# Search Guide

This PowerShell utility was designed to search files quickly and accurately for matches. The default (Search.ps1) will report files containing "-COMPUTERNAME" (Your PC name) in your OneDrive. OneDrive creates these files when there is some sort of synchronization issue. In theory, this OneDrive feature preserves your work so you can determine which to keep.

I have not found this helpful. I have spent a lot of time cleaning up after these sync errors. Now, to facilitate this process, I have this script to report these duplicates. However, the utility can be modified to do searching (optionally deleting) using any kind of search term and/or multiple locations. Like searching for duplicates in any number of EverQuest install folders (e.g., "C:\Users\Public\Daybreak Game Company\Installed Games", where there are multiple subdirectories for Live, Test, Beta...). These duplicates can happen when you are synchronizing configurations to OneDrive (e.g., SyncMulti.bat utility).

### Usage

Generally, this should be run as needed. Although you could set up a task to run it automatically. Included in the download are several scripts to demonstrate different uses. The default, Search.ps1, searches (report only) files containing "-COMPUTERNAME" (Your PC Name) which are likely duplicates created by OneDrive. The parameters are shown below:

#### 😑 Search.ps1 🗵 .SYNOPSIS Search and optionally delete files based on specified strings and directories DESCRIPTION This PowerShell script searches for files containing specified strings in their names within the specified top-level directories. Originally designed to identify duplicate OneDrive created files (e.g. "\*-COMPUTERNAME\*") and facilitate cleanup. 9 10 11 12 13 14 15 16 NOTES File: Search.psl Author: R. Schmitz Created: 2023/09/18 Updated: 2023/09/18 17 18 • 19 • 20 • 21 • 22 • 23 [string[]]\$stringsToSearch = @("-\${env:COMPUTERNAME}"), # Default string to search, comma-delimited [string[]]\$topLevelDirectories = @("\$env:ONEDWIATHED'), # Default top-level directory(ies) to recursively search, comma-delimited [string[]]\$topLevelDirectories = @("\$earch"), # Default log file prefix [int]\$maxLogFiles = 5, # Default max number of log files with \$logFileName [switch] \$deleteFiles = \$false # Switch parameter with a default value of \$false (no delete match), \$true will delete matches 24 # Get the computer name

Other samples include broader search terms and locations, such as one found when synchronizing EverQuest configuration files to OneDrive. Example of a customized multiple term and location without delete below:

HySearch.ps1 🖸
2 .SYNOPSIS
3 Search and optionally delete files based on specified strings and directories.
4
5 .DESCRIPTION
6 This PowerShell script searches for files containing specified strings in their names within the specified top-level directories. It can
7
8 Originally designed to identify duplicate OneDrive created files (e.g. "*-COMPUTERNAME*") and facilitate cleanup.
9
10 .NOTES
11 File: Search.psl
12 Author: R. Schmitz
13 Created: 2023/09/18
14 Updated: 2023/09/18
15 4>
16
17 param (
18 [string[]]\$stringsToSearch = @("-\${env:COMPUTERNAME}", , "-Aorus390Z", "-Aorus2390", "-NUC7", "-MINI7"), # Default string to search, (
19 [string[]] \$topLevelDirectories = @("\${env:ONEDRIVE}", "C:\FunStuff", "D:\Users\Public\Daybreak Game Company\Installed Games"), # Defa
20 [string[]]\$logFileName = @("Full"), # Default log file prefix
21 [int]\$maxLogFiles = 5, # Default max number of log files with \$logFileName
22 [switch] \$deleteFiles = \$false # Switch parameter with a default value of \$false (no delete match), \$true will delete matches
23 )
24
25 # Get the computer name
26 ScomputerName = Senv: COMPUTERNAME

### Task Scheduler (Option)

Task Scheduler option for executing PowerShell scripts takes a bit of extra work. The steps are below in case it is something you wish to setup.

NOTE: I have included samples for scripts which check if eqgame.exe is running and if OneDrive is currently syncing or just check if OneDrive is syncing. These can be used in Task Scheduler to kick off these other utilities (Search.ps1, MySearch.ps1, SyncMulti.bat, etc). The checks for eqgame.exe and OneDrive should help alleviate duplicates/sync issues. It is smart enough to sleep and check again (currently defined to be 5 minutes). So, Task Scheduler can still be set for Log On / Unlock / Lock etc (or more often) without any worries. It uses a lock and timestamp file to ensure only one maximum is running (as defined by the lock and timestamp file names).

### General

General Trigo	Jers Actions	Conditions	Settings	History (disable	d)			
Name: Check OneDrive Dupes								
Location:	Location: \Mine							
Author:	AORUSMAST	ERZ390\kaise						
Description:	Description:							
Security opt	ons							
When runni	ng the task, us	e the followi	ng user ac	count:				
kaise						Change Use	r or Group	
Run only	Run only when user is logged on							
O Run whe	ther user is log	iged on or no	ot					
Do not store password. The task will only have access to local computer resources.								
Run with highest privileges								
🗌 Hidden	Configu	re for: Wind	dows Vista	™, Windows Serve	er™ 2008		~	
						ОК	Cancel	

( Check OneDrive Dupes Properties (Local Computer)

Give it a name and check the box for highest privileges. I set this one to run only when my user is logged in.

### Triggers

Check C	OneDrive	Dupes Pro	operties (Loca	l Compute	r)			
eneral	Triggers	Actions	Conditions	Settings	History (disabled)			
When y	ou create	a task, yo	u can specify	the condi	tions that will trigge	r the task.		
Trigger	r		Details					Status
On wo	rkstation	unlock	On works	tation unlo	ock of AORUSMASTE	RZ390\kaise		Enabled
At log	on		At log on	of AORUSI	MASTERZ390\kaise			Enabled
<								>
New	/	Edit	Dele	te				
							ОК	Cancel

Similar to the previous, I set the triggers for my user either when logging in or unlocking the PC.

### Actions

Check	OneDrive	Dupes Pro	perties (Loca	l Compute	r)				
ieneral	Triggers	Actions	Conditions	Settings	History (disabled)				
When	you create	e a task, yo	ou must speci	fy the acti	on that will occur w	hen your task sta	irts.		
Action		Da	taila					7	
			tails Windows Syst	tom 22\\M/in	dowsPowerShell\v1	0 noworshall ava	Evecution	D	
Start	a program	C.\	windows (Sys	lem52\wm	dowsrowershellyri	.o.powersnen.exe	-Execution		
								-	
								-	
<							>		
Nev	w	Edit	Delet	te					
						0	к	Cancel	

This is more complicated. You must invoke PowerShell and give it permission to run. See below:

#### $\times$

## Edit Action

You must specify what action this task will perform.				
Action:	Start a program		~	
Settings	;			
Progra	m/script:			
C:\Win	dows\System32\WindowsPowerShell\v1.0\po	wershe	Browse	
Add ar	guments (optional):	-Execution	onPolicy Bypass	
Start in	n (optional):			
		ОК	Cancel	

The program/script:

 $\label{eq:c:Windows} System 32 \\ Windows Power \\ Shell \\ v1.0 \\ power \\ shell. \\ exe$ 

The arguments are:

-ExecutionPolicy Bypass -File "C:\Users\kaise\OneDrive\Desktop\AORUSMASTERZ390\MySearch.ps1"

 $\times$ 

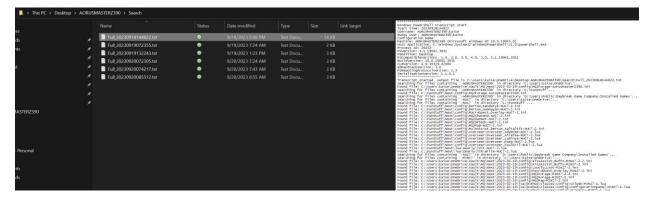
Which tells PowerShell which script to run. In theory, the parameters can be passed in, but I found Windows mangles them when they contain spaces. So, I simply created different script files with the modified parameters saved.

#### **Remaining Tabs**

Customize as desired. I left those at the defaults.

#### Log Files

These are stored on your desktop in COMPUTERNAME\Search\ (I place the scripts in the COMPUTERNAME folder for convenience):



In this example, logs with the prefix Full are shown. I only have run MySearch.ps1 on this PC. I use a different log file prefix for each script so that I can retain the history separately.

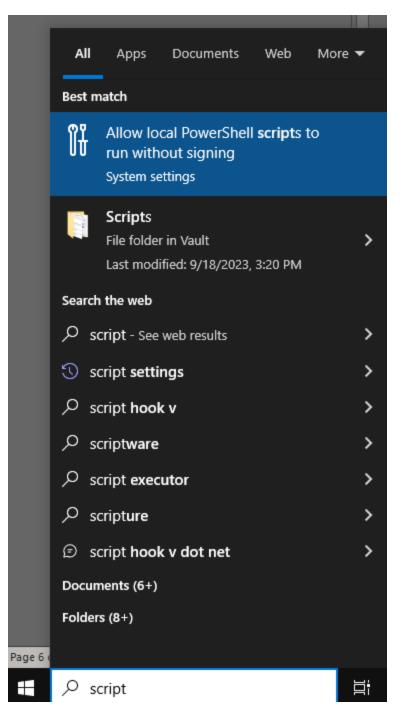
### PowerShell Script Execution

When I run the script on demand, I usually right-click and choose Run with PowerShell:

This PC  AORUSMASTERZ390						
	Name	Status	Date modified	Туре	Size	
*	Search	<b>S</b>	9/20/2023 8:55 AM	File folder		
، هر	MySearch pc1	Ø	9/20/2023 7:57 AM	Windows	4 KB	
×	MySearc Open		9/20/2023 7:57 AM	Windows	4 KB	
*	🧧 Search.r Run with PowerShell		9/20/2023 8:35 AM	Windows	4 KB	

#### Permission

You should configure Windows to allow PowerShell execution. Win + Q to search for script will find "Allow local PowerShell scripts to run without signing":



Scroll to the bottom and click the Apply button to allow execution. If it is greyed out, it is already turned on.

Setti	ings	
ŵ	Home	For developers
	ind a setting $ ho$	Change settings to show file extensions Show settings
Op.		Change settings to show hidden and system files Show settings
C :	Windows Update	Change settings to show full path in title bar Show settings
≞	Delivery Optimization Windows Security	Change policy to show Run as different user in Start Show settings
₹	Backup	Change settings to show empty drives Show settings
Ŋ	Troubleshoot	Арріу
പ്പ	Recovery	
Ø	Activation	Remote Desktop
ക്	Find my device	Apply the following settings to enable Remote Desktop and ensure machine availability.
Îŧ	For developers	Change settings to allow remote connections to this Show settings computer
	Windows Insider Program	Change settings to allow connections only from Show settings computers running Remote Desktop with Network Level Authentication
		Change settings so that the PC never goes to sleep Show settings when plugged in
		Change settings so that the PC never hibernates Show settings when plugged in
		Apply
		Terminal
		Choose the default terminal app to host the user interface for
		command-line applications. ি েন্ Let Windows decide  v
		PowerShell
		Apply the following settings to execute PowerShell scripts.
		Change execution policy to allow local PowerShell Show settings scripts to run without signing. Require signing for remote scripts.
		Apply