



Exchange 2016 Mailbox Move Request

Hier einige Powershell Beispiele zur Abfrage des Status, Größe, Fortschritt, Details, Reporte usw.

Move Übersicht

`Get-MoveRequest | Group-Object -Property:Status | Select-Object Name,Count | Format-Table -Auto`

```
[PS] C:\Windows\system32>Get-MoveRequest | Group-Object -Property:Status | Select-Object Name,Count | Format-Table -Auto

Name          Count
-----
InProgress     3
Completed      7

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "DAB-04" | Group -Property:Status,PercentComplete |
Select Name,Count | Format-Table -Auto

Name          Count
-----
InProgress, 31    1
Completed, 100    1
InProgress, 51    1
InProgress, 25    1

[PS] C:\Windows\system32>
```

Aktueller Status

`Get-MoveRequestStatistics -MoveRequestQueue "DB-04" | Group -Property:Status,PercentComplete | Select Name,Count | Format-Table -Auto`

```
[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "DB-04" | Group -Property:Status,PercentComplete |
Select Name,Count | Format-Table -Auto

Name          Count
-----
InProgress, 31    1
Completed, 100    1
InProgress, 51    1
InProgress, 25    1

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "DB-04" | Group -Property:Status,PercentComplete |
Select Name,Count | Format-Table -Auto

Name          Count
-----
InProgress, 34    1
Completed, 100    1
InProgress, 62    1
InProgress, 26    1

[PS] C:\Windows\system32>
```



Exchange 2016 Mailbox Move Request

Status per User

Get-MoveRequestStatistics -Identity "jwalter" | Format-List

```
Machine: [redacted]

[PS] C:\Windows\system32>Get-MoveRequestStatistics -Identity "e[redacted]" | Format-List

RunspaceId           : d3bc2126-f9d6-4a71-ab22-3cabf7671a38
MailboxIdentity       : [redacted]
DistinguishedName     : [redacted]
DisplayName           : [redacted]
Alias                 : [redacted]
ExchangeGuid          : [redacted]
ArchiveGuid           : [redacted]
Status                : InProgress
StatusDetail           : CopyingMessages
SyncStage              : LoadingMessages
Flags                 : IntraOrg, Pull
RequestStyle          : IntraOrg
Direction              : Pull
IsOffline              : False
Protect                : False
DoNotPreserveMailboxSignature : True
Priority               : Normal
WorkloadType           : Local
Suspend                : False
SuspendWhenReadyToComplete : False
IgnoreRuleLimitErrors : False
RecipientTypeDetails  : UserMailbox
SourceVersion          : Version 14.3 (Build 389.0)
```

Status und Report per User

Get-MoveRequestStatistics -Identity jwalter@ndsedv.de -IncludeReport | Export-CSV
C:\Temp\MoveReport\jwalter.csv

```
Select Machine: [redacted]

[PS] C:\Windows\system32>Get-MoveRequestStatistics -Identity ea[redacted]c -IncludeReport | Export-CSV C:\Temp\MoveReport\ea[redacted].csv
[PS] C:\Windows\system32>
```

Status per Datenbank:

Get-MoveRequestStatistics -MoveRequestQueue "DB-04"

```
Machine: [redacted]

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "[redacted]-04"

DisplayName      StatusDetail      TotalMailboxSize      TotalArchiveSize PercentComplete
-----
[redacted]is CopyingMessages 1.285 GB (1,379,959,990 bytes) 46
[redacted]vin Completed 379.7 MB (398,184,064 bytes) 100
[redacted]ian CopyingMessages 193.5 MB (202,871,865 bytes) 85
[redacted]zat CopyingMessages 5.62 GB (6,034,554,212 bytes) 29

[PS] C:\Windows\system32>
```



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Status aller Datenbanken:

```
Machine: [redacted]

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "[redacted]-01"

DisplayName StatusDetail TotalMailboxSize TotalArchiveSize PercentComplete
-----
test User2 Completed 7.944 MB (8,330,223 bytes) 100

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "[redacted]-02"

DisplayName StatusDetail TotalMailboxSize TotalArchiveSize PercentComplete
-----
[redacted] Completed 1.629 GB (1,749,078,779 bytes) 100

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "[redacted]-03"

DisplayName StatusDetail TotalMailboxSize TotalArchiveSize PercentComplete
-----
Walter. Jörn Completed 3.51 GB (3,768,930,299 bytes) 100
[redacted] Completed 3.577 GB (3,840,319,902 bytes) 100

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "[redacted]-04"

DisplayName StatusDetail TotalMailboxSize TotalArchiveSize PercentComplete
-----
[redacted] CopyingMessages 1.285 GB (1,379,959,990 bytes) 66
[redacted] Completed 379.7 MB (398,184,064 bytes) 100
[redacted] Completed 193.5 MB (202,871,865 bytes) 100
[redacted] CopyingMessages 5.62 GB (6,034,554,212 bytes) 37

[PS] C:\Windows\system32>Get-MoveRequestStatistics -MoveRequestQueue "[redacted]-05"

DisplayName StatusDetail TotalMailboxSize TotalArchiveSize PercentComplete
-----
[redacted] Completed 4.282 GB (4,597,662,543 bytes) 100
EXMIG5 Completed 10.49 KB (10,743 bytes) 100

[PS] C:\Windows\system32>
```

Welcher User ist in Bearbeitung

Get-MoveRequest | Where-Object { \$_.Status -eq "InProgress" } | Get-MoveRequestStatistics

```
Machine: [redacted]

[PS] C:\Windows\system32>Get-MoveRequest | Where-Object { $_.Status -eq "InProgress" } | Get-MoveRequestStatistics

DisplayName StatusDetail TotalMailboxSize TotalArchiveSize PercentComplete
-----
Cc [redacted] CopyingMessages 5.62 GB (6,034,554,212 bytes) 38
Br [redacted] CopyingMessages 1.285 GB (1,379,959,990 bytes) 71

[PS] C:\Windows\system32>
```



Exchange 2016 Mailbox Move Request

Ausführlicher Report

```
Get-MoveRequest -TargetDatabase "DB-04" | Get-MoveRequestStatistics | select
DisplayName, TotalMailboxSize, TotalMailboxItemCount, TotalQueuedDuration,
TotalInProgressDuration, TotalSuspendedDuration, CompletionTimestamp | export-csv
C:\temp\MoveReport\Move.csv -NoTypeInformation
```

```
[PS] C:\Windows\system32>Get-MoveRequest -TargetDatabase "DB-04" | Get-MoveRequestStatistics | select DisplayName, TotalMailboxSize, TotalMailboxItemCount, TotalQueuedDuration, TotalInProgressDuration, TotalSuspendedDuration, CompletionTimestamp | export-csv C:\temp\MoveReport\Move.csv -NoTypeInformation
[PS] C:\Windows\system32>
```

	A	B	C	D	E	F	G	H	I
1		TotalMailboxSize	TotalMailboxItemCount	TotalQueuedDuration	TotalInProgressDuration	TotalSuspendedDuration	CompletionTimestamp		
2		5.62 GB (6,034,554,212 bytes)	97138	00:00:04.6748984	00:25:14.6871017	00:00:00			
3		1.285 GB (1,379,959,990 bytes)	39673	00:00:05.0939267	00:26:07.8208223	00:00:00			
4		379.7 MB (398,184,064 bytes)	22408	00:00:04.9973581	00:14:51.6664178	00:00:00	16.08.2018 13:28		
5		193.5 MB (202,871,865 bytes)	23182	00:00:04.3098665	00:11:58.6610503	00:00:00	21.08.2018 13:39		

Ist die Mailbox eine Archiv Mailbox?

```
$mailboxinfo = Get-MailboxStatistics -identity jwalter
$mailboxinfo.displayname
$mailboxinfo.AssociatedItemCount * 5
IF ($mailboxinfo.isarchivemailbox) {"Diese Mailbox ist eine Archiv Mailbox"} else {"Diese Mailbox ist keine Archiv Mailbox"}
```

```
[PS] C:\Windows\system32>$mailboxinfo = Get-MailboxStatistics -identity jwalter
[PS] C:\Windows\system32>$mailboxinfo.displayname
Colakoglu, Nevzat
[PS] C:\Windows\system32>$mailboxinfo.AssociatedItemCount * 5
1640
[PS] C:\Windows\system32>IF ($mailboxinfo.isarchivemailbox) {"Diese Mailbox ist eine Archiv Mailbox"} else {"Mailbox ist kein Archiv"}
Mailbox ist kein Archiv
[PS] C:\Windows\system32>
```



Exchange 2016 Mailbox Move Request

Gab es Fehler beim Verschieben?

```
Get-MoveRequest | ?{$_.status -eq "Failed"} | Get-MoveRequestStatistics -IncludeReport | select displayname, targetdatabase, report | fl > C:\Temp\MoveReport\MoveError.txt
```

```
Machine: [redacted]
[PS] C:\Windows\system32>Get-MoveRequest | ?{$_.status -eq "Failed"} | Get-MoveRequestStatistics -IncludeReport | select displayname, targetdatabase, report | fl > C:\Temp\MoveReport\MoveError.txt
[PS] C:\Windows\system32>
```

Gab es fehlerhafte Items?

```
(Get-MoveRequest | ?{$_.status -eq "Failed"} | Get-MoveRequestStatistics -IncludeReport).report.baditems
```

Welche Vorgang befindet sich noch in Arbeit?

```
Get-MoveRequest | ?{$_.status -notlike "Completed"} | Get-MoveRequestStatistics
```

```
Machine: [redacted]
[PS] C:\Windows\system32>Get-MoveRequest | ?{$_.status -notlike "Completed"} | Get-MoveRequestStatistics
DisplayName      StatusDetail      TotalMailboxSize      TotalArchiveSize  PercentComplete
-----
Co [redacted]      CopyingMessages  5.62 GB (6,034,554,212 bytes)      51
[PS] C:\Windows\system32>
```

Wie viele Request sind noch in Queue?

```
(Get-MoveRequest -MoveStatus Queued).count
```

```
Machine: [redacted]
[PS] C:\Windows\system32>(Get-MoveRequest -MoveStatus Queued).count
0
[PS] C:\Windows\system32>
```

Wie viele Request sind noch nicht „Abgeschlossen“?

```
(Get-MoveRequest -resultsize unlimited | Get-MoveRequestStatistics | where {$_.Status -notlike "completed*"}).count
```

```
Machine: [redacted]
[PS] C:\Windows\system32>(Get-MoveRequest -MoveStatus Queued).count
0
[PS] C:\Windows\system32>(Get-MoveRequest -resultsize unlimited | Get-MoveRequestStatistics | where {$_.Status -notlike "completed*"}).count
1
[PS] C:\Windows\system32>
```



Exchange 2016 Mailbox Move Request

Welcher Request ist aus dem xx Batch Job noch nicht „Abgeschlossen“ und weitere Details anzeigen?

```
Get-MoveRequest -resultsize unlimited | Get-MoveRequestStatistics | where  
({$.Batchname -like "2018_21_08" -and $.Status -ne "completed"}) | sort-object -  
Property Status -descending | ft Displayname, status, percentcomplete -AutoSize
```

Status des Moves und Performance Daten abfragen

```
Get-MoveRequest | Get-MoveRequestStatistics | ft  
DisplayName, batchname, PercentComplete, TotalMailboxSize, BytesTransferredPerMinute -  
AutoSize
```

DisplayName	BatchName	PercentComplete	TotalMailboxSize	BytesTransferredPerMinute
	MigrationService:2018_21_08	81	5.62 GB (6,034,554,212 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	55	398.8 MB (418,156,384 bytes)	0 B (0 bytes)
	MigrationService:2018_08_16	100	4.282 GB (4,597,662,543 bytes)	0 B (0 bytes)
	MigrationService:2018_08_18	100	1.629 GB (1,749,078,779 bytes)	0 B (0 bytes)
	MigrationService:2018_08_07	100	3.51 GB (3,768,930,299 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	100	1.285 GB (1,379,959,990 bytes)	0 B (0 bytes)
	MigrationService:2018_08_18	100	379.7 MB (398,184,064 bytes)	0 B (0 bytes)
	MigrationService:2018_08_18	100	3.577 GB (3,840,319,902 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	100	193.5 MB (202,871,865 bytes)	0 B (0 bytes)
	MigrationService:2018_08_06	100	7.944 MB (8,330,223 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	100	4.018 MB (4,213,478 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	100	5.763 MB (6,043,034 bytes)	0 B (0 bytes)
EXMIG5	MigrationService:2018_08_06_exmig5	100	10.49 KB (10,743 bytes)	0 B (0 bytes)

| sort-object -Property BatchName

DisplayName	BatchName	PercentComplete	TotalMailboxSize	BytesTransferredPerMinute
EXMIG5	MigrationService:2018_08_06_exmig5	100	10.49 KB (10,743 bytes)	0 B (0 bytes)
Test User2	MigrationService:2018_08_06_test.user2	100	7.944 MB (8,330,223 bytes)	0 B (0 bytes)
	MigrationService:2018_08_07	100	3.51 GB (3,768,930,299 bytes)	0 B (0 bytes)
	MigrationService:2018_08_16	100	4.282 GB (4,597,662,543 bytes)	0 B (0 bytes)
	MigrationService:2018_08_18	100	1.629 GB (1,749,078,779 bytes)	0 B (0 bytes)
	ln MigrationService:2018_08_18	100	379.7 MB (398,184,064 bytes)	0 B (0 bytes)
	MigrationService:2018_08_18	100	3.577 GB (3,840,319,902 bytes)	0 B (0 bytes)
	at MigrationService:2018_21_08	83	5.62 GB (6,034,554,212 bytes)	0 B (0 bytes)
	an MigrationService:2018_21_08	100	193.5 MB (202,871,865 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	100	1.285 GB (1,379,959,990 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	91	398.8 MB (418,156,384 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	100	5.763 MB (6,043,034 bytes)	0 B (0 bytes)
	MigrationService:2018_21_08	100	4.018 MB (4,213,478 bytes)	0 B (0 bytes)

Status der laufenden Batches und Migrationszeiten

```
$stats = Get-MoveRequest -MoveStatus Completed | Get-MoveRequestStatistics  
$stats | sort totalmailboxsize | ft  
Alias, {$.totalmailboxsize.ToMB()}, totalinprogressduration -auto
```



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```
Machine
[PS] C:\Windows\system32>$stats = Get-MoveRequest -MoveStatus Completed | Get-MoveRequestStatistics
[PS] C:\Windows\system32> $stats | sort totalmailboxsize | ft Alias,{$_totalmailboxsize.ToMB()},totalinprogressduration -auto
Alias      $_totalmailboxsize.ToMB() TotalInProgressDuration
-----
EXMIGS     0 00:00:12.4984724
           4 00:00:13.2909422
           5 00:00:09.2136572
           7 00:00:17.6463549
           193 00:11:58.6610503
           379 00:14:51.6664178
           1316 00:34:13.3191723
           1668 00:19:51.6992324
           3594 01:14:41.3936575
           3662 00:50:15.2573255
           4384 01:03:28.2657754

[PS] C:\Windows\system32>
```

Welche Mailbox befindet sich im automatischen Abschluss aus einer Batch?

```
Get-MoveRequest -resultsizes unlimited | Get-MoveRequestStatistics | where
{$_Batchname -like "2018_21_08 " -and $_Status -eq "autosuspended"} | Sort-Object
-Property PercentComplete -Descending | ft DisplayName, batchname,
SourceDatabase,PercentComplete,Bytestransferredperminute, Status -AutoSize
```

Welche Mailbox befindet sich im automatischen Abschluss?

```
Get-MoveRequest -resultsizes unlimited | Get-MoveRequestStatistics | where {$_Status -
eq "suspended"} | Sort-Object -Property PercentComplete -Descending | ft DisplayName,
batchname, SourceDatabase,PercentComplete,Status -AutoSize
```

Pausierte Aufträge wieder starten

```
Get-MoveRequest -resultsizes unlimited -MoveStatus Suspended | Resume-MoveRequest
Get-MoveRequest -resultsizes unlimited -MoveStatus Autosuspended | Resume-
MoveRequest
```

Nicht abgeschlossene Aufträge beenden

```
Get-MoveRequest -resultsizes unlimited | Get-MoveRequestStatistics | where {$_Status -
ne "completed"} | Resume-MoveRequest
```

Fehlgeschlagene Aufträge wieder starten

```
Get-MoveRequest -resultsizes unlimited -MoveStatus Failed | Resume-MoveRequest
```

Move Request entfernen

```
Get-MoveRequest -resultsizes unlimited -MoveStatus Completed | Remove-MoveRequest
```

Nicht „Abgeschlossene Requests“ entfernen

```
Get-MoveRequest -resultsizes unlimited | Get-MoveRequestStatistics | where {$_Status -
notlike "completed*"} | Remove-MoveRequest
```



Exchange 2016 Mailbox Move Request

Move Requests mit detaillierten Angaben

```
Get-MoveRequest -resultsize unlimited | Get-MoveRequestStatistics | Sort-Object  
CompletionTimeStamp | ft DisplayName,  
@{Expression={$_.BadItemsEncountered};Label="Errors"},  
@{Expression={$_.PercentComplete};Label="Percent"},  
@{Expression={$_.TotalMailboxSize.ToString().Split("(")[0]};Label="Size"},  
@{Expression={$_.totalinprogressduration};label="Time"},@{Expression={{($_.BytesT  
ransferred/$_.TotalInProgressDuration.TotalMinutes)*60).ToString().Split("(")[0]};Label  
="Pace/hr"},  
@{Expression={$_.MRSServerName.ToString().Split(".")[0]};Label="CAS"},  
@{Expression={$_.SourceDatabase.ToString().Split("\")[0]};Label="SourceServer"},So  
urceDatabase,Status,CompletionTimestamp -auto
```

DisplayName	Errors	Percent	Size	Time	Pace/hr	CAS	SourceServer	SourceDatabase	Status	CompletionTimestamp
Test User2	0	95	5.62 GB	01:31:18.4983704	4.53 GB		DB-08	DB-08	InProgress	
	0	100	7.944 MB	00:00:17.6463549			DB-10	DB-10	Completed	06.08.2018 15:09:24
EXMIGS	0	100	10.49 KB	00:00:12.4984724			DB-08	DB-08	Completed	06.08.2018 17:32:00
Walter, Jörn	0	100	3.51 GB	01:14:41.3936575	3.692 GB		DB-04	DB-04	Completed	07.08.2018 14:24:02
	0	100	379.7 MB	00:14:51.6664178	2.072 GB		DB-05	DB-05	Completed	16.08.2018 13:28:02
	0	100	3.577 GB	00:50:15.2573255	5.382 GB		DB-07	DB-07	Completed	16.08.2018 14:02:26
	0	100	4.282 GB	01:03:28.2657754	5.029 GB		DB-09	DB-09	Completed	16.08.2018 14:10:30
	0	100	1.629 GB	00:19:51.6992324	5.419 GB		DB-07	DB-07	Completed	16.08.2018 16:46:08
	0	100	193.5 MB	00:11:58.6610503	1.871 GB		DB-04	DB-04	Completed	21.08.2018 13:39:45
	0	100	1.285 GB	00:34:13.3191723	2.816 GB		DB-04	DB-04	Completed	21.08.2018 14:00:31
	0	100	5.763 MB	00:00:09.2136572			DB-04	DB-04	Completed	21.08.2018 14:34:42
	0	100	4.018 MB	00:00:13.2909422			DB-09	DB-09	Completed	21.08.2018 14:35:01
	0	100	398.8 MB	00:06:49.8088237	4.363 GB		DB-04	DB-04	Completed	21.08.2018 14:43:37

Export der Abfrage

```
Get-MoveRequest -resultsize unlimited | Get-MoveRequestStatistics | Sort-Object status |  
ft DisplayName, @{Expression={$_.BadItemsEncountered};Label="Errors"},  
@{Expression={$_.PercentComplete};Label="Percent"},  
@{Expression={$_.TotalMailboxSize.ToString().Split("(")[0]};Label="Size"},  
@{Expression={$_.totalinprogressduration};label="Time"},@{Expression={{($_.BytesT  
ransferred/$_.TotalInProgressDuration.TotalMinutes)*60).ToString().Split("(")[0]};Label  
="Pace/hr"},  
@{Expression={$_.MRSServerName.ToString().Split(".")[0]};Label="CAS"},  
@{Expression={$_.SourceDatabase.ToString().Split("\")[0]};Label="SourceServer"},So  
urceDatabase,Status,CompletionTimestamp -auto > C:\Temp\MoveReport\details.txt
```

DisplayName	Errors	Percent	Size	Time	Pace/hr	CAS	SourceServer	SourceDatabase	Status	CompletionTimestamp
Test User2	0	100	7.944 MB	00:00:17.6463549			DB-10	DB-10	Completed	06.08.2018 15:09:24
	0	100	193.5 MB	00:11:58.6610503	1.871 GB		DB-04	DB-04	Completed	21.08.2018 13:39:45
	0	100	3.577 GB	00:50:15.2573255	5.382 GB		DB-07	DB-07	Completed	16.08.2018 14:02:26
	0	100	10.49 KB	00:00:12.4984724			DB-08	DB-08	Completed	06.08.2018 17:32:00
	0	100	5.763 MB	00:00:09.2136572			DB-04	DB-04	Completed	21.08.2018 14:34:42
	0	100	4.018 MB	00:00:13.2909422			DB-09	DB-09	Completed	21.08.2018 14:35:01
	0	100	379.7 MB	00:14:51.6664178	2.072 GB		DB-05	DB-05	Completed	16.08.2018 13:28:02
	0	100	5.62 GB	01:31:41.8350207	4.48 GB		DB-08	DB-08	Completed	21.08.2018 14:58:46
	0	100	1.629 GB	00:19:51.6992324	5.419 GB		DB-07	DB-07	Completed	16.08.2018 16:46:08
	0	100	4.282 GB	01:03:28.2657754	5.029 GB		DB-09	DB-09	Completed	16.08.2018 14:10:30
	0	100	1.285 GB	00:34:13.3191723	2.816 GB		DB-04	DB-04	Completed	21.08.2018 14:00:31
	0	100	3.51 GB	01:14:41.3936575	3.692 GB		DB-04	DB-04	Completed	07.08.2018 14:24:02
	0	100	398.8 MB	00:06:49.8088237	4.363 GB		DB-04	DB-04	Completed	21.08.2018 14:43:37



Exchange 2016 Mailbox Move Request

Move Request abbrechen

```
Get-MoveRequest -Identity „jwalter“ | Remove-MoveRequest
```

Real Time Status der Aufträge inkl. der Abgeschlossenen

```
while ($true) { Get-MoveRequest | Get-MoveRequestStatistics; Start-Sleep -Seconds 2;  
Clear-Host; }
```

Real Time Status der Aufträge ohne abgeschlossene

```
while ($true) { Get-MoveRequest | Get-MoveRequestStatistics | Where {$_.Status -ne  
"Completed"} ; Start-Sleep -Seconds 2; Clear-Host; }
```

Real Time Status der Aufträge nur Abgeschlossene

```
while (1 -eq 1) { Get-MoveRequest | Get-MoveRequestStatistics | Where {$_.Status -eq  
"Completed"} ; Start-Sleep -Seconds 2; Clear-Host; }
```

Optional:

Datenbank Konnektivität

```
Get-MailboxServer | Test-MAPIConnectivity | ft server, database, latency, result, error -  
auto
```

```
[PS] C:\Windows\system32>Get-MailboxServer | Test-MAPIConnectivity | ft server, database, latency, result, error -auto  
WARNING: The operation could not be performed because no mailbox database is currently hosted on server [redacted].  
Server      Database      Latency      Result      Error  
-----  
PFProxyDatabaseMsx3 00:00:00.0084907 Success  
PFProxyDatabaseMsx4 00:00:00.1061495 Success  
DB-01       00:00:00.0380560 Success  
DB-02       00:00:00.0329849 Success  
DB-03       00:00:00.0664856 Success  
DB-04       00:00:00.0302078 Success  
DB-05       00:00:00.0293952 Success  
DB-06       00:00:00.0495599 Success  
DB-07       00:00:00.0252536 Success  
DB-08       00:00:00.0351974 Success  
DB-09       00:00:00.0304796 Success  
DB-10       00:00:00.0405733 Success  
DB-Journaling 00:00:00.0205363 Success  
DB-System    00:00:00.0717290 Success  
DAB-02       00:00:00.0275304 Success  
DAB-04       00:00:00.0161894 Success  
DBSYSPPF    00:00:00.0171537 Success  
-01         00:00:00.0044540 Success  
-03         00:00:00.0043094 Success  
-05         00:00:00.0043308 Success  
316Journaling 00:00:00.0042741 Success  
  
[PS] C:\Windows\system32>_
```

Anzahl der Mailboxen per Datenbank

```
Get-Mailbox -ResultSize:Unlimited | Group-Object -Property:Database | Select-Object  
Name,Count | Sort-Object -Property:Count -Descending
```



Exchange 2016 Mailbox Move Request

Service Status abfragen

```
Get-ExchangeServer | foreach {$name = $_.name; Test-ServiceHealth | ft @({Label="Server"; Expression={$name}}, role,requiredservicesrunning, servicesnotrunning)}
```

```
[PS] C:\Windows\system32>Get-ExchangeServer | foreach {$name = $_.name; Test-ServiceHealth | ft @({Label="Server"; Expression={$name}}, role,requiredservicesrunning, servicesnotrunning)}
```

Server	Role	RequiredServicesRunning	ServicesNotRunning
	Mailbox Server Role	True	{}
	Client Access Server Role	True	{}
	Unified Messaging Server Role	True	{}
	Hub Transport Server Role	True	{}

Server	Role	RequiredServicesRunning	ServicesNotRunning
	Mailbox Server Role	True	{}
	Client Access Server Role	True	{}
	Unified Messaging Server Role	True	{}
	Hub Transport Server Role	True	{}

Server	Role	RequiredServicesRunning	ServicesNotRunning
	Mailbox Server Role	True	{}
	Client Access Server Role	True	{}
	Unified Messaging Server Role	True	{}
	Hub Transport Server Role	True	{}

Server	Role	RequiredServicesRunning	ServicesNotRunning
	Mailbox Server Role	True	{}
	Client Access Server Role	True	{}
	Unified Messaging Server Role	True	{}
	Hub Transport Server Role	True	{}

Server	Role	RequiredServicesRunning	ServicesNotRunning
	Mailbox Server Role	True	{}
	Client Access Server Role	True	{}
	Unified Messaging Server Role	True	{}
	Hub Transport Server Role	True	{}

Server	Role	RequiredServicesRunning	ServicesNotRunning
	Mailbox Server Role	True	{}
	Client Access Server Role	True	{}
	Unified Messaging Server Role	True	{}
	Hub Transport Server Role	True	{}

Server	Role	RequiredServicesRunning	ServicesNotRunning
	Mailbox Server Role	True	{}
	Client Access Server Role	True	{}
	Unified Messaging Server Role	True	{}
	Hub Transport Server Role	True	{}


```
[PS] C:\Windows\system32>
```

Größte Datenbank anzeigen

```
Get-MailboxDatabase -Status | sort DatabaseSize -Descending | select name -first 1
```



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Datenbank sortiert nach Größe inkl. Whitespace

```
Get-MailboxDatabase -Status | sort DatabaseSize -Descending | select  
name,@{Name='DB Size  
(Gb)';Expression={$_.DatabaseSize.ToGb()}},@{Name='Available New Mbx Space  
(Gb)';Expression={$_.AvailableNewMailboxSpace.ToGb()}}
```

```
[PS] C:\Windows\system32>Get-MailboxDatabase -Status | sort DatabaseSize -Descending | select name,@{Name='DB Size (Gb)';Expression={$_.DatabaseSize.ToGb()}},@{Name='Available New Mbx Space (Gb)';Expression={$_.AvailableNewMailboxSpace.ToGb()}}
```

Name	DB Size (Gb)	Available New Mbx Space (Gb)
DA/	7	0
DA/	6	0
DA/	4	0
DA/	1	0
DE/	0	0
DE/	0	0
DA/	0	0

Mailbox Statistik pro Datenbank

```
Get-Mailbox -Database „DB-04“ | Get-MailboxStatistics | Select Identity, DisplayName,  
@{name="TotalItemSize(MB)"; expression={$_.totalitemsize.value.toMB()}},  
ItemCount | Sort "TotalItemSize(MB)" -Descending | Export-CSV  
C:\Temp\MoveReport\MailboxStaticDB.csv -NoTypeInfoInformation
```

```
[PS] C:\Windows\system32>Get-Mailbox -Database „DB-04“ | Get-MailboxStatistics | Select Identity, DisplayName, @{name="TotalItemSize(MB)"; expression={$_.totalitemsize.value.toMB()}}, ItemCount | Sort "TotalItemSize(MB)" -Descending | Export-CSV C:\Temp\MoveReport\MailboxStaticDB.csv -NoTypeInfoInformation
```

Report:

Identity	DisplayName	TotalItemSize(MB)	ItemCount
f75dc454-47e1-4e63-9b9f-b9bd38d0624d	is	1831	39325
7e7db165-89a4-4186-910f-bf9803980b70		608	22190
78fec799-74a6-47cf-b4fa-321c0fb630b1	n	354	23101



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Welche Mailboxen sind disabled?

```
Get-MailboxDatabase | Get-MailboxStatistics | ?{ $_.DisconnectReason -eq "Disabled" }
```

Disabled Mailboxen sofort löschen ohne die Retention Zeit abzuwarten

```
Get-MailboxDatabase | Get-MailboxStatistics | ?{ $_.DisconnectReason -eq "Disabled" } |  
%{ Remove-StoreMailbox -Database $_.database -identity $_.mailboxguid -MailboxState  
Disabled }
```

Welche Mailboxen wurden/sind Soft-Delete

```
Get-MailboxStatistics -Database DB-04 | ?{ $_.DisconnectReason -eq "SoftDeleted" }
```

Soft-Delete Mailboxen sofort löschen ohne die Retention abzuwarten

```
Get-MailboxStatistics -Database DB-04 | ?{ $_.DisconnectReason -eq "SoftDeleted" } |  
%{ Remove-StoreMailbox -Database $_.database -identity $_.mailboxguid -MailboxState  
Softdeleted }
```

Wie viele Mailboxen sind in der Datenbank?

```
Get-mailboxdatabase -identity „DB-04“ | Get-Mailbox -resultsize unlimited | Group-  
Object -Property:Database | FT name,count -AutoSize
```

```
Machine: [redacted]
[PS] C:\Windows\system32>Get-mailboxdatabase -identity „DB-04“ | Get-Mailbox -resultsize unlimited | Group-Object -Property:Database | FT name,count -AutoSize

Name      Count
----      -
DB-04      3

[PS] C:\Windows\system32>
```



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Service Connection Points abfragen

```
$obj = @()
```

```
$ADDomain = Get-ADDomain | Select DistinguishedName  
$DSSearch = New-Object System.DirectoryServices.DirectorySearcher  
$DSSearch.Filter = '(&(objectClass=serviceConnectionPoint)(|(keywords=67661d7F-8FC4-4fa7-BFAC-E1D7794C1F68)(keywords=77378F46-2C66-4aa9-A6A6-3E7A48B19596)))'  
$DSSearch.SearchRoot = 'LDAP://CN=Configuration,'+$ADDomain.DistinguishedName  
$DSSearch.FindAll() | %{
```

```
$ADSI = [ADSI]$_Path  
$autodiscover = New-Object psobject -Property @{  
Server = [string]$ADSI.cn  
Site = $adsi.keywords[0]  
DateCreated = $adsi.WhenCreated.ToShortDateString()  
AutoDiscoverInternalURI = [string]$adsi.ServiceBindingInformation  
}  
$obj += $autodiscover
```

```
}
```

```
Write-Output $obj | Select Server,Site,DateCreated,AutoDiscoverInternalURI | ft -AutoSize
```

The screenshot shows the Windows PowerShell ISE interface. The script is pasted into the editor, and the output is displayed in the console window. The output is a table with four columns: Server, Site, DateCreated, and AutoDiscoverInternalURI. The data shows four entries for Site=RZ, all with the same DateCreated (14.03.2012) and AutoDiscoverInternalURI (https://de/Autodiscover/Autodiscover.xml).

```
Server      Site      DateCreated AutoDiscoverInternalURI  
-----  
Site=RZ    14.03.2012 https://    de/Autodiscover/Autodiscover.xml  
Site=RZ    15.03.2012 https://    de/Autodiscover/Autodiscover.xml  
Site=RZ    15.03.2012 https://    de/Autodiscover/Autodiscover.xml  
Site=RZ    17.07.2018 https://    de/Autodiscover/Autodiscover.xml  
Site=RZ    17.07.2018 https://    de/Autodiscover/Autodiscover.xml
```