

## Exercise 1 – Managing an Exchange 2019 Database using EAC

### Objective:

- Manage the Exchange 2019 database using **Exchange Administration Center (EAC)**

### Tasks:

#### Part 1: Database Overview and Status

1. Open the **Exchange Administration Center (EAC)** and navigate to **Servers > Databases**.
  2. Select an existing database and review its properties:
    - What is the **status** of the database?
    - What is the **server name** hosting this database?
    - What is the **database path**?
    - What is the date of the **last full** and last **incremental backup**?
  3. Try to **delete** this database from the EAC.
    - Are you able to do so? Why or why not?
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#### Part 2: Maintenance Settings

4. Open the **properties** of the same database and configure the following:
    - Modify the **maintenance schedule** to run only on **weekends** between **midnight and 2:00 AM**.
    - Enable the option **“This database can be overwritten by a restore”**.
    - Enable **background maintenance** and **circular logging**.
    - Prevent the database from mounting at **startup**.
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#### Part 3: Storage Limits

5. In the **Limits** section of the database settings:
  - Set the warning threshold to **1.5 GB**.
  - Set the prohibit send limit to **2.2 GB**.
  - Set the prohibit send and receive limit to **2.5 GB**.

- Retain deleted items for **10 days**.
  - Retain deleted mailboxes for **20 days**.
  - Enable the option “**Don’t permanently delete items until the database is backed up**”.
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#### Part 4: Client Settings

6. In the **Client Settings** tab:
    - Change the Offline Address Book (OAB) assigned to the database.
    - What options are available for OAB selection?
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#### Part 5: Mounting and Dismounting

7. Select the database and **dismount** it from the EAC.
8. Refresh the status and verify that the database is no longer mounted.
9. Now **mount** the same database again.

**\*\* Close the Exchange Administration Center (EAC) console.**

### Exercise 2 – Manage Exchange 2019 Database using PowerShell (EMS)

#### Objective:

Perform **mailbox database administration tasks** in Exchange using **PowerShell (EMS)**.

#### Tasks:

##### Part 1: Database Information and Status

1. Display all mailbox databases hosted by your server **adXX**.
  2. Display all properties of this database.
  3. Display only the name and GUID of this database.
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##### Part 2: Creating and Managing Databases

4. Create a new mailbox database named **DB02** on the server **adXX** using default settings.
  5. Restart the Exchange Information Store service to refresh memory allocation.
  6. Verify if the mailbox databases are mounted.
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### Part 3: Mounting and Dismounting

7. Mount the mailbox database **DB02**.
  8. Verify its mount status.
  9. Dismount the **DB02** database.
  10. Verify its status again.
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### Part 4: File Path Management

11. Create the folder **C:\Databases\DB02**.
  12. Move the **DB02** database file to **C:\Databases\DB02** and rename it db002.edb.
  13. Move the transaction log files of **DB02** to the same folder.
  14. Display the updated database and log file paths.
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### Part 5: Quota Configuration

15. Mount the **DB02** database again.
16. Set a warning quota of **800 MB** on the **DB02** database.
17. Set a prohibit send quota of **2 GB**.
18. Remove the prohibit send/receive quota limits.
19. Verify the new quota settings.

\* Delete the Database **DB02**.

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### Lab Deliverables

You should submit a **lab report** including the **answers** to the questions, and **screenshots** of the any **GUI configuration**, **PowerShell commands** used and its **results**.