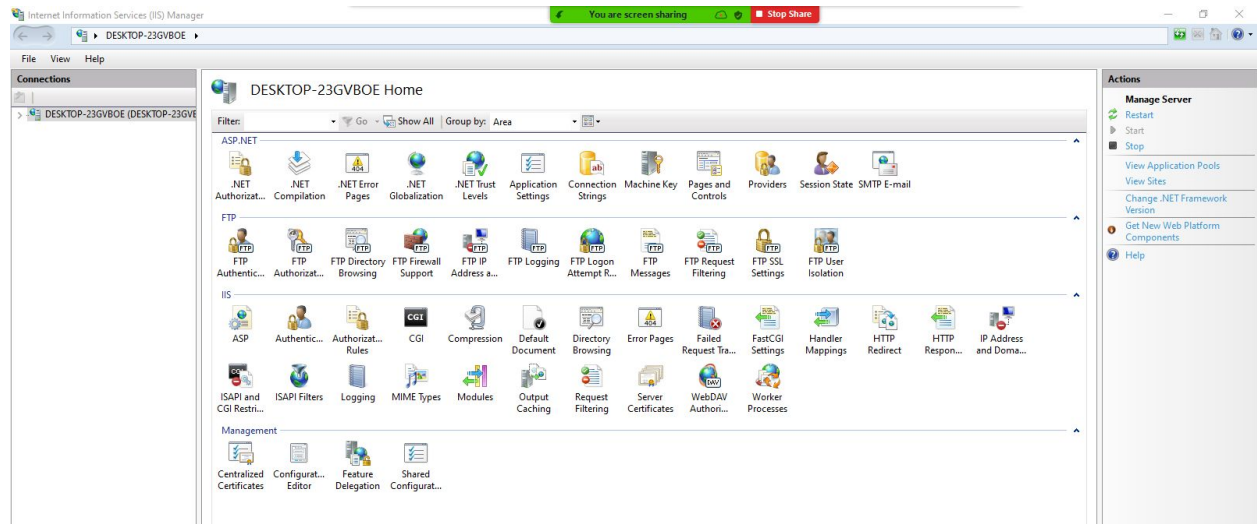
internet information system



internet influencers



internet information Services (IIS) Manager



Add Website



Site name:

MyWebSite

Application pool:

MyWebSite

Select...

Content Directory

Physical path:



Pass-through authentication

Connect as...

Test Settings...

Binding

Type:

http

IP address:

All Unassigned

Port:

80

Host name:

Example: www.contoso.com or marketing.contoso.com

☒ Start Website immediately

OK

Cancel

Add Website



Site name:

MyWebSite

Application pool:

MyWebSite

Select...

Content Directory

Physical path:

E:\Test\HTML-Day9



Pass-through authentication

Connect as...

Test Settings...

Binding

Type:

http



IP address:

All Unassigned



Port:

80

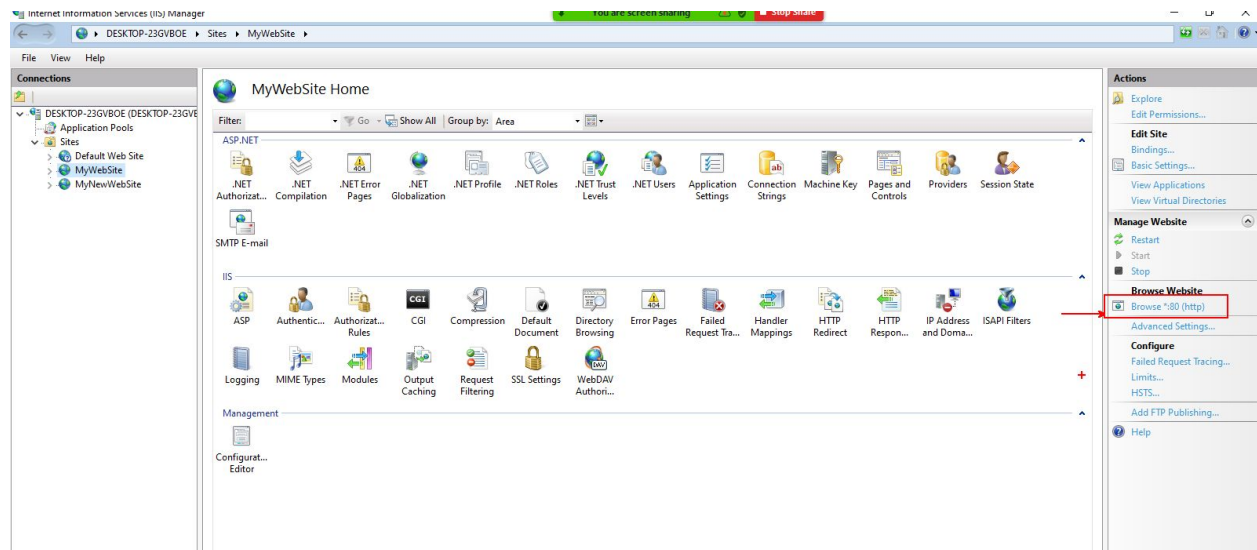
Host name:

Example: www.contoso.com or marketing.contoso.com

☒ Start Website immediately

OK

Cancel



To make the input and output rules for port no 82

All Apps Documents Web More ▾

Best match



Windows Defender Firewall

Control panel

Apps



Windows Defender Firewall with Advanced Security



Settings



Firewall & network protection



Allow an app through Windows Firewall



Windows Security



Find and fix problems with Windows Firewall



Search the web



windows fire - See web results



windows firewall



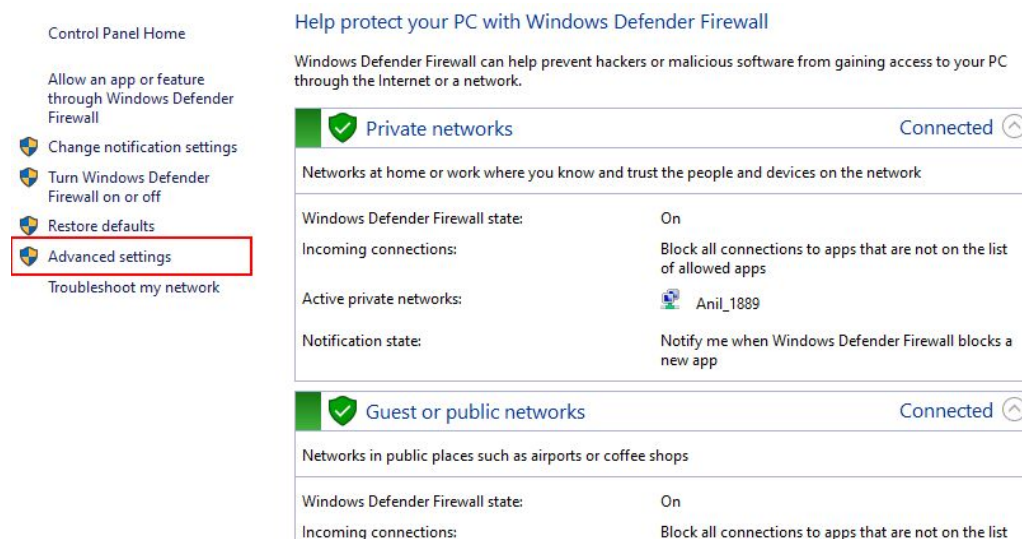
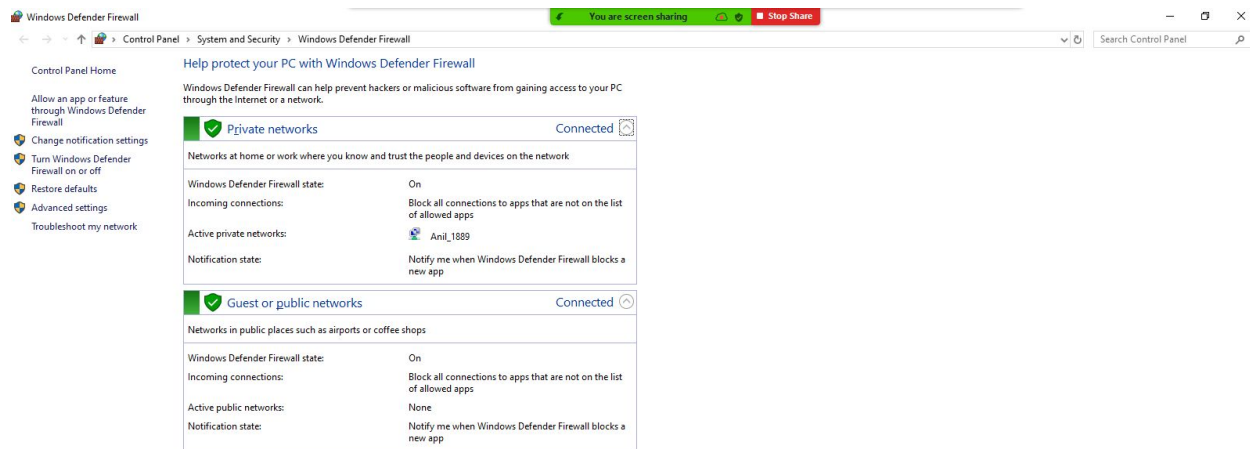
windows firefox



windows firestick



windows fire|



Windows Defender Firewall with Advanced Security

File Action View Help

Windows Defender Firewall with Advanced Security on Local Computer

Overview

Domain Profile

- Windows Defender Firewall is on.
- Inbound connections that do not match a rule are blocked.
- Outbound connections that do not match a rule are allowed.

Private Profile is Active

- Windows Defender Firewall is on.
- Inbound connections that do not match a rule are blocked.
- Outbound connections that do not match a rule are allowed.

Public Profile is Active

- Windows Defender Firewall is on.
- Inbound connections that do not match a rule are blocked.
- Outbound connections that do not match a rule are allowed.

[Windows Defender Firewall Properties](#)

Getting Started

Authenticate communications between computers

Create connection security rules to specify how and when connections between computers are authenticated, or if it comes from an authorized user, group, or computer. By default, inbound connections are blocked unless they match a rule that allows them, and outbound connections are allowed unless they match a rule that blocks them.

[Connection Security Rules](#)

View and create firewall rules

Create firewall rules to allow or block connections to specified programs or ports. You can also allow a connection if it is authenticated, or if it comes from an authorized user, group, or computer. By default, inbound connections are blocked unless they match a rule that allows them, and outbound connections are allowed unless they match a rule that blocks them.

Actions

- Import Policy...
- Export Policy...
- Restore Default Policy
- Diagnose / Repair
- View
- Refresh
- Properties
- Help

Windows Defender Firewall with Advanced Security

File Action View Help

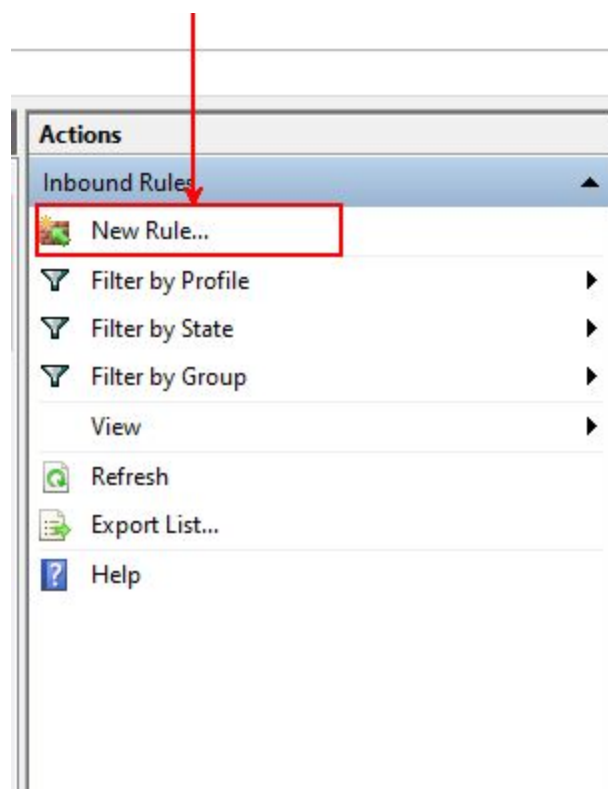
Inbound Rules

| Name | Group | Profile | Enabled | Action | Override | Program | Local Address | Remote Address | Protocol | Local Port |
|--|------------------------------|-----------|---------|--------|----------|--------------|---------------|----------------|----------|------------|
| anydesk.exe | | Public | Yes | Allow | No | C:\Users\... | Any | Any | UDP | Any |
| anydesk.exe | | Public | Yes | Allow | No | C:\Users\... | Any | Any | TCP | Any |
| HNS Container Networking - DNS (UDP-... | | All | Yes | Allow | No | Any | Any | Any | UDP | 53 |
| HNS Container Networking - DNS (UDP-... | | All | Yes | Allow | No | Any | Any | Any | UDP | 53 |
| HNS Container Networking - ICS DNS (T... | | All | Yes | Allow | No | %System... | Any | Any | TCP | 53 |
| HNS Container Networking - ICS DNS (T... | | All | Yes | Allow | No | %System... | Any | Any | TCP | 53 |
| Microsoft Office Groove | | Public | Yes | Allow | No | C:\Progr... | Any | Any | UDP | Any |
| Microsoft Office Groove | | Public | Yes | Allow | No | C:\Progr... | Any | Any | TCP | Any |
| Microsoft Office OneNote | | Public | Yes | Allow | No | C:\Progr... | Any | Any | UDP | Any |
| Microsoft Office OneNote | | Public | Yes | Allow | No | C:\Progr... | Any | Any | TCP | Any |
| Microsoft Office Outlook | | Public | Yes | Allow | No | C:\Progr... | Any | Any | UDP | 6004 |
| Node.js: Server-side JavaScript | | Private | Yes | Allow | No | C:\progr... | Any | Any | UDP | Any |
| Node.js: Server-side JavaScript | | Private | Yes | Allow | No | C:\progr... | Any | Any | TCP | Any |
| Node.js: Server-side JavaScript | | Public | Yes | Block | No | C:\progr... | Any | Any | UDP | Any |
| Node.js: Server-side JavaScript | | Public | Yes | Block | No | C:\progr... | Any | Any | TCP | Any |
| Port 85 | | All | Yes | Allow | No | Any | Any | Any | TCP | 85 |
| Teamviewer Remote Control Application | | Public | Yes | Allow | No | C:\Progr... | Any | Any | UDP | Any |
| Teamviewer Remote Control Application | | Public | Yes | Allow | No | C:\Progr... | Any | Any | TCP | Any |
| Teamviewer Remote Control Application | | Private | Yes | Allow | No | C:\Progr... | Any | Any | UDP | Any |
| Teamviewer Remote Control Application | | Private | Yes | Allow | No | C:\Progr... | Any | Any | TCP | Any |
| Teamviewer Remote Control Service | | Public | Yes | Allow | No | C:\Progr... | Any | Any | UDP | Any |
| Teamviewer Remote Control Service | | Public | Yes | Allow | No | C:\Progr... | Any | Any | TCP | Any |
| Teamviewer Remote Control Service | | Private | Yes | Allow | No | C:\Progr... | Any | Any | UDP | Any |
| Teamviewer Remote Control Service | | Private | Yes | Allow | No | C:\Progr... | Any | Any | TCP | Any |
| uTorrent Web | | Public | Yes | Allow | No | C:\Users\... | Any | Any | TCP | Any |
| uTorrent Web | | Public | Yes | Allow | No | C:\Users\... | Any | Any | UDP | Any |
| uTorrent (TCP-In) | | All | Yes | Allow | No | C:\Users\... | Any | Any | TCP | Any |
| uTorrent (UDP-In) | | All | Yes | Allow | No | C:\Users\... | Any | Any | UDP | Any |
| @(Microsoft.AAD.BrokerPlugin_1000.162... | @(Microsoft.AAD.BrokerPlu... | Domain... | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.MicrosoftEdge_41.16299.15... | @(Microsoft.MicrosoftEdge... | Domain... | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.PPIProjection_10.0.16299.15... | @(Microsoft.PPIProjection... | All | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.PPIProjection_10.0.16299.15... | @(Microsoft.PPIProjection... | Public | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.Windows.CloudExperience... | @(Microsoft.Windows.Clo... | Domain... | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.Windows.CloudExperience... | @(Microsoft.Windows.Clo... | Domain... | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.Windows.CloudExperience... | @(Microsoft.Windows.Clo... | Domain... | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.Windows.Cortana_1.9.6.162... | @(Microsoft.Windows.Cort... | Domain... | Yes | Allow | No | Any | Any | Any | Any | Any |
| @(Microsoft.Windows.Cortana_1.9.6.162... | @(Microsoft.Windows.Cort... | All | Yes | Allow | No | Any | Any | Any | Any | Any |

Actions

- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

Activate Windows
Go to Settings to activate Windows.



New Inbound Rule Wizard

Rule Type

Select the type of firewall rule to create.

Steps:

Rule Type

Protocol and Ports

Action

Profile

Name

What type of rule would you like to create?

☐

Program

Rule that controls connections for a program.

☒

Port

Rule that controls connections for a TCP or UDP port.

☐

Predefined:

@FirewallAPI.dll,-80200

Rule that controls connections for a Windows experience.

☐

Custom

Custom rule.

< Back

Next >

Cancel



Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

- ☒ TCP
☐ UDP

Does this rule apply to all local ports or specific local ports?

- ☐ All local ports
☒ Specific local ports:

Example: 80, 443, 5000-5010

< Back

Next >

Cancel

Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Protocol and Ports
- **Action**
- Profile
- Name

What action should be taken when a connection matches the specified conditions?

☒ **Allow the connection**

This includes connections that are protected with IPsec as well as those are not.

☐ **Allow the connection if it is secure**

This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.

[Customize...](#)

☐ **Block the connection**

< Back

Next >

Cancel

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

When does this rule apply?

☒ **Domain**

Applies when a computer is connected to its corporate domain.

☒ **Private**

Applies when a computer is connected to a private network location, such as a home or work place.

☒ **Public**

Applies when a computer is connected to a public network location.

< Back

Next >

Cancel

New Inbound Rule Wizard

Name

Specify the name and description of this rule.

Steps:

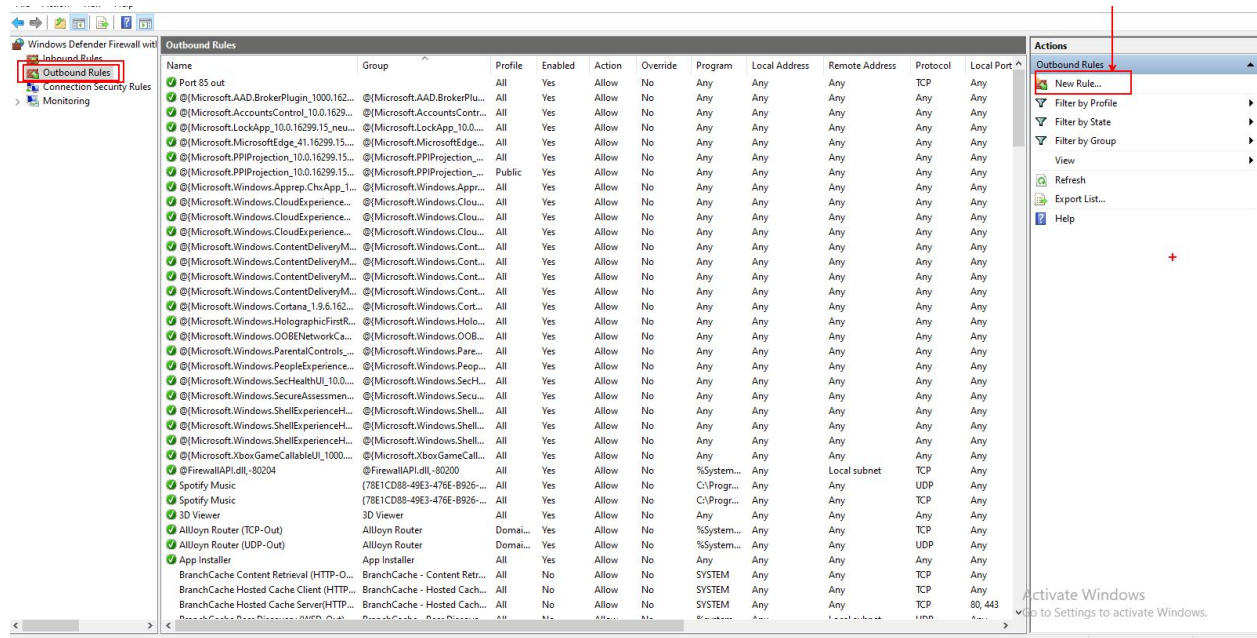
- Rule Type
- Protocol and Ports
- Action
- Profile
- Name**

Name: Port-82

Description (optional):

< Back Finish Cancel

Need to create the Outbound rule as well



You need to same steps as like inbound rules and give any meaningful name at the last step

Task : Create a new Application or website in IIS with the port as 83,
Create the inbound and outbound for the port no 83