

Create User and permissions

? SQL Server Debezium Test — Without GO

1. Create Database

```
CREATE DATABASE DebeziumTest;
```

Switch Database

```
USE DebeziumTest;
```

? 2. Enable CDC on the Database

(Works without GO)

```
EXEC sys.sp_cdc_enable_db;
```

? 3. Create Test Table

```
CREATE TABLE dbo.Customers (  
    CustomerID INT IDENTITY(1,1) PRIMARY KEY,  
    FirstName NVARCHAR(100),  
    LastName NVARCHAR(100),  
    Email NVARCHAR(255),
```

```
CreatedAt DATETIME DEFAULT GETDATE()
```

```
);
```

? 4. Enable CDC on the Table

```
EXEC sys.sp_cdc_enable_table  
    @source_schema = 'dbo',  
    @source_name = 'Customers',  
    @role_name = NULL,  
    @supports_net_changes = 0;
```

? 5. Insert Sample Data

```
INSERT INTO dbo.Customers (FirstName, LastName, Email)  
VALUES  
    ('Golam', 'Kibria', 'golam@example.com'),  
    ('John', 'Doe', 'john.doe@example.com'),  
    ('Jane', 'Smith', 'jane.smith@example.com');
```

? 6. Update Data

```
UPDATE dbo.Customers  
SET Email = 'golam.kibria@updated.com'  
WHERE CustomerID = 1;
```

? 7. Delete Data

```
DELETE FROM dbo.Customers  
WHERE CustomerID = 2;
```

? 8. Check CDC Status

```
SELECT name, is_cdc_enabled FROM sys.databases WHERE name='DebeziumTest';
```

```
SELECT name, is_tracked_by_cdc FROM sys.tables WHERE name='Customers';
```

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