

Invoke-Command

The **Invoke-Command** cmdlet runs commands on a local or remote computer and returns all output from the commands, including errors. With a single **Invoke-Command** command, you can run commands on multiple computers.

To run a single command on a remote computer, use the **ComputerName** parameter. To run a series of related commands that share data, use the [New-PSSession](#) cmdlet to create a PSSession (a persistent connection) on the remote computer, and then use the **Session** parameter of **Invoke-Command** to run the command in the PSSession. To run a command in a disconnected session, use the **InDisconnectedSession** parameter. To run a command in a background job, use the **AsJob** parameter.

You can also use **Invoke-Command** on a local computer to evaluate or run a string in a script block as a command. Windows PowerShell converts the script block to a command and runs the command immediately in the current scope, instead of just echoing the string at the command line.

To start an interactive session with a remote computer, use the [Enter-PSSession](#) cmdlet. To establish a persistent connection to a remote computer, use the [New-PSSession](#) cmdlet.

Before using **Invoke-Command** to run commands on a remote computer, read [about_Remote](https://go.microsoft.com/fwlink/?LinkID=135182) (https://go.microsoft.com/fwlink/?LinkID=135182).