TRENDING

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How to Create a Local Account

While Setting Up Windows 10

Chrome (or Any Browser)

Compared to a PC?

Which Is Better?

How Do You Use It?

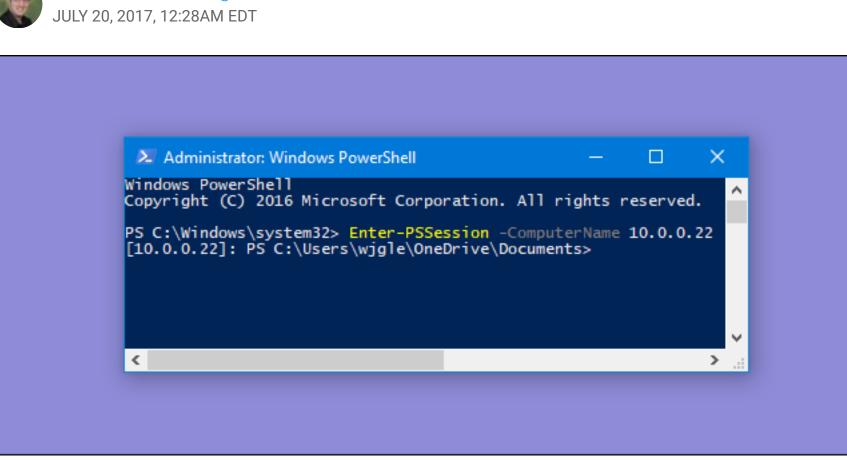
Is Chrome Blocking It?

Drive and Google Photos

Accounts

Creation





PowerShell Remoting lets you run PowerShell commands or access full PowerShell sessions on remote Windows systems. It's similar to SSH for accessing remote terminals on other operating systems.

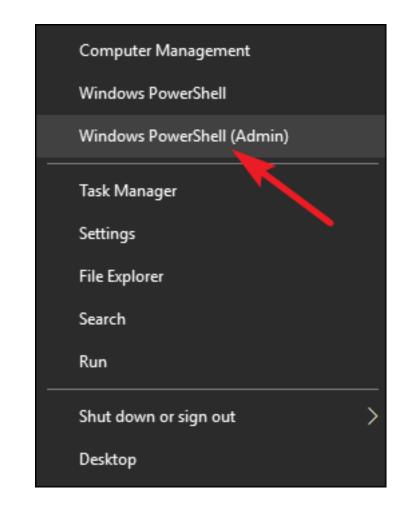
PowerShell is locked-down by default, so you'll have to enable PowerShell Remoting before using it. This setup process is a bit more complex if you're using a workgroup instead of a

Enable PowerShell Remoting on the PC You Want to **Access Remotely**

domain—for example, on a home network—but we'll walk you through it.

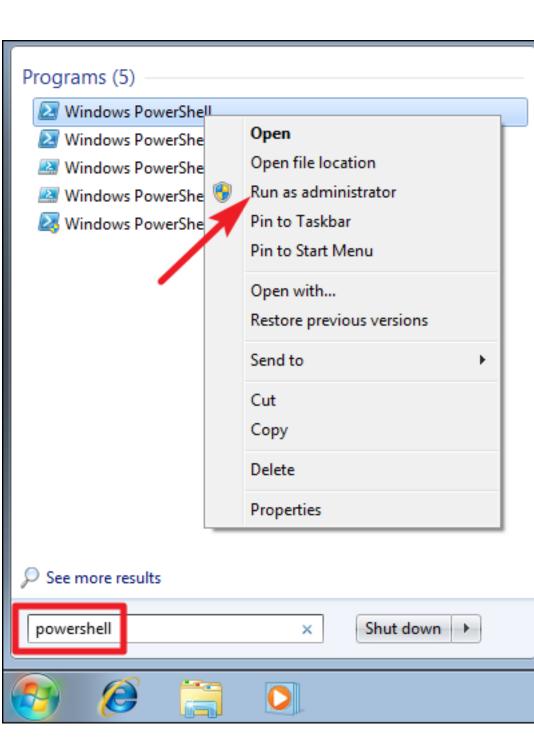
Your first step is to enable PowerShell Remoting on the PC to which you want to make remote connections. On that PC, you'll need to open PowerShell with administrative privileges.

In Windows 10, press Windows+X and then choose PowerShell (Admin) from the Power User menu.



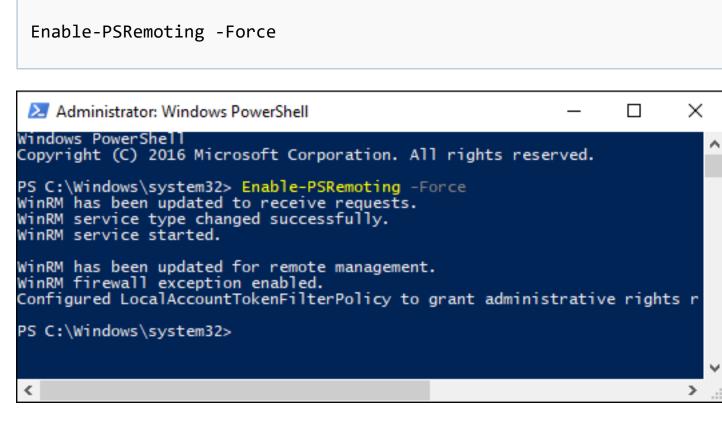
"Run as administrator."

In Windows 7 or 8, hit Start, and then type "powershell." Right-click the result and choose



and then hit Enter:

In the PowerShell window, type the following cmdlet (PowerShell's name for a command),



creates a firewall rule that allows incoming connections. The -Force part of the cmdlet tells PowerShell to perform these actions without prompting you for each step. If your PCs are part of a domain, that's all the setup you have to do. You can skip on ahead to

This command starts the WinRM service, sets it to start automatically with your system, and

on a home or small business network—you have a bit more setup work to do. Note: Your success in setting up remoting in a domain environment depends entirely on your

testing your connection. If your computers are part of a workgroup—which they probably are

network's setup. Remoting might be disabled—or even enabled—automatically by group policy configured by an admin. You might also not have the permissions you need to run PowerShell as an administrator. As always, check with your admins before you try anything like this. They might have good reasons for not allowing the practice, or they might be willing to set it up for you. Set Up Your Workgroup

If your computers aren't on a domain, you need to perform a few more steps to get things set up. You should have already enabled Remoting on the PC to which you want to connect, as

we described in the previous section. RELATED: What's the Difference Between Private and Public Networks in Windows?

Note: For PowerShell Remoting to work in a workgroup environment, you must configure your

private network if you already have a public network set up—check out our guide on private vs. public networks. Next, you need to configure the TrustedHosts setting on both the PC to which you want to

network as a private, not public, network. For more on the difference—and how to change to a

other. You can do this in one of two ways. If you're on a home network where you want to go ahead and trust any PC to connect remotely, you can type the following cmdlet in PowerShell (again, you'll need to run it as

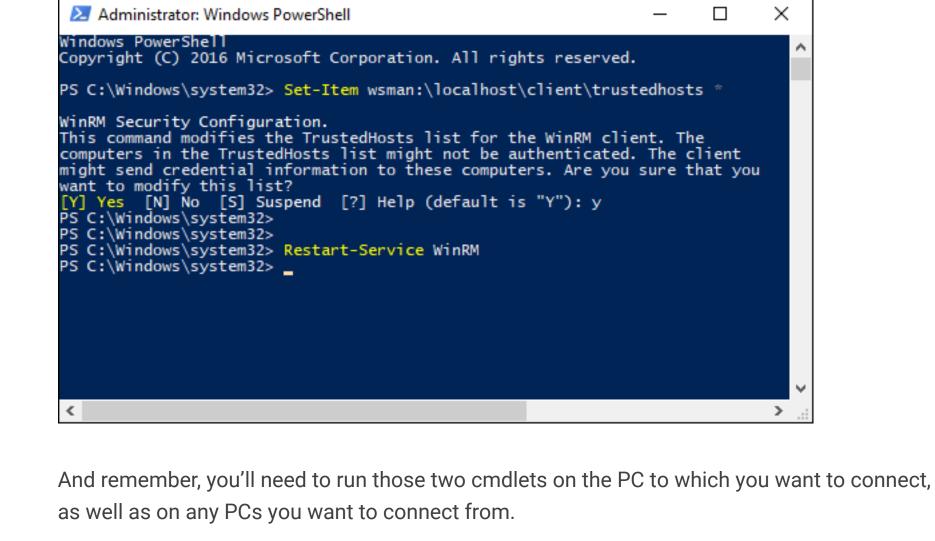
connect and the PC (or PCs) you want to connect from, so the computers will trust each

Administrator). Set-Item wsman:\localhost\client\trustedhosts *

The asterisk is a wildcard symbol for all PCs. If instead you want to restrict computers that can connect, you can replace the asterisk with a comma-separated list of IP addresses or

computer names for approved PCs. After running that command, you'll need to restart the WinRM service so your new settings take effect. Type the following cmdlet and then hit Enter:

Restart-Service WinRM



Test the Connection Now that you've got your PCs set up for PowerShell Remoting, it's time to test the

connection. On the PC you want to access the remote system from, type the following cmdlet into PowerShell (replacing "COMPUTER" with the name or IP address of the remote PC), and then hit Enter:

Administrator: Windows PowerShell

Windows PowerShell

syntax:

command:

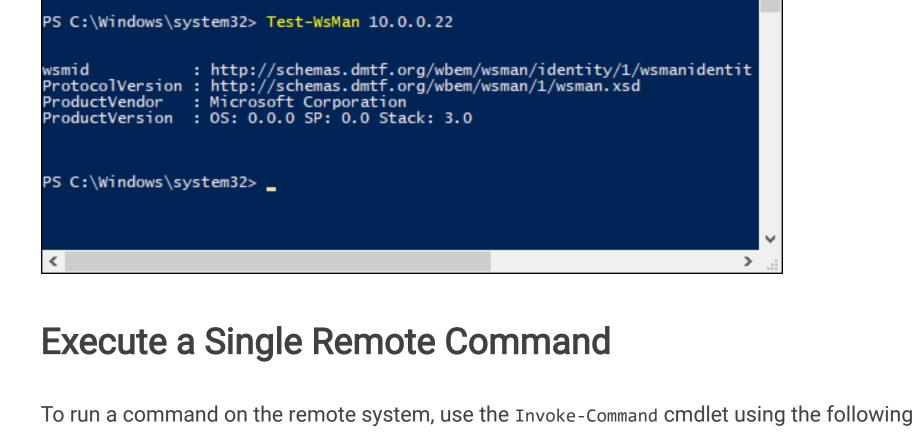
command fails, you'll see an error message instead.

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Test-WsMan COMPUTER This simple command tests whether the WinRM service is running on the remote PC. If it

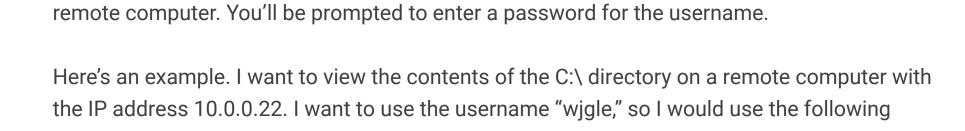
completes successfully, you'll see information about the remote computer's WinRM service

in the window-signifying that WinRM is enabled and your PC can communicate. If the



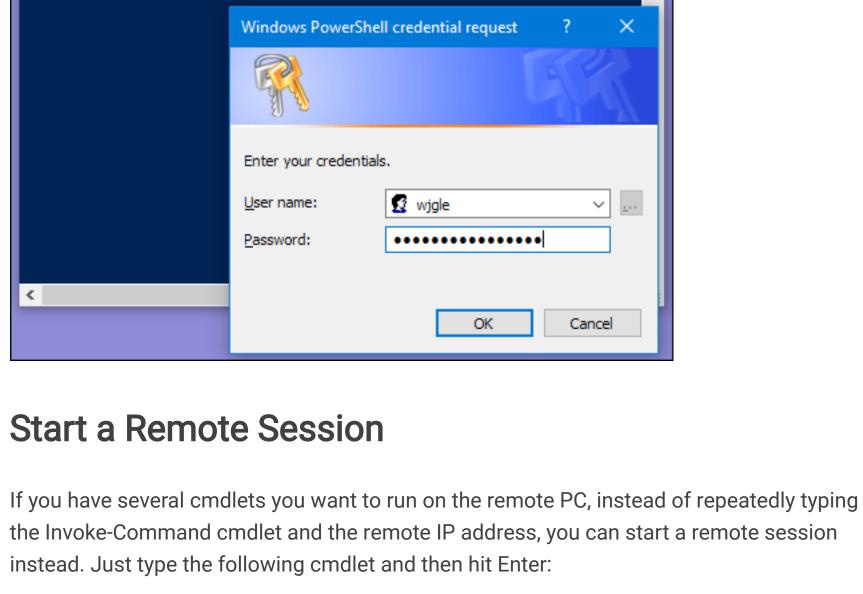
Invoke-Command -ComputerName COMPUTER -ScriptBlock { COMMAND } -credential USERNAME

"COMPUTER" represents the remote PC's name or IP address. "COMMAND" is the command you want to run. "USERNAME" is the username you want to run the command as on the



Administrator: Windows PowerShell

ommand -ComputerName 10.0.0.22 -ScriptBlock { Get-ChildItem C:\ } -credential wjgle



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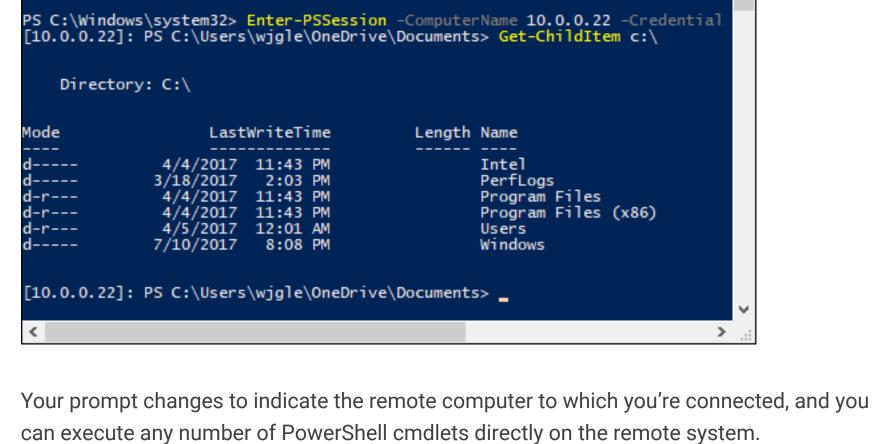
PS C:\Windows\system32> Invoke-Command -ComputerName 10.0.0.22 -

Enter-PSSession -ComputerName COMPUTER -Credential USER

Administrator: Windows PowerShell

Windows PowerShell

Again, replace "COMPUTER" with the name or IP address of the remote PC and replace "USER" with the name of the user account you want to invoke.



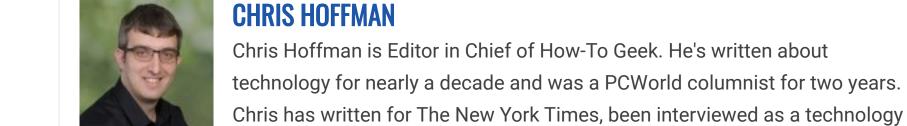
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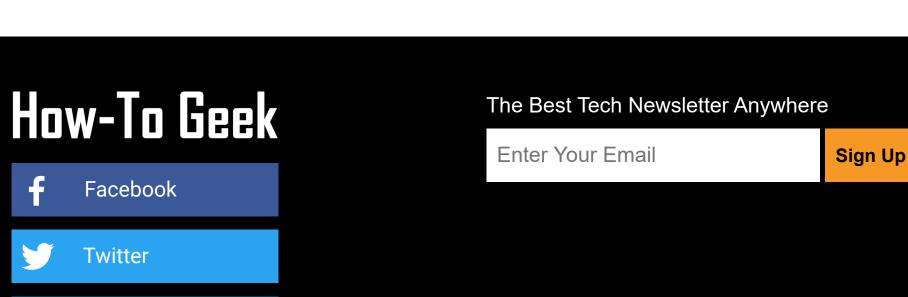
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expert on TV stations like Miami's NBC 6, and had his work covered by news

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