

# Configuring Internet Connection Sharing (ICS) on Windows

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Introduction: In this article, we will discuss the topic of Internet Connection Sharing (ICS) and its importance in the Windows environment. ICS allows a computer to share its internet connection with other devices on the same network. We will explore the steps required to configure ICS on Windows, along with practical examples and commands adapted for the Windows environment.

Examples:

## 1. Enabling ICS via Command Prompt (CMD):

- Open Command Prompt as an administrator.
- Type the following command: `netsh routing ip nat install`
- Press Enter to enable ICS on the computer.
- To share the internet connection with another device, connect it to the computer's network port or create a virtual network.

## 2. Enabling ICS via PowerShell:

- Open PowerShell as an administrator.
- Run the command: `Set-NetConnectionSharing -ConnectionName "Ethernet" -SharingMode InternetSharing`
- Replace "Ethernet" with the name of the network adapter you want to share the internet connection from.
- The internet connection will be shared with other devices connected to the computer.

## 3. Troubleshooting ICS:

- If you encounter any issues with ICS, ensure that the network adapter has a valid IP address and is connected to the internet.
- Disable and re-enable ICS to refresh the configuration.
- Check the firewall settings to ensure ICS is allowed.
- Restart the computer if necessary.

Conclusion: Internet Connection Sharing (ICS) is a valuable feature in the Windows environment, allowing computers to share their internet connection with other devices on the same network. By following the steps outlined in this article, you can easily configure ICS using either Command Prompt or PowerShell. Troubleshooting tips are also provided to help resolve any issues that may arise. Enjoy the benefits of sharing your internet connection seamlessly in the Windows ecosystem.