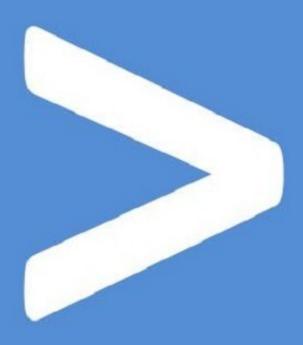# 10

Commands

To master Powershell

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Bit Men

10 PowerShell commands every Windows admin need to understand

Yes, this specific book is going to focus all over PowerShell and we are going to reveal you 10 commands which you must understand and how you have to deal with them and exactly what are those which cases we will utilize those commands, fine?

So let's begin with the very first one which is **Get-Help** . So I believe that you are a beginner about PowerShell, you simply have to understand the best ways to deal with PowerShell, all right? The very first command you need to enter that is Get-Help. So Get-Help is a command which is going to assist you out with the commands which we have, fine?

So let's state if I have a command let's state, Get-Help, then I have command name let's say Service and after that star, alright? So you can see it is going to note the services which exist with ... the commands which are noting with Services.

So let's state you do not know exactly what are the commands which you can keep up the aid of Service or associated to Service, then you can do a get assist then Service, fine? So if you run Get-Help * then *, these are the wild card and in between your keyword is Service, it is going to note all the names, command lets or the function which are readily available to run, alright?

So these are the example like Get-Service, New-Service, Restart-Service, Resume-Service, Set-Service, fine? So there can be a possibility that your assistance file has actually not been upgraded. So exactly what you can do is you can likewise upgrade your aid submit by striking a command called Update-Help, alright? And you can likewise utilize a command called Force which is going to upgrade at the assistance submit from the web and press the procedure powerfully, fine?

If you strike this it is attempting to connect to the web and aim to upgrade your aid files, all right? So it will take a while, it depends exactly what kind of speed you have. So it is attempting to upgrade the file and after that you can deal with the assistance submits too.

So exactly what I have seen up until now is if your system assistance file is upgraded you do not have to actually go to internet and find out about any command, right from this specific system you can find out any of the command which you wish to run, alright? I will simply reveal you as soon as this specific upgrading is total.

Okay, it's being total. Let me reveal you another aid command which relates to assist. You can run aid then you can run a command like **Get-Service** and you will strike get in. So you can see from here it is attempting to provide you the alternatives and offer you more here also. So it is really simple to check out too. In a single page it is attempting to occupy the entire command and entire aid.

So you can likewise compose like this assistance then this command and after that -Examples. So it will aim to reveal you the examples of how you can truly run that specific command. So let's state you can see these are the example 1, 2, 3, 4 and you have more if you strike other ... any crucial it will attempt to reveal you more examples, right?

So this is how you can ... this really useful - the aid file. I utilize assistance command rather utilizing, how you can state, rather utilizing Get-Help, alright? Sometimes get assistance will assist you out, sometimes assist will assist you out, alright? So I will simply motivate you to choose assistance then deal with Get-Help, fine? So assistance is more much better.

So if you can run like aid then Get-Service, and you can likewise utilize a switch called Full. So it states like it is a complete assistance and this will likewise provide you detailed info about that, about the entire command. So this is the very first command you should discover which is Get-Help or you can utilize a command Help which is more much better to make use of and you can likewise upgrade your aid like running this specific Update-Help, and you can utilize a criterion which states like Force, alright?

So the next one is a Set-ExecutionPolicy. So if we state like Set-ExecutionPolicyin the system ... So prior to we set this we have to get the execution policy, fine? Let's state **Get-ExecutionPolicy** . So you can see at this minute it states like remote appointed and if we speak about the policies there are some limitations as well as there are some other lists which

we can see. Let me reveal you a list, yeah, and let me simply make it more.

Okay, so this looks much better. So exactly what we can do is Get-ExecutionPolicy -List. So this will provide you a status of your computer system, just what the policies are readily available and exactly what are set. So at this minute you can see for the regional maker it is RemoteSigned, and the most optional method is to set it up as, exactly what you can state, like from RemoteSigned to Unrestricted.

So if you set it like Unrestricted then this specific policy your system will going to enable some commands which are being ranged from remotely or in your area, all right? So this is how you can set, like if I utilize a command for Set-ExecutionPolicy then ExecutionPolicy as Undefined or Unrestricted.

So I can strike like this, it will provide me a choice, do you wish to continue. I will click yes. I'll strike yes and now if I do Get-ExecutionPolicy now you can see from RemoteSigned it is now set as Unrestricted, alright? So in case of Unrestricted that indicates this specific, exactly what you can state? This specific policy is being set as Unrestricted and now you can run any of the commands. It isn't really going to stop you by running from another location or like running any command to this specific system, all right?

Sometimes we have actually seen there are some limitation has actually been set, so that's why you can not run some command, run some PowerShell commands, so to inspect that this is the very first approach from where you can examine it.

Okay, so next would be Get-Service, alright? So I will let precisely the Get-Service. Get-Service is going to ... let me clear the screen. So Get-Service is going to list to you the service which have actually existed in the system which are running or stopped or whatever the status are. You can even get that service from here, all right?

So exactly what else you can do with this specific service? Let me clear my screen and if I run like Get-Service then I will see exactly what are the specifications like Name, if I wish to see the services that begin with M. Let me utilize the wild card, MPS and after that star. And I will strike get in. So you can see like Windows Firewall is appearing as running state, alright? So like this you can truly stroll upon and do some more research study and

advancement with this specific command, fine?

So let me reveal you the next command which states like **ConvertTo-HTML** . So in this specific command we can utilize this Get-Service. Let's state we can compose like Get-Service then I can utilize ... Okay, we can compose a command like Get-Service then I will utilize pipeline and after that ConvertTo-HTML, alright? Then we can set like Property like name, status. And after that we can offer a course like C: \ output.html. We can likewise call it as service-output. html.

So exactly what it will do is this specific service and it will bundle it to an HTML file and it will just note like name and status and after that it will form a type and produce an HTML file, all right? So let's see how it goes and I will strike go into. So you can see it runs correctly, so let me inspect. If I do an LS, and you can see this specific file has actually produced. Let me inspect and attempt to open it and look how it looks, alright? Ask me later on.

So you can see it has 2 columns - name and status. And now you can see these are the services which are running or stopped, whatever, alright? So this is the command which you let you learn about the best ways to transform to HTML whenever you are running a command which you can actually transform to HTML, alright?

And the next command which you wish to state like CSV, fine? So CSV we understand that it is a file which can be really quickly imported to Excel and do some more elaborations, fine? So it appears like, rather comparable like, we can utilize like **Export-CSV** and after that I have to run or offer the course like service-output. csv, all right? So now you can see the file has actually been developed like service-output. csv.

Okay, if I go here and see, this is my CSV file, all right, which I can copy to my desktop, copy to my desktop and you can see I can open it like stand out sheet and it offers me the details about the services, name and needed ... all the criteria which exist and it will attempt to import whatever.

So this is likewise excellent, we can filter it and if you desire you can filter it with the status and whatever the area is you wish to filter with, like status I can if I wish to filter it. And if I go to my status, let me go there, service status.

Status, and you can just filter like which are ... in stopped state I wish to see them, so this will just note the stopped service, alright? So this is really convenient and let me reveal you the next one.

So the next command is **Select-Object** , alright? So let me reveal that a person too, exactly what is it. Let me clear my screen. So let's state I have Get-Service, all right? And Get-Service has a let's state a name, let's state Get-Service and I will utilize a pipeline and I will reveal you something which is Get-Member.

So these are the areas like these are the specification from where we can get the info. Get-Member is going to note up command let homes, fine? These are the residential or commercial properties of that specific ... this entire command like Get-Service like stop, container, name, needed service, disposed, continue, status.

So let's state I wish to just inspect, just wish to see the name and status, absolutely nothing else, all right? So exactly what I can do is let me do a CLS. I will run a command called Get-Service, alright? I will utilize like name and I will utilize like * S * and I will utilize a pipeline which then we'll utilize our command which is Select-Object, alright? We will choose name then just status, all right, and struck go into.

Let me attempt to make it more simple to ... more understandable and lower output, like CLS. Oh, sorry. It didn't work. CLS and I will run this command and I will appear like SEP and with this thing I will utilize another pipeline, fine? Format-Table, fine, and usage AutoSize, fine? So now I will strike this. There is absolutely nothing with SEP, alright? I will utilize P, all right?

So now I can see it appears like more much better, like Get-Service then Name, we simply wish to utilize wild card like SE, we wish to note them like SE. And this time we are choosing the things which will just note like name and status, alright? Call and status is noting and doing a format table with car size, it will aim to size this specific output, extremely crisp, so that we can see that extremely simple, all right?

The next one resembles we have actually seen now exactly what is Select-Object. Now the next one is Get-EventLog, alright? So in the EventLog like we

can go like Get-EventLog, oka? So now I wish to examine exactly what are the occasion logs. If I strike enter you can state it is asking me the LogName.

So I'm uncertain exactly what the LogNameI can utilize, fine? So exactly what I can do is **Get-EventLog** , I will utilize a paramater. Our command is Get-EventLog, then I will utilize examine the criterion LogName, fine? So LogName is a criterion which is, exactly what I can state, which is obligatory. So I can do Get-EventLog list, alright?

So these are the LogName which we can utilize. If I utilize Get-EventLog -List then it will offer like Active Directory Web Services, Application, DFS, DNS, all right, system. So if I simulate this time like LogName, fine? And this time I will utilize System. Exactly what else I can utilize?

So I can browse like Newest. Most recent with number 5. So I will just have the ability to see the most recent 5 occasions, occasion logs in this specific list. So if I strike this you can see these are the most recent 5 occasion logs, alright? This is how you can deal with the command lets of PowerShell, fine? So this is another command which is going to assist you a lot like getting the details from the occasions, all right? So these are the current 5 occasions and you can see these are the occasions, so you can utilize along with you can utilize some Select-Objects, and you can if you wish to particularly wish to look any particular area, fine?

So this is likewise done. We understand the best ways to run the EventLog. Now we will see **Get-Process** , fine? So the Get-Process is another one which is extremely important like Get-Process and we can utilize Name with a *, no, absolutely nothing exists with the a *. We can utilize like w *. Okay, so you can see winlogon is once again one service and wininit is another service with W.

So like we utilize like Get-Process then Name, and if you would like to know if there is something with C, so you can utilize c *, if something with WIN, you can utilize w *, alright? So it is going to note the comparable which matches this specific requirements, fine, as well as list it. And you can likewise note with like not just from name you can likewise note it from ID. So this is of ID like 488. I will strike go into and it is going to note the winlogon, alright?

So this is another command which you will utilize quite like **Stop-Process** . And let me aim to introduce a service like start note pad. So now you can see there is a service called note pad. And I will do a Get-Process -Name and this time I will utilize a * note pad *, fine? So there are 2 procedures which I can see, fine?

So we have opened this specific file and we have likewise opened this specific file, all right? So there are 2 procedures. Okay, so let me aim to eliminate ... we have ID, yeah, 4912. Let me eliminate the ID 4912, fine? So I can do **Stop-Process -Id** , and utilizing 4912, and struck go into, fine? So now you can see the other one is now left.

And if I wish to close this too, so I have to put like this time not ID, this time I will utilize -Name and I will utilize note pad and hit enter you can see the note pad is likewise eliminated, alright?

So this is how you utilize with PowerShell and enter into it and do some hands. These are the 10 commands which Windows admin should understand, all right? So hope this specific book is useful.