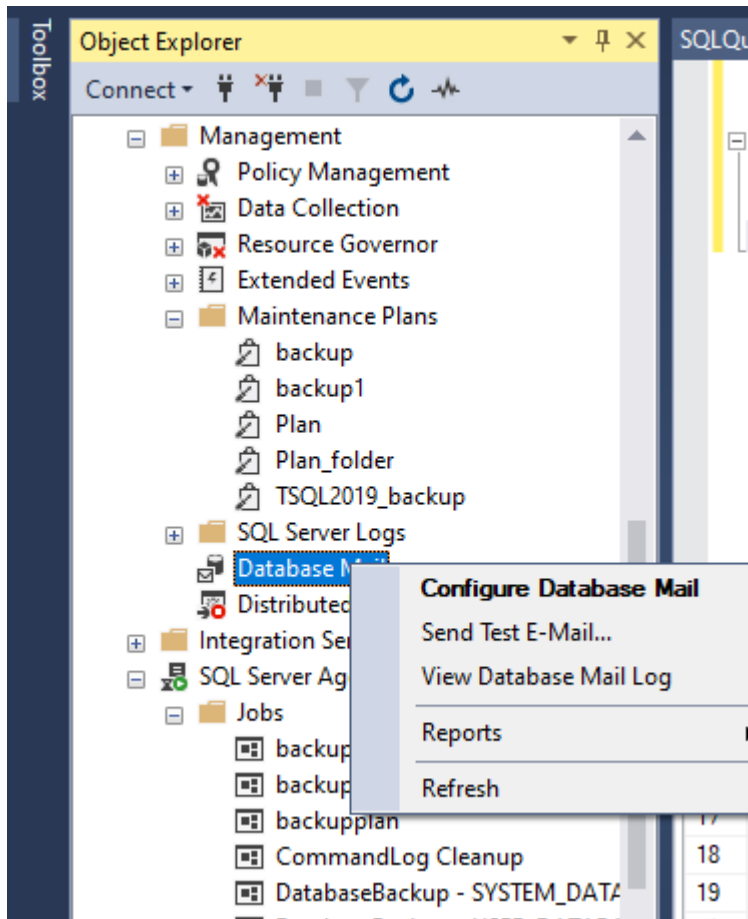


## How to configure Database mail setup in SQL Server.

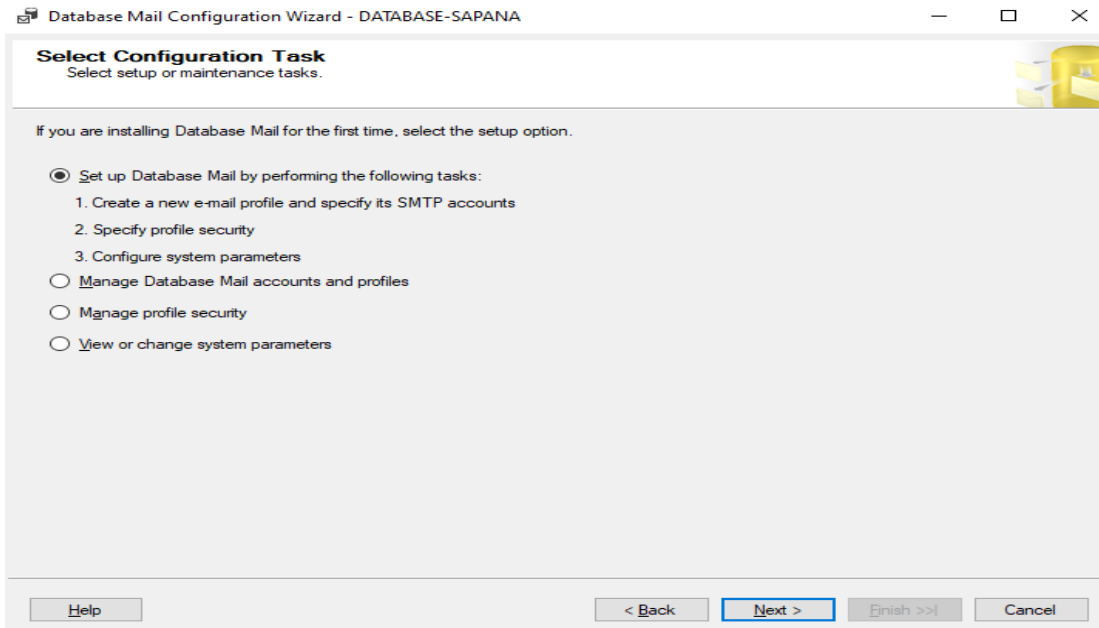
Step 1: Connect SQL Server

Step 2: Once Management is expanded, database mail may be obtained from SQL Server logs

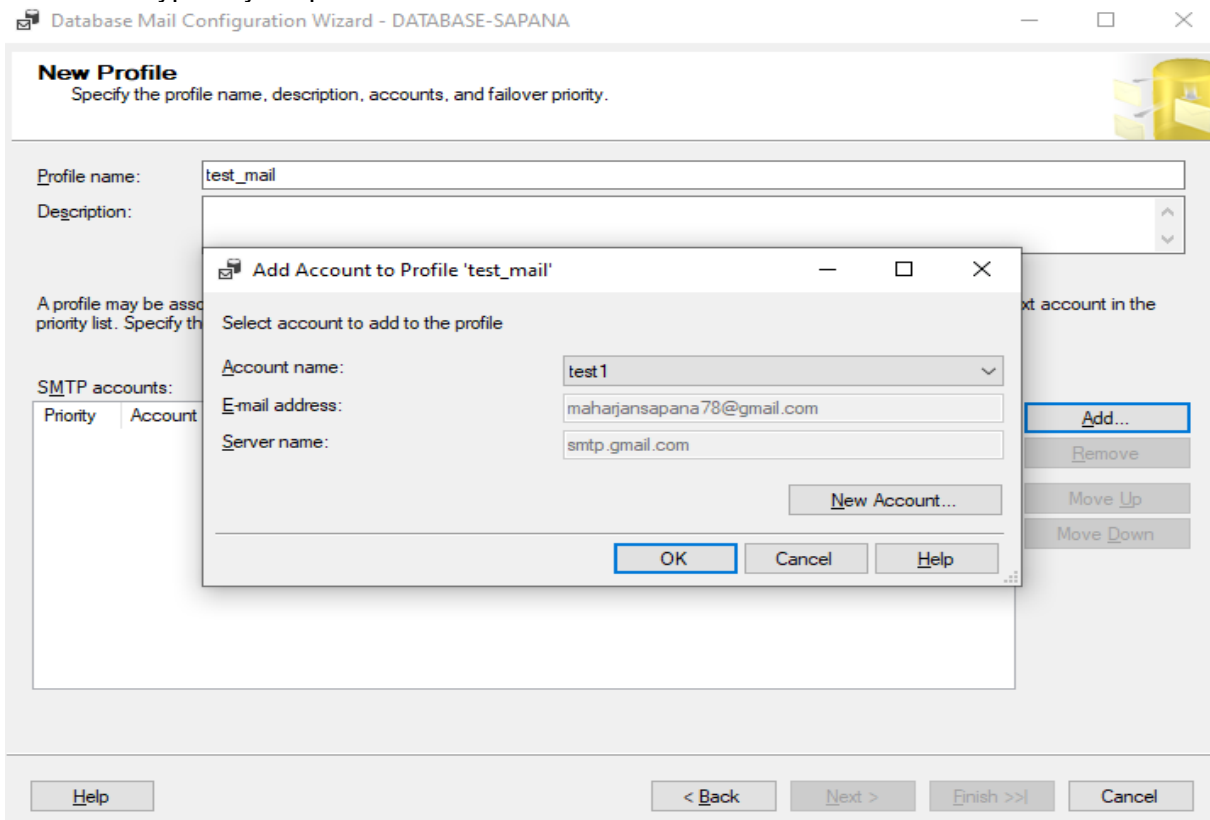
Step 3: Right Click Database Mail then configure database mail



Step 4: From Database Mail Configuration Wizard, Click next to continue then check set up database mail by performing the following tasks.



Step 5: The Add Account to Profile 'test\_mail' window will open up when you click Next to Continue. Type in your profile name there and then click Add.



Step 6: Click on New Account button which will open new database mail account

Specify name, description, and attributes for your SMTP account.

Account name:

Description:

Outgoing Mail Server (SMTP)

E-mail address:

Display name:

Reply e-mail:

Server name:  Port number:

☐ This server requires a secure connection (SSL)

SMTP Authentication

☐ Windows Authentication using Database Engine service credentials

☐ Basic authentication

User name:

Password:

Confirm password:

☒ Anonymous authentication

OK Cancel Help

Step 7: Then fill up all the information required:

Specify name, description, and attributes for your SMTP account.

Account name:

Description:

Outgoing Mail Server (SMTP)

E-mail address:

Display name:

Reply e-mail:

Server name:  Port number:

☒ This server requires a secure connection (SSL)

SMTP Authentication

☐ Windows Authentication using Database Engine service credentials

☒ Basic authentication

User name:

Password:

Confirm password:

☐ Anonymous authentication

OK Cancel Help

Step 8: In accordance with the screenshot above, the server name: smtp.gmail.com port number is 587, SSL must be verified, and for basic authentication, we must create a password using the email address we previously gave.

Step 9: Access your Gmail account, click Manage Your Google Account, then choose Security, 2-Step Verification, and App Passwords.

Step 10: The pop-up message containing the password will be created after logging into your email address, selecting Mail from the Select App drop-down menu and Windows Computer from the Select Device drop-down menu.

Select the app and device you want to generate the app password for.

Mail ▼ Windows Computer ▼

**GENERATE**

### Generated app password

Add your Google account

Enter the information below to connect to your Google account.

Email address  
securesally@gmail.com

Password  
••••••••

☐ Include your Google contacts and calendars

Your app password for Windows Computer

**rbdj ogza rjhy uzfh**

#### How to use it

1. Open the "Mail" app.
2. Open the "Settings" menu.
3. Select "Accounts" and then select your Google Account.
4. Replace your password with the 16-character password shown above.

Just like your normal password, this app password grants complete access to your Google Account. You won't need to remember it, so don't write it down or share it with anyone.

[Learn more](#)

**DONE**

Step 11: After that, copy the password and put it in the basic authentication password field.

New Database Mail Account

Specify name, description, and attributes for your SMTP account.

Account name: test\_mail

Description:

Outgoing Mail Server (SMTP)

E-mail address: maharjansapana78@gmail.com

Display name: maharjansapana78@gmail.com

Reply e-mail: maharjansapana78@gmail.com

Server name: smtp.gmail.com Port number: 587

☐ This server requires a secure connection (SSL)

SMTP Authentication

☐ Windows Authentication using Database Engine service credentials

☒ Basic authentication

User name: maharjansapana78@gmail.com

Password: \*\*\*\*\*

Confirm password: \*\*\*\*\*

☐ Anonymous authentication

OK Cancel Help

Step 12: Then click ok and again click next to continue

Database Mail Configuration Wizard - DATABASE-SAPANA

**Manage Profile Security**  
Specify database users or roles that have access to profiles.

Public Profiles Private Profiles

A public profile can be accessed by all users of any mail-host database.

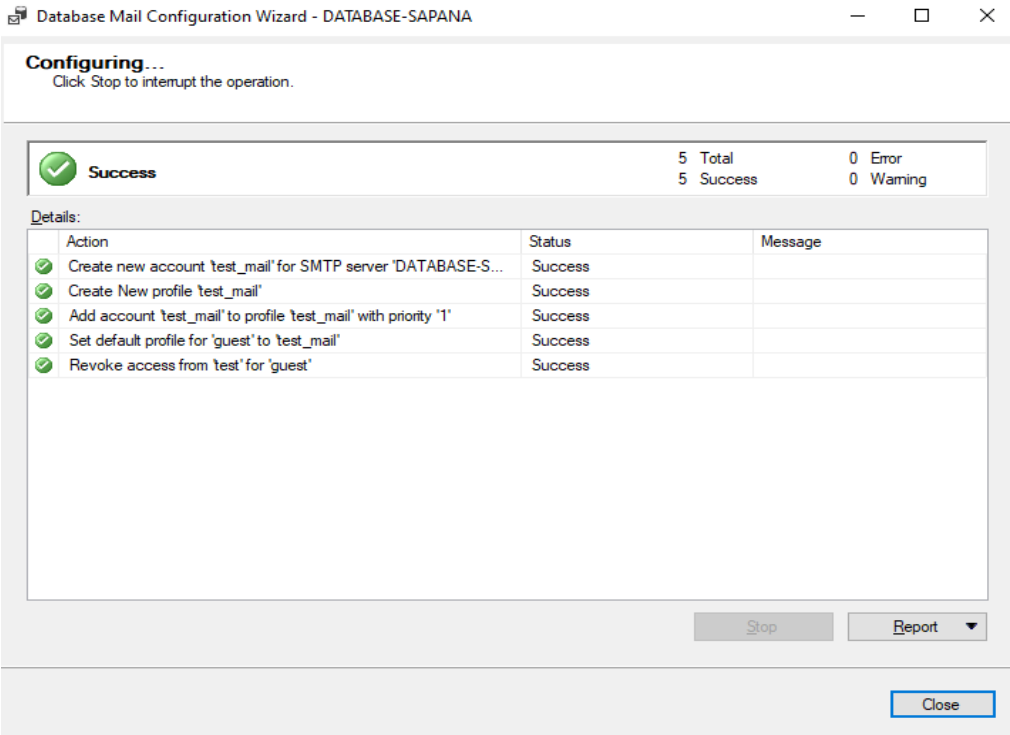
Select public profiles. You can also specify the default public profile.

Public	Profile Name	Default Profile
<input type="checkbox"/>	test	No
<input checked="" type="checkbox"/>	test_mail	Yes

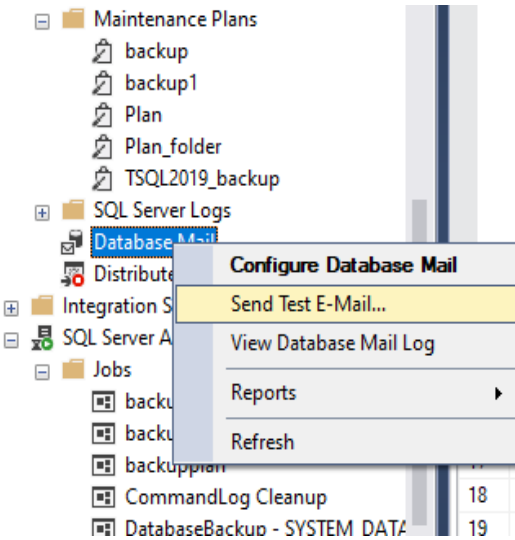
☐ Show only existing public profiles

Help < Back Next > Finish >> Cancel

Step 13: Click next -> next -> Finish after selecting Yes from the Default Profile selection box and checking the Public box for test\_mail. Then, success will be evident.



Step 14: Click to Send test E-Mail



Send Test E-Mail from DATABASE-SAPANA

Database Mail Profile: test

To: maharjansapana78@gmail.com

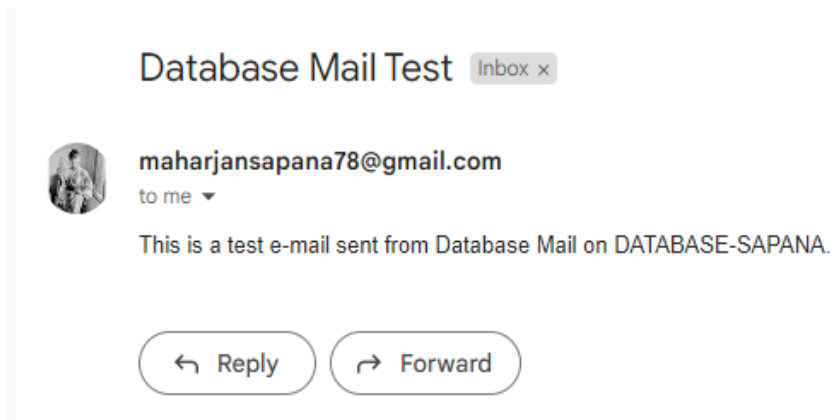
Subject: Database Mail Test

Body: This is a test e-mail sent from Database Mail on DATABASE-SAPANA.

Send Test E-Mail

Close

Step 15: Click Send Test E-Mail, then click ok to continue. Then check mail



Only one Database Mail could be there, more than one database mail is configured then following issues can be shown as:

Log File Viewer - DATABASE-SAPANA

Select logs

- ☐ Maintenance Plans
- ☐ Remote Maintenance Plans
- ☐ Job History
- ☐ SQL Server
- ☐ SQL Server Agent
- ☒ Database Mail
  - ☒ Database Mail Log
- ☐ Windows NT

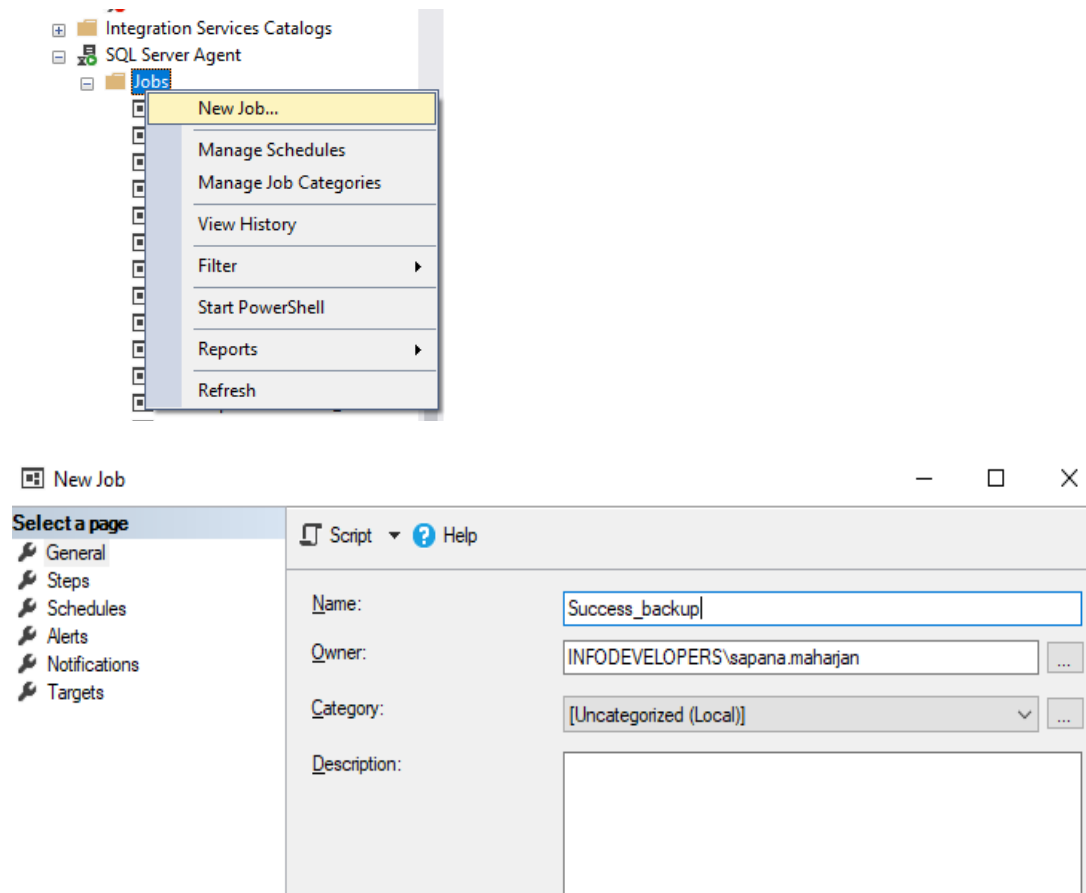
Log file summary: No filter applied

Date	Log ID	Message
5/28/2023 5:00:38 PM	43	The mail could not be sent to the recipients because
5/28/2023 4:59:34 PM	42	The mail could not be sent to the recipients because
5/28/2023 4:55:23 PM	41	The mail could not be sent to the recipients because
5/28/2023 4:54:21 PM	40	The mail could not be sent to the recipients because
5/28/2023 4:54:21 PM	39	The mail could not be sent to the recipients because
5/28/2023 4:53:19 PM	38	The mail could not be sent to the recipients because

# Taking Success\_backup and Failed\_backup from SQL Server Agent (Jobs)

## Success\_backup

Step 1: Select Jobs and create new Job





Step 2: Steps => new

**New Job Step**

Select a page

- General
- Advanced

Script Help

Step name: Success

Type: Transact-SQL script (T-SQL)

Run as:

Database: AP

Command:

```
backup database AP to disk = 'C:\log file\test_mail\AP.bak'
```

Open... Select All Copy Paste Parse

Next Previous

OK Cancel

**Connection**

Server: DATABASE-SAPANA

Connection: INFODEVELOPERS\sapana.mah...

[View connection properties](#)

**Progress**

Ready

Click ok to confirm.

### Step 3: Schedules => New

**New Job Schedule**

Name:  Jobs in Schedule

Schedule type:  ☒ Enabled

One-time occurrence

Date:  Time:

*The one-time occurrence date and time must be greater than the current date and time.*

Frequency

Occurs:

Recurs every:  week(s) on

☐ Monday ☐ Wednesday ☐ Friday ☐ Saturday  
☐ Tuesday ☐ Thursday ☒ Sunday

Daily frequency

☒ Occurs once at:

☐ Occurs every:  hour(s) Starting at:  Ending at:

Duration

Start date:  ☐ End date:  ☒ No end date:

Summary

Description:

Click ok to confirm.

### Step 4: Then in Notifications

**New Job**

Select a page

- General
- Steps
- Schedules
- Alerts
- Notifications**
- Targets

Script

Actions to perform when the job completes:

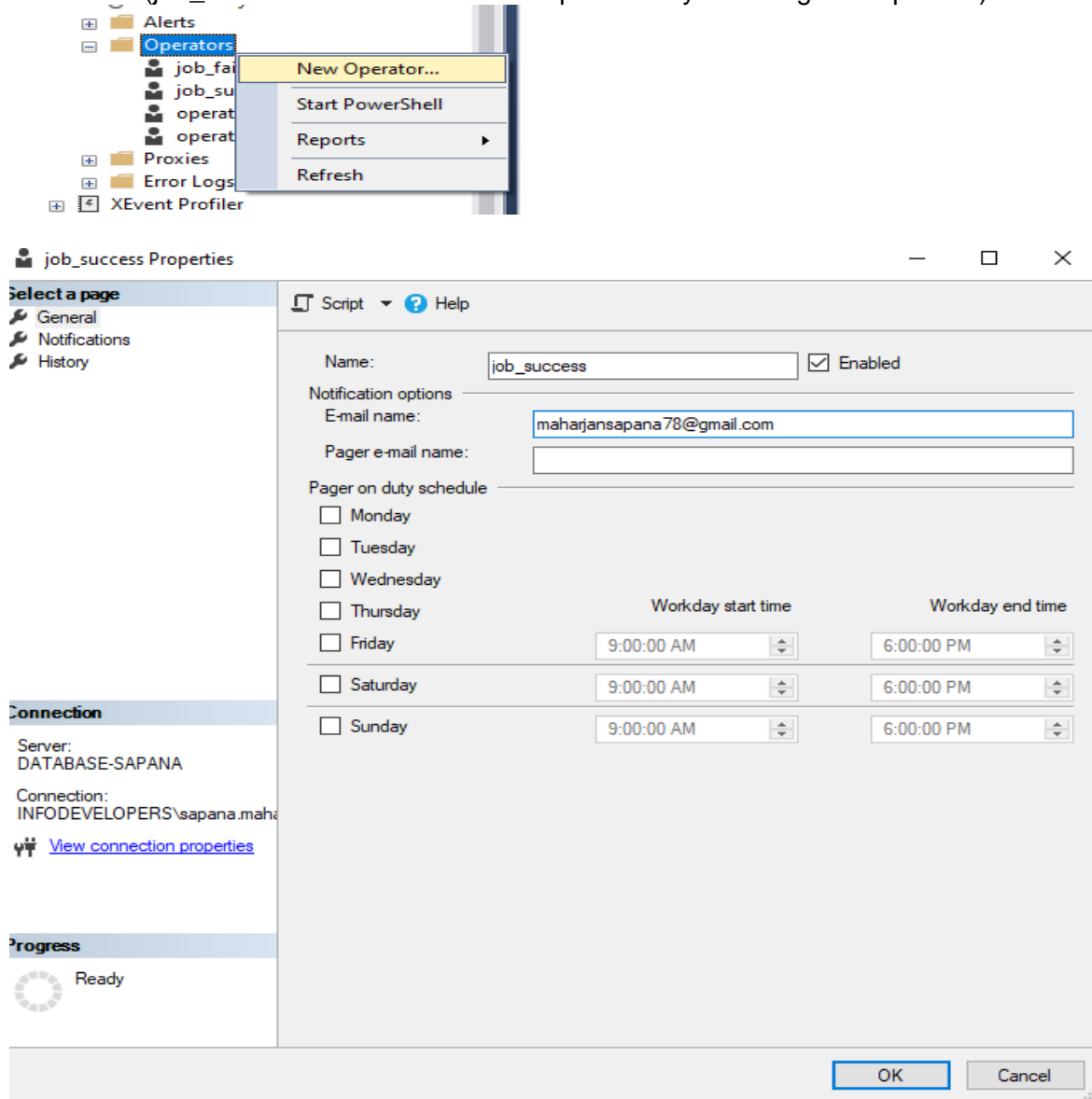
☒ E-mail:

☐ Page:

☐ Write to the Windows Application event log:

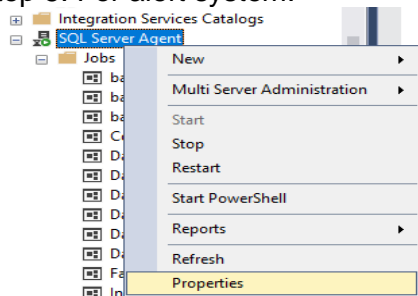
☐ Automatically delete job:

For E-mail (job\_success must be created in operators by selecting new operator)



Then click ok to continue. It will create job\_success as a new operator.

Step 5: For alert system:



SQL Server Agent Properties - DATABASE-SAPANA

Select a page

- General
- Advanced
- Alert System**
- Job System
- Connection
- History

Script Help

Mail session

☒ Enable mail profile

Mail system: Database Mail

Mail profile: test\_mail Test...

☒ Save copies of the sent messages in the Sent Items folder

Pager e-mails

Address formatting for pager e-mails:

Prefix: Pager: Suffix:

To line:  ☐

Cc line:  ☐

Subject:

To:

Cc:

☒ Include body of e-mail in notification message

Fail-safe operator

☐ Enable fail-safe operator

Operator: job\_fail

Notify using: ☐ E-mail ☐ Pager

Token replacement

☐ Replace tokens for all job responses to alerts

OK Cancel

Enable mail profile then we select mail system as Database Mail and mail profile as test\_mail which was recently made above under SQL Server Logs => Database Mail.  
For viewing test\_mail, double click on Database Mail.

Database Mail Configuration Wizard - DATABASE-SAPANA

**Select Configuration Task**  
Select setup or maintenance tasks.

If you are installing Database Mail for the first time, select the setup option.

☐ Set up Database Mail by performing the following tasks:

1. Create a new e-mail profile and specify its SMTP accounts
2. Specify profile security
3. Configure system parameters

☒ Manage Database Mail accounts and profiles

☐ Manage profile security

☐ View or change system parameters

Next

**Manage Profiles and Accounts**

Specify the task to perform.

Select a management Task:

- ☐ Create a new account
- ☒ View, change, or delete an existing account
- ☐ Create a new profile
- ☐ View, change, or delete an existing profile. You can also manage accounts associated with the profile

Next

**Manage Existing Account**

Choose the account to view, change, or delete.

Account name:

Description:

Outgoing mail server (SMTP)

E-mail address:

Display name:

Reply e-mail:

Server name:  Port number:

☒ This server requires a secure connection (SSL)

SMTP Authentication

☐ Windows Authentication using Database Engine service credentials

☒ Basic authentication

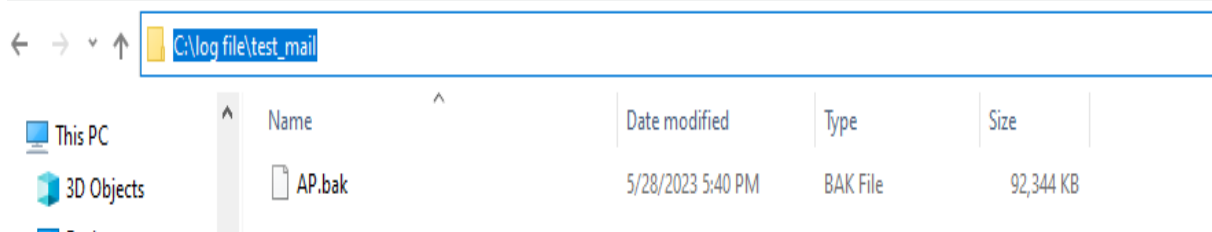
User name:

Password:

Confirm password:

☐ Anonymous authentication

According to step 2, the backup file is saved to path 'C:\log file\test\_mail\AP.bak'.



According to step 3, the schedule time was on 5:40:00 PM and the job succeeded on same time which shows the success\_backup of AP database.

[The job succeeded.] SQL Server Job System: 'Success\_backup' completed on \\DATABASE-SAPANA. Inbox x



**maharjansapana78@gmail.com** <maharjansapana78@gmail.com>  
to me ▾

5:40 PM (3 minutes ago)

JOB RUN: 'Success\_backup' was run on 5/28/2023 at 5:40:00 PM

DURATION: 0 hours, 0 minutes, 1 seconds

STATUS: Succeeded

MESSAGES: The job succeeded. The Job was invoked by Schedule 33 (scheduleOn). The last step to run was step 1 (Success).

↩ Reply

➦ Forward

## Failed\_backup

Same process repeats as in Success\_backup

Step 1:

New Job — □ ×

Select a page

- General
- Steps
- Schedules
- Alerts
- Notifications
- Targets

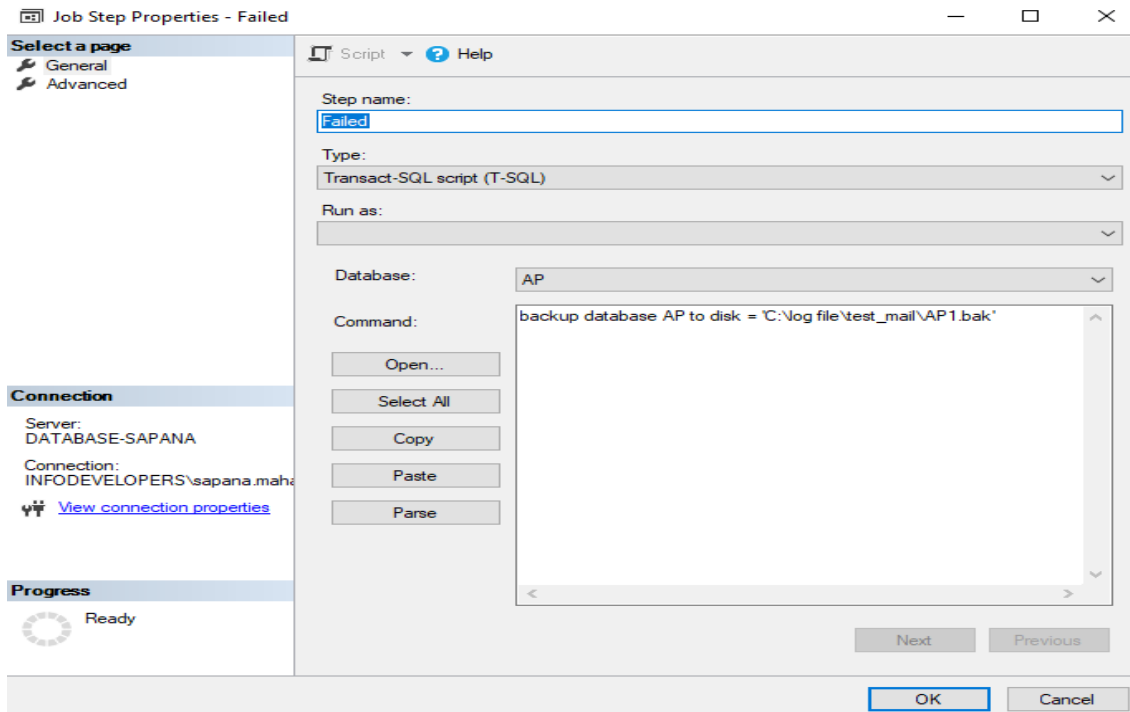
Script ? Help

Name:

Owner:  ...

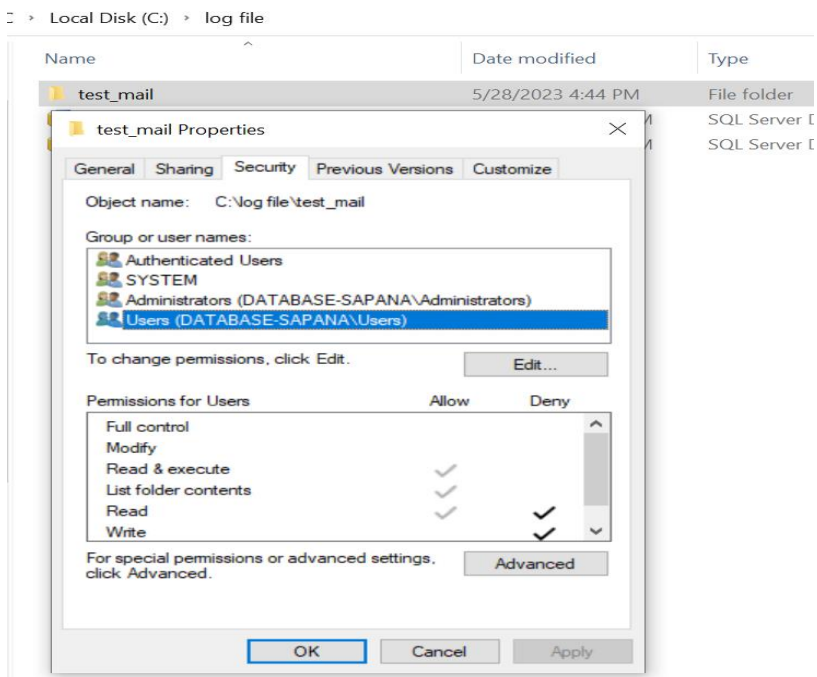
Category:  ...

Description:

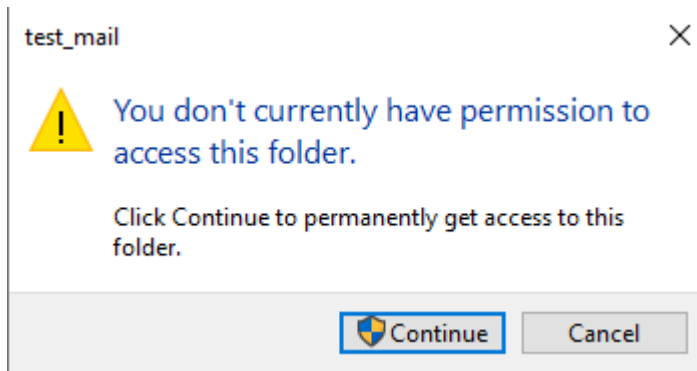


Click ok to continue

Before scheduling time, under 'C:\log file\test\_mail' right click test\_mail then under security => Users edit do not allow full control and modify. Also deny read and write permission. Then click ok to continue.



After deny read and write access to test\_mail, it cannot be open



## Step 2: Schedule on 10:35:00 AM

Job Schedule Properties - scheduleOn

Name:  Jobs in Schedule

Schedule type: One time ☐ Enabled

One-time occurrence

Date: 5/29/2023 Time: 10:35:00 AM

The one-time occurrence date and time must be greater than the current date and time.

Frequency

Occurs: Daily

Recurs every: 1 day(s)

Daily frequency

☒ Occurs once at: 10:36:56 AM

☐ Occurs every: 1 hour(s) Starting at: 10:36:56 AM Ending at: 10:36:56 AM

Duration

Start date: 5/29/2023 ☐ End date: 5/29/2023 ☒ No end date:

Summary

Description: Occurs on 5/29/2023 at 10:35:00 AM.

OK Cancel Help

Click ok to continue

Step 3: In notification Email => job\_fail . For this set next operator as job\_fails.





SQL Server Agent Properties - DATABASE-SAPANA

Select a page

- General
- Advanced
- Alert System**
- Job System
- Connection
- History

Script Help

Mail session

☒ Enable mail profile

Mail system: Database Mail

Mail profile: test\_mail Test...

☒ Save copies of the sent messages in the Sent Items folder

Pager e-mails

Address formatting for pager e-mails:

Prefix: Pager: Suffix:

To line:  ☐

Cc line:  ☐

Subject:

To:

Cc:

☒ Include body of e-mail in notification message

Fail-safe operator

☐ Enable fail-safe operator

Operator: job\_fail

Notify using: ☐ E-mail ☐ Pager

Token replacement

☐ Replace tokens for all job responses to alerts

OK Cancel

Enable mail profile then we select mail system as Database Mail and mail profile as test\_mail which was recently made above under SQL Server Logs => Database Mail. For viewing test\_mail, double click on Database Mail.

Database Mail Configuration Wizard - DATABASE-SAPANA

Select Configuration Task

Select setup or maintenance tasks.

If you are installing Database Mail for the first time, select the setup option.

☐ Set up Database Mail by performing the following tasks:

1. Create a new e-mail profile and specify its SMTP accounts
2. Specify profile security
3. Configure system parameters

☒ Manage Database Mail accounts and profiles

☐ Manage profile security

☐ View or change system parameters

Next

### Manage Profiles and Accounts

Specify the task to perform.

Select a management Task:

- ☐ Create a new account
- ☒ View, change, or delete an existing account
- ☐ Create a new profile
- ☐ View, change, or delete an existing profile. You can also manage accounts associated with the profile

Next

### Manage Existing Account

Choose the account to view, change, or delete.

Account name:	test_mail		Delete
Description:			
Outgoing mail server (SMTP)			
E-mail address:	maharjansapana78@gmail.com		
Display name:	maharjansapana78@gmail.com		
Reply e-mail:	maharjansapana78@gmail.com		
Server name:	smtp.gmail.com	Port number:	587
<input checked="" type="checkbox"/> This server requires a secure connection (SSL)			
SMTP Authentication			
<input type="radio"/> Windows Authentication using Database Engine service credentials			
<input checked="" type="radio"/> Basic authentication			
User name:	maharjansapana78@gmail.com		
Password:	*****		
Confirm password:	*****		
<input type="radio"/> Anonymous authentication			

Help

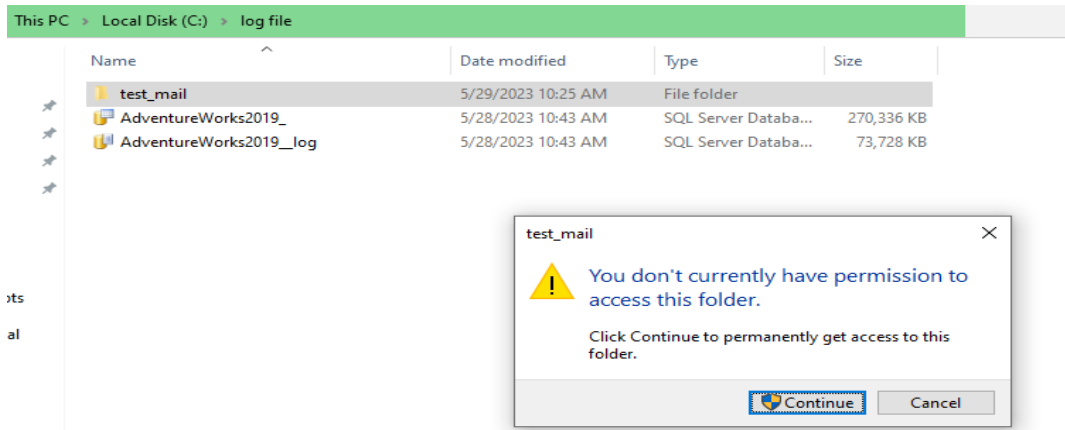
< Back

Next >

Finish >>

Cancel

According to step 1, the backup file is saved to path 'C:\log file\test\_mail\AP1.bak'.



According to step 2, the schedule time was on 10:35:00 AM, and the job failed on same time which shows the failure\_backup of AP database.

[The job failed.] SQL Server Job System: 'Failed\_backup' completed on \\DATABASE-SAPANA. Inbox x



**maharjansapana78@gmail.com** <maharjansapana78@gmail.com>  
to me ▾

10:35 AM (19 minutes ago)

JOB RUN: 'Failed\_backup' was run on 5/29/2023 at 10:35:00 AM  
DURATION: 0 hours, 0 minutes, 1 seconds  
STATUS: Failed  
MESSAGES: The job failed. The Job was invoked by Schedule 1036 (scheduleOn). The last step to run was step 1 (Failed).

↩ Reply

➦ Forward