

PowerShell and SQL Server

Overall Goal: Modify/Update existing logic/ function that we have currently where the user mailbox and OneDrive is putting on hold in eDiscovery.

How: Get user info from SQL Server database table called “Daily_Proc” instead of using Mailbox csv and OneDrive csv to put user on Hold.

How to start working on this task: If you want you can try implementing in your local without begin able to run the code and we can test in my laptop when you are done.

This is how my Daily_Proc table look in my “LitHold” database

Id	Hold	GMID	Source	Type	Operation	CreatedDate	Status
23	YZQ	YZQPSN	https://genera...	od	ADD	04/14/2022 12:...	New
24	YZQ	YZQPSN	jonathan.hrang...	mb	ADD	04/14/2022 12:...	New
25	JZO	JKLOER	https://JZOw-m...	od	ADD	04/14/2022 14:...	Retry-Error
26	JZO	JKLOER	JKLOER@gm.com	mb	ADD	04/14/2022 14:...	Retry-Error
27	MLO	KELOE	https://genera...	od	ADD	04/14/2022 16:...	Processed
<TBD>	MLO	KELOE	KELOEgm.com	mb	ADD	04/14/2022 16:...	Processed
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Requirement

1. Read/Get only a user that have “NEW”, “RETRY-Error”, “Retry-Compare” value under the Status column. Don’t get a user that have “Processed”.

Note: if there is a user that have “Retry-Error” status then try to update the hold using -RetryDistribution.

2. Get their Mailbox and OneDrive value from Source column. (Might need to use Type column to indicate which one is which since their OneDrive and Mailbox are under the same column called “Source”.

3. Pass their Mailbox and OneDrive value to *-ExchangeLocation* and *-SharePointLocation* in New-CaseHoldPolicy

4. If Mailbox value is missing like this then Search/Lookup in AzureAD using GMID and try to find it using possible domains

Id	Hold	GMID	Source	Type	Operation	CreatedDate	Status
23	YZQ	YZQPSN	https://generalmotors-my.sh...	od	ADD	04/14/2022 12:...	New
24	YZQ	YZQPSN		mb	ADD	04/14/2022 12:...	New

5. If OneDrive is missing like this then try to find it using the way we currently doing.

Id	Hold	GMID	Source	Type	Operation	CreatedDate	Status
23	YZQ	YZQPSN		od	ADD	04/14/2022 12:...	New
24	YZQ	YZQPSN	yzqpsn@gmail.com	mb	ADD	04/14/2022 12:...	New

6. After it put on Hold successfully, update their Status column value to “Processed” in Daily_Proc table. For Example, like this

27	MLO	KELOE	https://generalmotors-my.sh...	od	ADD	04/14/2022 16:...	Processed
<TBD>	MLO	KELOE	KELOEgm.com	mb	ADD	04/14/2022 16:...	Processed

7. Output something like this in the terminal

Write-Host "\$GMID \$Source.Mailbox \$Source.OneDrive \$createdDate"

Example: YZQPSB Jonathan@gmail.com [Http://onedrive.com](http://onedrive.com) 04-18-2022

8. If it didn't put hold successfully for certain user then Insert it to “Lit_Hold_Err”table like this

lit_hold_err	hold	gmid	source	error	error	date	status
	BZ1	BZ1H87	BZ1H87@nam.corp.gm.com	The mailbox or SharePoint site may not exist	MB		

Note: I believe we might be able to test this scenario by providing dummy onedrive and mailbox. printout terminal error value to “error” column.

This is how I did my sql database connection:

```
$Server = '...'
$Database = 'LitHold'
$query = "SELECT * FROM Daily_Proc"
$compareResult = Invoke-Sqlcmd -Query $query -ServerInstance $Server -Database $Database
```