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step-1. create file group for cdc

```
USE [master]
GO
ALTER DATABASE [CDC_TESTDB] ADD FILEGROUP [CDC_FG];
GO
```

step-2. add file to cdc file group, if required multiple files then add info by comma separated before "TO FILEGROUP [CDC_FG]"

```
ALTER DATABASE CDC_TESTDB
ADD FILE
(
    NAME = CDC_DATA,
    FILENAME = 'G:\CDC_Data\CDC_DATA_FILE.ndf',
    SIZE = 128MB,
    FILEGROWTH = 64MB
)
TO FILEGROUP [CDC_FG];
```

step-3. create login and user for required DB

```
USE [master]
GO
CREATE LOGIN [CDCUser] WITH PASSWORD=N'Test@12345',
DEFAULT_DATABASE=[master],
CHECK_EXPIRATION=ON, CHECK_POLICY=ON
GO
USE [CDC_TESTDB]
GO
CREATE USER [CDCUser] FOR LOGIN [CDCUser]
GO
```

step-4. create cdc role for required DB and add above user to the role

```
USE [CDC_TESTDB]
GO
CREATE ROLE [UR_CDC] AUTHORIZATION [dbo]
GO
```

```
ALTER ROLE [UR_CDC] add member CDCUser;
```

step-5. enable cdc for DB

```
USE [CDC_TESTDB]
```

```
GO
```

```
EXEC sys.sp_cdc_enable_db
```

```
GO
```

step-6. grand permissions to cdc role

```
GRANT SELECT, INSERT, UPDATE, DELETE ON SCHEMA::cdc TO UR_CDC;
```

step-7. enable cdc for single table

```
USE [CDC_TESTDB]
```

```
GO
```

```
EXEC sys.sp_cdc_enable_table
```

```
@source_schema = N'dbo',
```

```
@source_name = N'Users_dba',
```

```
@role_name = N'UR_CDC',
```

```
@filegroup_name = N'CDC_FG',
```

```
@supports_net_changes = 0
```

```
GO
```

step-8. modify retention if required, default retention 3days/4320 minutes -- unit in MIN select retention,* from msdb.dbo.cdc_jobs where job_type='cleanup'

```
EXECUTE sys.sp_cdc_change_job @job_type = N'cleanup', @retention = 'required value  
in minutes'; OR
```

```
--UPDATE msdb.dbo.cdc_jobs SET retention = '666000' WHERE job_type = 'cleanup'
```

--- bulk enable cdc for tables

```
DECLARE @tbl_name VARCHAR(255)
```

```
DECLARE @is_enable BIT
```

```
DECLARE @db_name VARCHAR(255)='CDC_TESTDB'
```

```
DECLARE @role_name VARCHAR(255)='UR_CDC'
```

```
DECLARE @FG_name VARCHAR(255)='CDC_FG'
```

```
DECLARE @max_scripts VARCHAR(max)=''
```

```
DECLARE db_cursor CURSOR FOR
```

```
SELECT NAME,
```

```
is_tracked_by_cdc
```

```
FROM sys.tables
WHERE NAME IN ( 'tbl_1','tbl_2','tbl_3' )
```

```
OPEN db_cursor
FETCH next FROM db_cursor INTO @tbl_name, @is_enable
```

```
WHILE @@FETCH_STATUS = 0
```

```
BEGIN
```

```
--print 'CDC enabling...';
```

```
IF @is_enable = 1
```

```
BEGIN
```

```
PRINT 'Already Enabled for ' + @tbl_name;
```

```
-- SET @max_scripts='USE ' + @db_name + ';
```

```
-- SET @max_scripts='EXEC sys.sp_cdc_disable_table '
```

```
--         + '@source_schema = N"dbo",'
```

```
--         + '@source_name  = ' + @tbl_name + ','
```

```
--                                + '@capture_instance = dbo_' +
```

```
@tbl_name + ';
```

```
-- PRINT @max_scripts
```

```
--exec (@max_scripts)
```

```
--set @max_scripts=""
```

```
END
```

```
ELSE
```

```
BEGIN
```

```
SET @max_scripts='USE ' + @db_name + ';
```

```
SET @max_scripts = 'EXEC sys.sp_cdc_enable_table '
```

```
        + '@source_schema = N"dbo",'
```

```
        + '@source_name  = ' + @tbl_name + ','
```

```
        + '@role_name    = ' + @role_name + ','
```

```
        + '@filegroup_name = ' + @FG_name + ','
```

```
        + '@supports_net_changes = 0;'
```

```
PRINT @max_scripts
```

```
EXEC (@max_scripts)
```

```
SET @max_scripts=";
```

END

FETCH next FROM db_cursor INTO @tbl_name, @is_enable END

CLOSE db_cursor

DEALLOCATE db_cursor