**Send Email Notification After Copy Data in ADF**

**🎯 Goal:**

After a successful **Copy Data activity**, we want to **automatically notify a user via email**.

We’ll use:

* **Azure Data Factory**
* **Copy Data Activity**
* **Azure Logic App** (to send the email)

**🛠️ Prerequisites:**

* Azure Subscription
* Azure Data Factory created
* Azure Storage Account with a source file (CSV is fine)
* Destination (can be another blob or a SQL table)
* Logic App (we'll create it here)

**✅ Steps Overview:**

1. Create a Logic App to send email
2. Create a Copy Data pipeline in ADF
3. Use **Web Activity** to trigger Logic App after Copy
4. Test the entire flow

**🔧 Step-by-Step Instructions**

**🔹 Step 1: Create Logic App to Send Email**

1. Go to **Azure Portal** → Search **Logic Apps**
2. Click **Create** → Choose **Consumption** type
3. Fill in:
   * Name: SendNotificationApp
   * Resource group, region, etc.
4. After deployment, open the Logic App Designer
5. Choose **Blank Logic App**
6. In the trigger, search for **"When an HTTP request is received"** → Select it
7. Add a new **Step** → Choose **Office 365 Outlook – Send an Email (V2)**
   * Sign in to your O365 account
   * To: user’s email (or parameter from trigger)
   * Subject: ADF Copy Data Completed
   * Body: Custom message like The data copy pipeline finished successfully.
8. Go back to the **trigger block** → Click **Use sample payload**  
   Paste:

{

"email": "test@example.com",

"status": "success"

}

1. Click **Done**. Save Logic App.
2. Copy the **HTTP POST URL** → We’ll use this in ADF

**🔹 Step 2: Create ADF Pipeline – Copy Data + Notification**

1. Go to **Azure Data Factory Studio**
2. Create a new pipeline → Name it CopyDataWithNotification
3. **Add Copy Data activity**
   * Source: Point to your CSV in Blob
   * Sink: Another Blob or SQL table
4. After Copy activity, drag a **Web activity**
   * Name: SendEmail
   * URL: Paste the Logic App POST URL
   * Method: POST

Headers:

{

"Content-Type": "application/json"

}

Body:

{

"email": "user@example.com",

"status": "success"

}

1. Connect the **Copy activity → Web activity**  
   (Ensure it's **success path** only)

**🔍 Step 3: Run and Test**

1. Trigger the pipeline manually or via a trigger
2. Once Copy Data completes, Logic App is called
3. You (or the test user) should receive an email