# Objective:

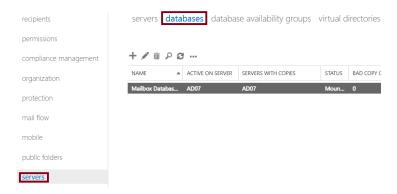
Manage the Exchange 2019 database using the Exchange Admin Center (EAC), including:

- Viewing status and backup information
- Modifying maintenance and storage settings
- Changing client settings
- Mounting and dismounting the database

## Step 1 - Open EAC and go to Servers > Databases

I logged into the EAC by opening a browser and navigating to: https://ad07.domain07.local/ecp/

Then I selected "Servers" from the left menu and clicked on the "Databases" tab.



# Step 2 - Select the database and review its properties

I clicked on the existing database listed (e.g., `Mailbox Database  $1447570408\AD07$ `) to view its settings.

#### general

maintenance limits client settings

Database path:
C:\Program Files\Microsoft\Exchange Server\V15\Mailbox\M
Last full backup:
Last incremental backup:
Status:
Mounted
Mounted on server:
ad07.domain07.local
Master:
AD07
Master type:
Server
Modified:
6/17/2025 9:00 PM
Servers hosting a copy of this database:
AD07

#### Answers:

- Status of the database: Mounted
- Server name hosting the database: `ad07`
- Database path: `C:\Program Files\Microsoft\Exchange Server\V15\Mailbox\Mailbox Database 1635488946`
- Last full backup: Not available (None)
- Last incremental backup: Not available (None)

# Step 3 - Try deleting the database from EAC

I attempted to delete the selected database.

# error

This mailbox database contains one or more mailboxes, mailbox plans, archive mailboxes, public folder mailboxes or arbitration mailboxes, Audit mailboxes. To get a list of all mailboxes in this database, run the command Get-Mailbox -Database <Database ID>. To get a list of all mailbox plans in this database, run the command Get-MailboxPlan. To get a list of archive mailboxes in this database, run the command Get-Mailbox -Database <Database ID> -Archive. To get a list of all public folder mailboxes in this database, run the command Get-Mailbox -Database < Database ID> -PublicFolder. To get a list of all arbitration mailboxes in this database, run the command Get-Mailbox -Database <Database ID> -Arbitration. To get a list of all Audit mailboxes in this database, run the command Get-Mailbox -Database < Database ID> -AuditLog. To disable a nonarbitration mailbox so that you can delete the mailbox database, run the command Disable-Mailbox <Mailbox ID>. To disable an archive mailbox so you can delete the mailbox database, run the command Disable-Mailbox <Mailbox ID> -Archive. To disable a public folder mailbox so that you can delete the mailbox database, run the command Disable-Mailbox <Mailbox ID> -PublicFolder. To disable a Audit mailbox so that you can delete the mailbox database, run the command  $\operatorname{Get-Mailbox}$  -AuditLog | Disable-Mailbox.

OK

## Result:

- Not able to delete it.

Reason: The database could not be removed because it still contains mailboxes or system mailboxes (e.g., Arbitration mailboxes).

# Step 4 - Configure maintenance and logging settings

I opened the properties of the same database and went to the  $\star\star$  Maintenance  $\star\star$  section.

# Changes made:

- Set the custom maintenance schedule:

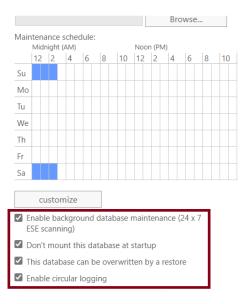
Days: Saturday and SundayTime: 12:00 AM to 2:00 AM

Sunday  Monday Tuesday  Wednesday  Thursday  Friday		,							PM)	on (	No									AM)	ht (	Inig	Mic	
Monday Tuesday Wednesday Thursday Friday	10 11	9	8	7	6	5	4	3	2	1	12	11	10	9	8	7	6	5	4	3	2	1	12	All
Tuesday Wednesday Thursday Friday																								Sunday
Wednesday Thursday Friday																								Monday
Thursday Friday																								Tuesday
Friday																								Wednesday
																								Thursday
																								Friday
Saturday																								Saturday

- Enabled "This database can be overwritten by a restore"
- Enabled background database maintenance
- Enabled circular logging
- Checked "Don't mount this database at startup"

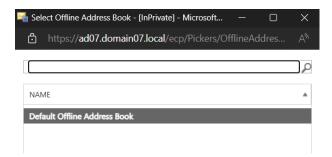
Mailbox Database 1447570408





Then clicked \*\*Save\*\*.

```
Part 3 - Storage Limits
Step 5 - Set database limits
In the **Limits** section of the database properties, I made the following
updates:
 Mailbox Database 1447570408
 general
              *Issue a warning at (GB):
 maintenance
              1.5
▶ limits
              *Prohibit send at (GB):
 client settings
              2.2
              *Prohibit send and receive at (GB):
              *Keep deleted items for (days):
              *Keep deleted mailboxes for (days):
              ✓ Don't permanently delete items until the database
- Issue warning at (GB): `1.5`
- Prohibit send at (GB): `2.2`
- Prohibit send and receive at (GB): `2.5`
- Keep deleted items for (days): `10`
- Keep deleted mailboxes for (days): `20`
- Enabled "Don't permanently delete items until the database is backed up"
Clicked **Save** to apply the changes.
Part 4 - Client Settings
Step 6 - Change OAB (Offline Address Book)
Switched to the **Client Settings** tab in the database properties.
I changed the assigned Offline Address Book to a different option.
```



# Answer:

- Available OAB options included: `Default Offline Address Book (Ex2013)` and any custom OABs created manually.

Clicked \*\*Save\*\*.

Part 5 - Mounting and Dismounting

### Step 7 - Dismount the database

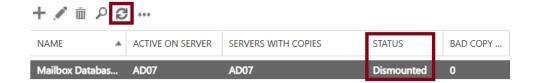
Back on the Databases list page, I selected the database and clicked the \*\*... (More options) \*\* button in the toolbar.

Then I clicked \*\*Dismount\*\* to take the database offline.



## Step 8 - Refresh the database status

I clicked \*\*Refresh\*\* in the EAC to confirm that the database status changed to `Dismounted`.



# Step 9 - Mount the database again

I selected the database and clicked \*\*... (More options) > Mount\*\*.



Confirmed that the status is back to `Mounted`



Finally, I closed the EAC console.

#### Objective:

Perform mailbox database administration tasks **using** Exchange Management Shell (EMS).

```
Welcome to the Exchange Management Shell!

Full list of cmdlets: Get-Command

Only Exchange cmdlets: Get-ExCommand

Cmdlets that match a specific string: Help *<string>*

Get general help: Help

Get help for a cmdlet: Help <cmdlet name> or <cmdlet name> -?

Exchange team blog: Get-ExBlog

Show full output for a command: <command> | Format-List

Show quick reference guide: QuickRef

VERBOSE: Connecting to ad07.domain07.local.

[PS] C:\Users\Administrator>
```

Step 1 - Display all mailbox databases on server ad07

Get-MailboxDatabase -Server ad07

```
[PS] C:\Users\Administrator>Get-MailboxDatabase -Server ad07NameServerRecoveryReplicationType---------------Mailbox Database 1447570408AD07FalseNone
```

# Step ${\bf 2}$ - Display all properties of the main mailbox database

Get-MailboxDatabase -Identity "Mailbox Database 1447570408" | Format-List

```
RunspaceId
JournalRecipient
MailboxRetention
Stipular Space Space
RecoverableItemsQuota
```

```
Get-MailboxDatabase -Identity "Mailbox Database 1447570408" | Format-List
Name, Guid
[PS] C:\Users\Administrator>Get-MailboxDatabase -Identity "Mailbox Database 1447570408" | Format-List Name,Guid
Name : Mailbox Database 1447570408
Guid : ea8c784f-c108-4403-8a3f-20bd4d2a95c2
Part 2 - Creating and Managing Databases
Step 4 - Create a new mailbox database named DB02 on ad07
New-MailboxDatabase -Name "DB02" -Server ad07
[PS] C:\Users\Administrator>New-MailboxDatabase -Name "DB02"
Name
                                         Recovery
                                                       ReplicationType
                           Server
DB02
                           AD07
                                         False
                                                       None
WARNING: Please restart the Microsoft Exchange Information Store service on server ADO7 after
adding new mailbox databases.
Step 5 - Restart the Exchange Information Store service
Restart-Service MSExchangeIS
[PS] C:\Users\Administrator>Restart-Service MSExchangeIS
WARNING: Waiting for service 'Microsoft Exchange Information Store (MSExchangeIS)' to start..
[PS] C:\Users\Administrator>
Step 6 - Verify if databases are mounted
Get-MailboxDatabase -Status | Select Name, Mounted
[PS] C:\Users\Administrator>Get-MailboxDatabase -Status | Select Name,Mounted
Name
                          Mounted
Mailbox Database 1447570408
                            False
DB02
                            False
Part 3 - Mounting and Dismounting
Step 7 - Mount DB02
Mount-Database -Identity "DB02"
 PS] C:\Users\Administrator>Mount-Database -Identity
[PS] C:\Users\Administrator>_
Step 8 - Verify mount status
Get-MailboxDatabase -Status | Where-Object {$ .Name -eq "DB02"} | Select
Name, Mounted
[PS] C:\Users\Administrator>Get-MailboxDatabase -Status | Where-Object {$_.Name to Name, Mounted
Name Mounted
DB02
      True
```

Step 3 - Display only the name and GUID of this database

```
Dismount-Database -Identity "DB02"
[PS] C:\Users\Administrator>Dismount-Database -Identity "DB02"
Are you sure you want to perform this action?
Dismounting database "DB02". This may result in reduced availability for mailboxes in the
database.
[Y] Yes [A] Yes to All [N]
[PS] C:\Users\Administrator>_
         [A] Yes to All [N] No [L] No to All [?] Help (default is "Y"): A
Step 10 - Verify dismount status
Get-MailboxDatabase -Status | Where-Object {$ .Name -eq "DB02"} | Select
Name, Mounted
[PS] C:\Users\Administrator>Get-MailboxDatabase -Status | Where-Object {$_.Name -eq "DB02"} | Selec
t Name,Mounted
Name Mounted
DB02 False
Part 4 - File Path Management
Step 11 - Create folder for DB02 database
New-Item -Path "C:\Databases\DB02" -ItemType Directory
[PS] C:\Users\Administrator>New-Item -Path "C:\Databases\DB02" -ItemType Directory
    Directory: C:\Databases
Mode
                        LastWriteTime
                                                Length Name
                 6/19/2025 6:15 PM
                                                        DB02
Step 12 - Move the database file and rename it to db002.edb
Move-DatabasePath -Identity "DB02" -EdbFilePath "C:\Databases\DB02\db002.edb"
-LogFolderPath "C:\Databases\DB02"
Confirm
Are you sure you want to perform this action?
Moving database path "DB02".
[Y] Yes [A] Yes to All [N] No [L] No to All [?] Help (default is "Y"): A
[PS] C:\Users\Administrator>_
Step 13 - Transaction logs are moved with the above command as specified
[PS] C:\Users\Administrator>Move-DatabasePath -Identity "DBO2" -EdbFilePath "C:\Databases\DBO2\db00
2.edb" -LogFolderPath "C:\Databases\DBO2"
Are you sure you want to perform this action?
Moving database path "DB02".
[Y] Yes [A] Yes to All [N] No [L] No to All [?] Help (default is "Y"): A
[PS] C:\Users\Administrator>_
```

Step 9 - Dismount DB02

```
Name, EdbFilePath, LogFolderPath
[PS] C:\Users\Administrator>Get-MailboxDatabase -Identity "DB02" | Format-List Name,EdbFilePath,LogFolderPath
              : DB02
EdbFilePath : C:\Databases\DB02\db002.edb
LogFolderPath : C:\Databases\DB02
EdbFilePath
Part 5 - Quota Configuration
Step 15 - Mount DB02 again
Mount-Database -Identity "DB02"
    C:\Users\Administrator>Mount-Database -Identity
     C:\Users\Administrator>_
Step 16 - Set warning quota to 800 MB
Set-MailboxDatabase -Identity "DB02" -IssueWarningQuota 800MB
    C:\Users\Administrator>Set-MailboxDatabase -Identity "DB02" -IssueWarningQuota 800MB
     C:\Users\Administrator>
Step 17 - Set prohibit send quota to 2 GB
Set-MailboxDatabase -Identity "DB02" -ProhibitSendQuota 2GB
     C:\Users\Administrator>Set-MailboxDatabase -Identity "DB02" -ProhibitSendQuota 2GB C:\Users\Administrator>
Step 18 - Remove prohibit send/receive quota
Set-MailboxDatabase -Identity "DB02" -ProhibitSendReceiveQuota unlimited
[PS] C:\Users\Administrator>Set-MailboxDatabase -Identity "DBO2" -ProhibitSendReceiveQuota unlimite
[PS] C:\Users\Administrator>
Step 19 - Verify new quota settings
Get-MailboxDatabase -Identity "DB02" | Format-List
Name, IssueWarningQuota, ProhibitSendQuota, ProhibitSendReceiveQuota
[PS] C:\Users\Administrator>Get-MailboxDatabase -Identity "DBO2" | Format-List Name,IssueWarningQuo
ta,ProhibitSendQuota,ProhibitSendReceiveQuota
Name
                           DR02
                           800 MB (838,860,800 bytes)
2 GB (2,147,483,648 bytes)
Unlimited
IssueWarningQuota
ProhibitSendQuota
ProhibitSendReceiveQuota
Step 20 - Delete the database DB02
Remove-MailboxDatabase -Identity "DB02"
[PS] C:\Users\Administrator>Remove-MailboxDatabase -Identity "DB02"
Confirm
Are you sure you want to perform this action?
Removing mailbox database "DB02".
[Y] Yes [A] Yes to All [N] No [L] No to All [?] Help (default is "Y"): A
WARNING: The specified database has been removed. You must remove the database file located in
C:\Databases\DB02\db002.edb from your computer manually if it exists. Specified database: DB02
```

Step 14 - Confirm updated file paths

[PS] C:\Users\Administrator>

Get-MailboxDatabase -Identity "DB02" | Format-List