Monitor a folder size on real-time every hour.

This script monitor a folder in real-time and displays its growth every one hour (default).

You can customize the folder, the interval and also add the Send-Mailmessage function https://docs.microsoft.com/en-us/powershell/module/microsoft.powershell.utility/send-mailmessage?view=

This is a handy script to be used when you're transfering or syncing a large amount of data between servers and you need to know how the growth is going.

We had a specific customer where we defined a narrow bandwidth consumption  during the day and full during after hours.

Tip:

copy during the day up to 5 MBPS

roobcopy "E:\DFS\source" "\\downstream-srv01\e$\DFS\target" /IPG:146 /E /B /COPYALL /R:6 /W:5 /XD DfsrPrivate /TEE /LOG+:e:\preseed-folder01.log

copy after hours unlimited with /MT (multi thread parameter)

roobcopy "E:\DFS\source" "\\downstream-srv01\e$\DFS\target" /E /B /COPYALL /MT /R:6 /W:5 /XD DfsrPrivate /TEE /LOG+:e:\preseed-folder01.log

[robocopy](https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/robocopy) documentation

**PowerShell**

#Powershell

#Monitor Folder Growth

#Displays result in MB and in GB

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#May-2018

#DFS , FileServer, Folder Size

**do**{

$result = "{0:N2} MB" -f ((**Get-ChildItem** $folder -Recurse | **Measure-Object** -Property Length -Sum -ErrorAction Stop).Sum / 1MB)

$result1 = "{0:N2} GB" -f ((**Get-ChildItem** $folder -Recurse | **Measure-Object** -Property Length -Sum -ErrorAction Stop).Sum / 1GB)

$hour = (**Get-Date**).ToString()

write-host $hour -ForegroundColor Yellow

write-host $result -ForegroundColor Green

write-host $result1 -ForegroundColor Cyan

**start-sleep** -Seconds 3600 #validate status every 1 hour

    #start-sleep -Seconds 5 #test every 15 seconds

}**until**($infinity)

Output:

**PowerShell**

7/14/2018 12:23:53 AM

1,872.01 MB

1.83 GB

7/14/2018 12:33:53 AM

1,872.01 MB

1.83 GB