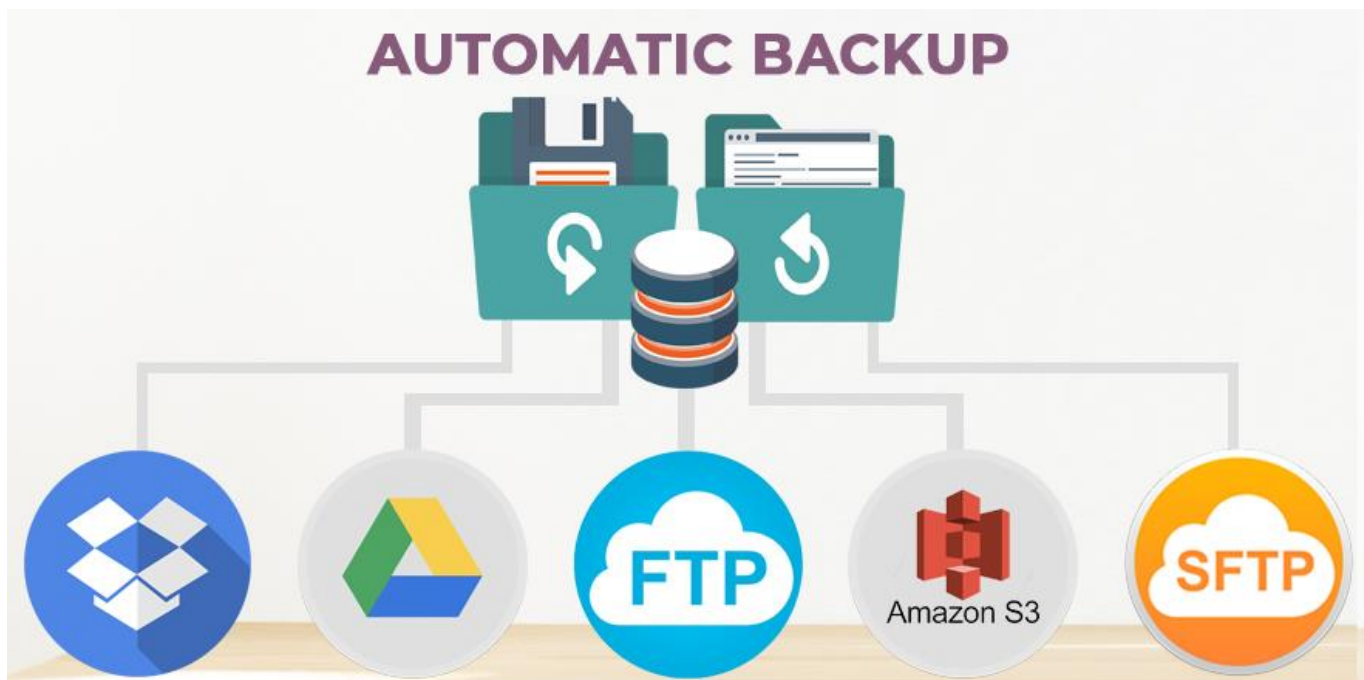


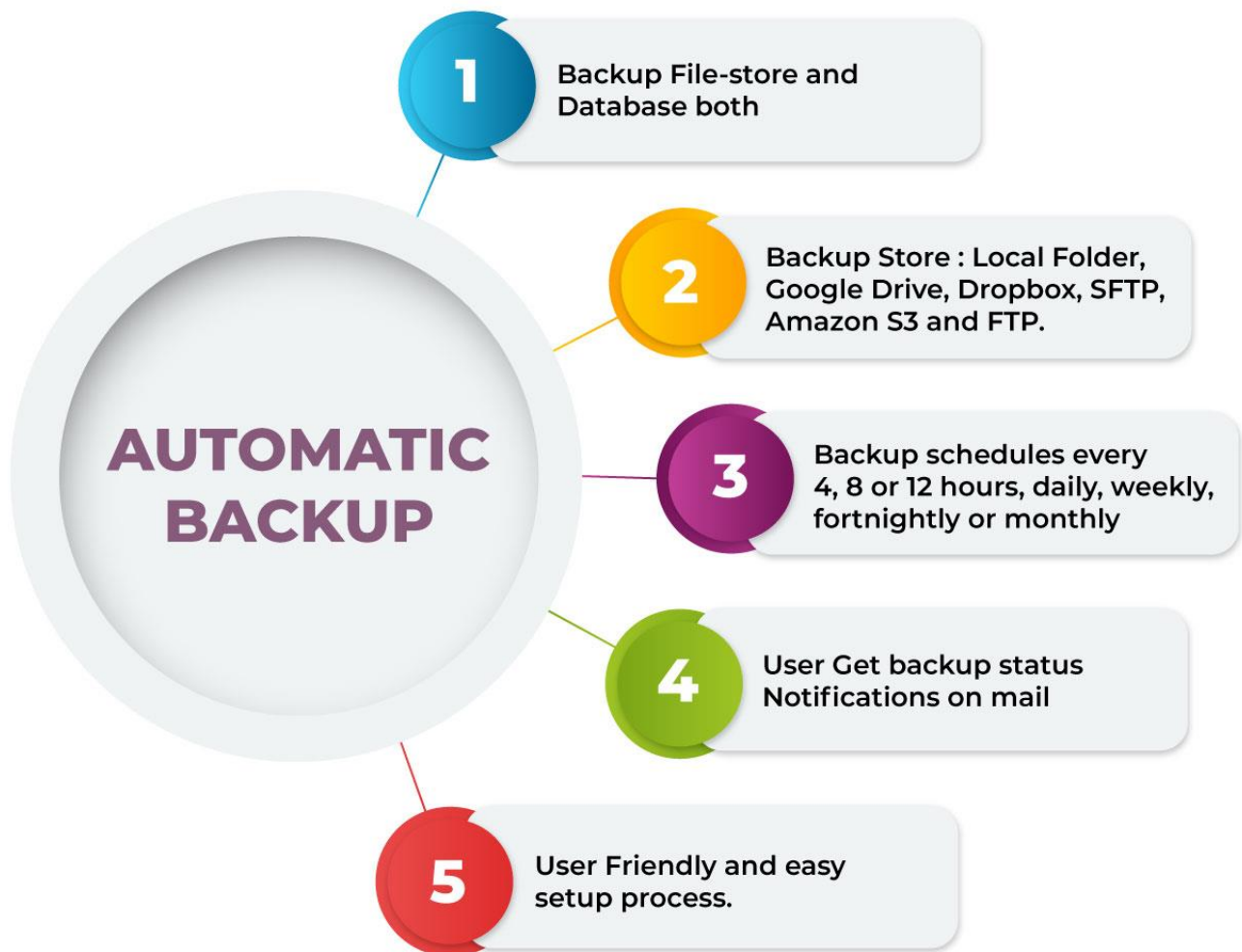
# AUTOMATIC BACKUP

Develop by- Icon TechSoft Pvt. Ltd

Local Server, Google Drive, Dropbox, SFTP, Amazon S3 and FTP



# Features



# Index

1. Database Backup Configuration.....	5
2. Folder (Local).....	7
3. Google drive.....	9
4. Dropbox.....	18
5. FTP.....	21
6. SFTP.....	22
7. Amazon S3.....	23

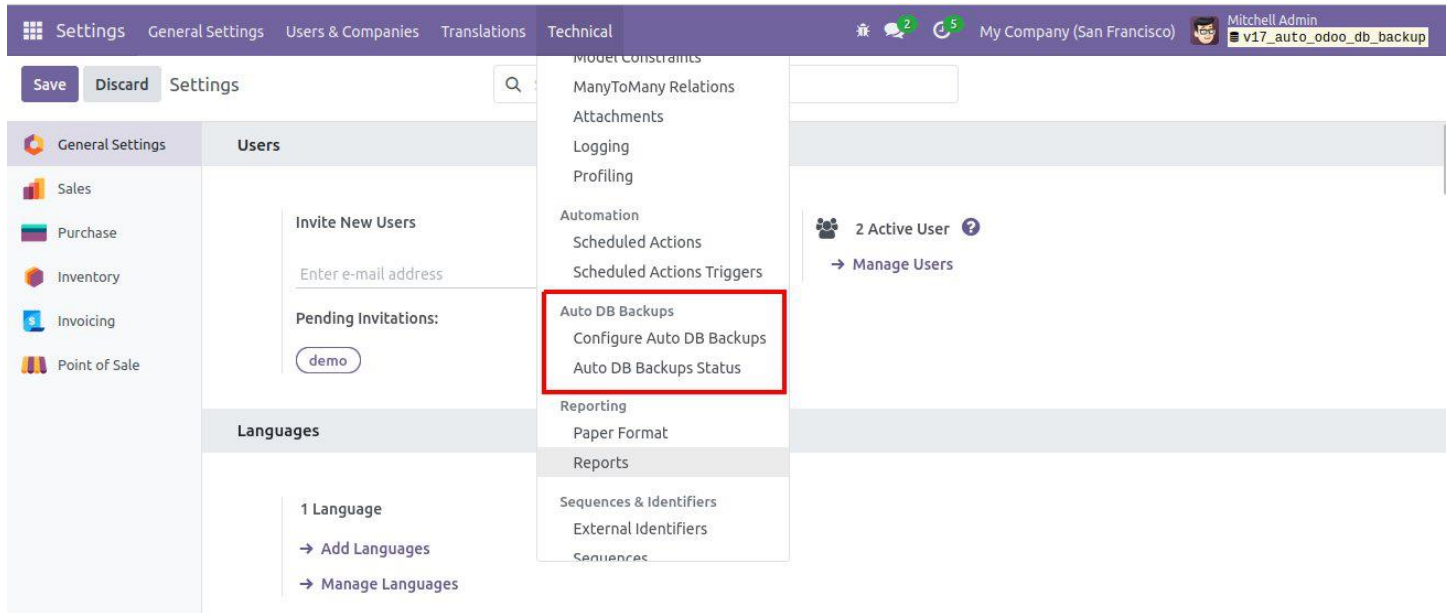
## External Dependency

First install some python dependency modules to work this module properly, for that use below commands:

- ☞ To install dropbox use: `sudo pip install dropbox`
- ☞ To install pysftp use: `sudo pip install pysftp`
- ☞ To install boto3 use: `sudo pip install boto3`
- ☞ To install pydrive use: `sudo pip install pydrive`

## Database Backup Configuration

1. To set configuration for Auto Database Backups, Go to Settings > Technical > Auto DB Backups > Configure Auto DB Backups here you will get one record click on that, you will find here configuration form to set Auto DB backups for upload backups to Folder, Google Drive, Dropbox, FTP, SFTP, AWS s3 as shown in below



### -- Configure Auto DB Backups Form

A screenshot of the 'Configure Auto DB Backups' form in Odoo. The form is titled 'Auto db backups' and includes fields for 'Filename', 'Successful Backup Notification Email' (nathan.freeman9401@gmail.com), and 'Failed Backup Notification Email'. There is a checkbox for 'Auto. Remove Backups'. Below these fields is a section titled 'Automatic Backup Rules' containing a table with backup configurations. The table has columns for 'Active', 'Backup Type', 'Backup Destination', 'Next Execution Date', and a 'Backup' button. The table lists six backup rules with destinations like Folder, Google Drive, Dropbox, FTP, SFTP, and AWS S3.

Active	Backup Type	Backup Destination	Next Execution Date	Backup
<input type="checkbox"/>	Zip	Folder	11/27/2023 18:29:33	Backup
<input type="checkbox"/>	Zip	Google Drive	11/28/2023 13:25:25	Backup
<input type="checkbox"/>	Zip	Dropbox	11/28/2023 12:08:25	Backup
<input type="checkbox"/>	Zip	FTP	11/27/2023 12:08:25	Backup
<input type="checkbox"/>	Zip	SFTP	11/28/2023 12:08:25	Backup
<input type="checkbox"/>	Zip	AWS S3	11/28/2023 17:44:22	Backup

You can use all or any one you wish to set for database backups destination, where you want to put DB backups from given five backup destination, backup to Folder or Google Drive or Dropbox or FTP or SFTP or Amazon S3 as per your choice by making active field True .

## Folder (Local)

2. To set database backup to Folder (Local), click on edit than click on automatic backups rule where backup destination is Folder. You will have form to configure DB backup to Folder as below:

The screenshot shows the 'Open: Auto Database Backup Rules' dialog box. The background shows the 'Configure Auto DB Backups' page with a table of backup rules. The dialog box contains the following fields:

- Backup Type:** Zip
- Backup Destination:** Folder
- Backup:** Database Only
- Backup Directory:** /home/icon-20/PycharmProjects/odoo17/my\_addons Backups
- Active:** ☐
- Interval Number:** 3
- Interval Unit:** Minutes
- Next Execution Date:** 11/27/2023 18:29:33

Buttons: Save, Discard

### Fields to set:

**Backup Type:** Select which backup type you want to take for database it's as a zip (with file store) or .dump (only database).

**Backup Destination:** Folder

**Backup:** Select backup for what you want to take as a backup it's Database Only or Database and Files (database with modules folder).

**Files Path:** If you are taking backup with database and files than mention path of modules which you want to take backup for, along with database.

**Backup Directory:** Select path and set folder name in field beside this field in which db backup will be put.

**Active:** If you want to set your database backup destination to Folder than make active field checked. If you don't want to take DB backup to Folder than make it Active by making active field unchecked.

**Interval Number:** Set number of days/months/weeks/hours/minutes for which you want to take your database backup.

**Interval Unit:** Set unit for which you want to take your database backup every days/months/weeks/hours/minutes.

**Next Execution date:** If you want to set manually the date when to take DB backup to take next than you can set it here.

**Button > Backup:** You can take backup directly using this Backup button if you want to. After configure all fields click on save and again save main form.



## Google Drive

3. To set database backup to Google Drive, click on edit than click on automatic backup's rule where backup destination is Google Drive. You will have form to configure DB backup to Google Drive as below:

**Open: Auto Database Backup Rules**

**Backup**

Backup Type: Zip

Backup Destination: Google Drive

Backup: Database Only

Get credentials file for Google Drive Upload  
(Note: After getting credentials file save it in path: auto\_odoo\_db\_and\_file\_backup/models)

→ Get Credentials **Authenticate**

Active: ☐

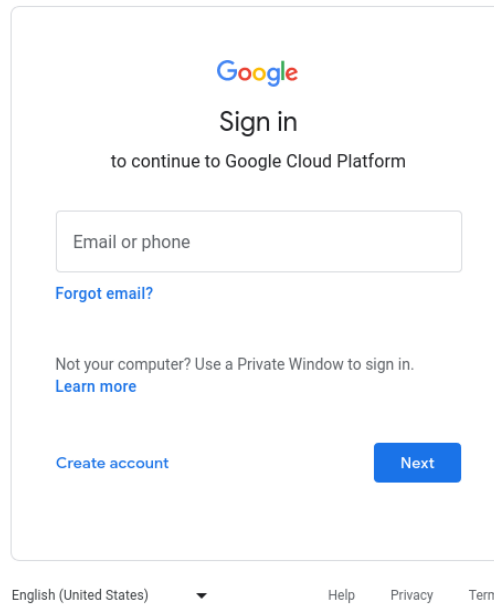
Interval Number: 5

Interval Unit: Minutes

Next Execution Date: 11/28/2023 13:25:25

**Save** **Discard**

- Click on Get Credentials link to create oauth file for Google Drive Upload
- You will be redirected to new page to create credential file so follow below steps
- 1. If you are not logged in to any account then you have below pages
  - When you are not logged-in in any account before from your browser or you are using private browsing



Google

## Sign in

to continue to Google Cloud Platform

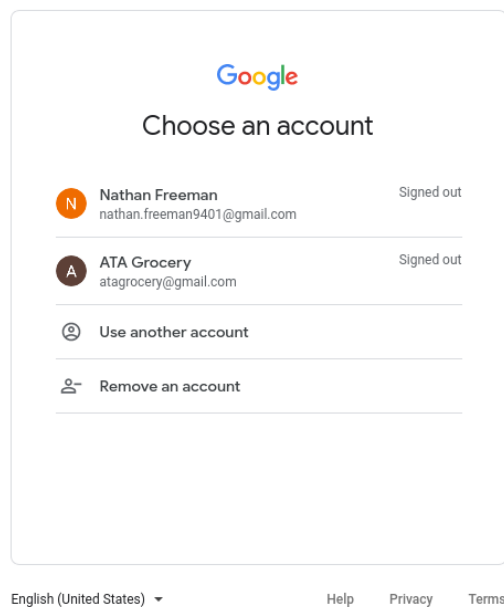
[Forgot email?](#)

Not your computer? Use a Private Window to sign in.  
[Learn more](#)

[Create account](#) [Next](#)

English (United States) ▼ Help Privacy Terms

- Choose account (in which you want to upload files) from when you are logged-in in any account before from your browser



Google

## Choose an account

N

**Nathan Freeman**  
nathan.freeman9401@gmail.com

Signed out

A

**ATA Grocery**  
atagrocery@gmail.com

Signed out

?

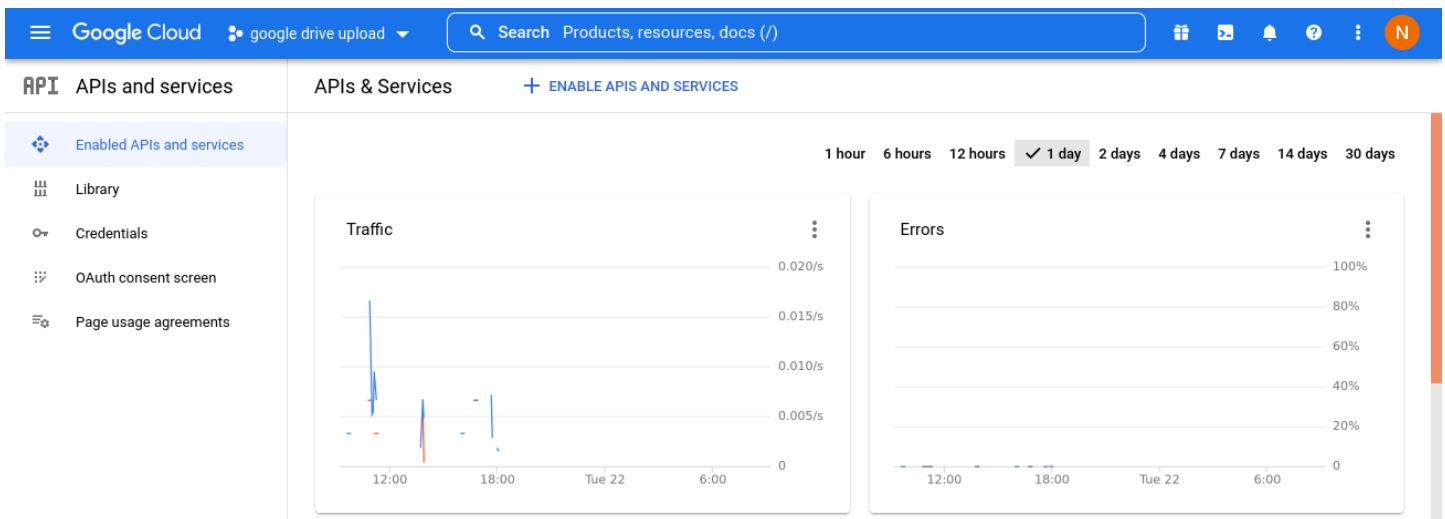
Use another account

+

Remove an account

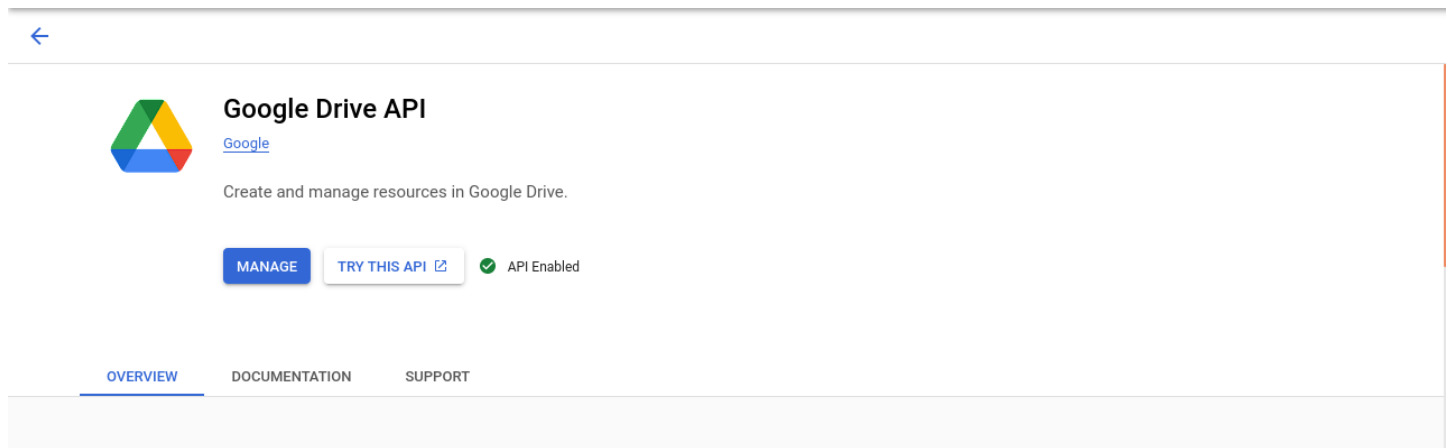
English (United States) ▼ Help Privacy Terms

- After login to google account, you have below page to create credentials
- click on **ENABLE APIS AND SERVICES** as shown in below image

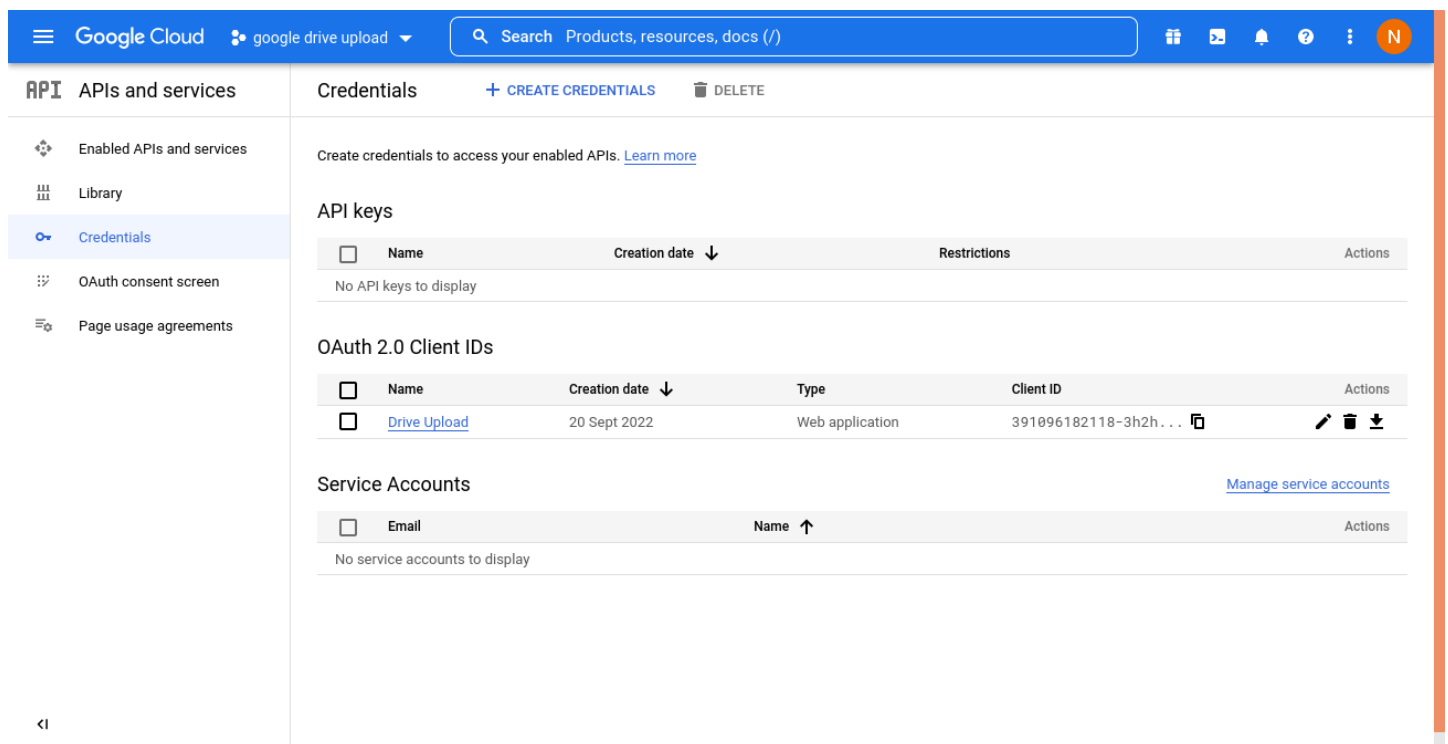


- Here search for Google Drive API to enable that as shown in below image

- Select Google Drive API, you have below page



- Here, if this api is not enabled then first enable it
- Now open URL --> <https://console.cloud.google.com/apis/credentials> to create credentials file for which is later on used for Google Drive Upload



- Click on CREATE CREDENTIALS as shown in above image

**API** APIs and services

- Enabled APIs and services
- Library
- Credentials**
- OAuth consent screen
- Page usage agreements

**Credentials**
[+ CREATE CREDENTIALS](#)
DELETE

Create credentials to access your project

**API keys**

☐ Name

No API keys to display

**OAuth 2.0 Client IDs**

<input type="checkbox"/> Name	Creation date ↓	Type	Client ID	Actions
<a href="#">Drive Upload</a>	20 Sept 2022	Web application	391096182118-3h2h...	

**Service Accounts**

☐ Email

No service accounts to display

**API key**  
Identifies your project using a simple API key to check quota and access

**OAuth client ID**  
Requests user consent so that your app can access the user's data.

**Service account**  
Enables server-to-server, app-level authentication using robot accounts

**Help me choose**  
Asks a few questions to help you decide which type of credential to use

- Here, click on Oauth client ID

The screenshot shows the 'Create OAuth client ID' form with the following elements and annotations:

- Application type \***: A dropdown menu with 'Web application' selected. An annotation 'Select Web Application here' with a blue arrow points to the dropdown.
- Name \***: A text input field containing 'Odoo BBackup Files'. An annotation 'Add name for this credentials' with a blue arrow points to the input field.
- Information box**: A grey box with an information icon and text: 'The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorised domains](#).'
- Authorised JavaScript origins**: A section with a help icon and the text 'For use with requests from a browser'. It contains a '+ ADD URI' button. An annotation 'Add redirection url as below if you are working in localhost If you are working on server add url as below: http://domain\_name.com/ or https://domain\_name.com/' with a blue arrow points to this section.
- Authorised redirect URIs**: A section with a help icon and the text 'For use with requests from a web server'. It contains a text input field with 'http://localhost:8080/' and a '+ ADD URI' button. A blue arrow points from the annotation above to this section.
- Note**: A text note stating 'Note: It may take five minutes to a few hours for settings to take effect'.
- Buttons**: At the bottom, there are 'CREATE' and 'CANCEL' buttons. An annotation 'Click on Create button to create this credentials' with a blue arrow points to the 'CREATE' button.

After all configuration set click on CREATE button to create client\_secrets.json file  
You can download it from credentials as shown in below image

Create credentials to access your enabled APIs. [Learn more](#)

## API keys

<input type="checkbox"/>	Name	Creation date ↓	Restrictions	Actions
No API keys to display				

## OAuth 2.0 Client IDs

<input type="checkbox"/>	Name	Creation date ↓	Type	Client ID	Actions
<input type="checkbox"/>	<a href="#">Odoo Backup Files</a>	22 Nov 2022	Web application	391096182118-fpcs...	
<input type="checkbox"/>	<a href="#">Odoo Backups</a>	22 Nov 2022	Web application	391096182118-0d92...	
<input type="checkbox"/>	<a href="#">Drive Upload</a>	20 Sept 2022	Web application	391096182118-3h2h...	

## Service Accounts

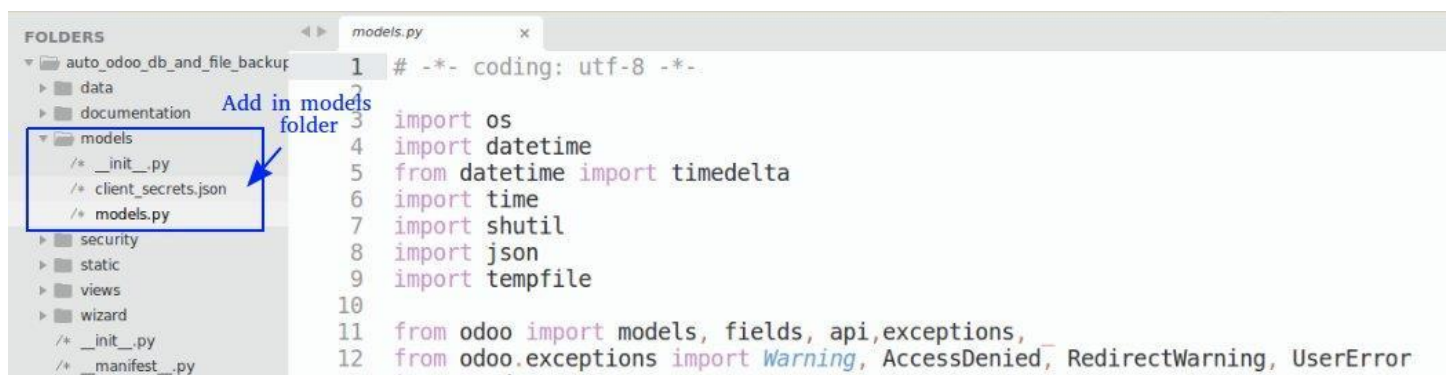
[Manage service accounts](#)

<input type="checkbox"/>	Email	Name ↑	Actions
No service accounts to display			

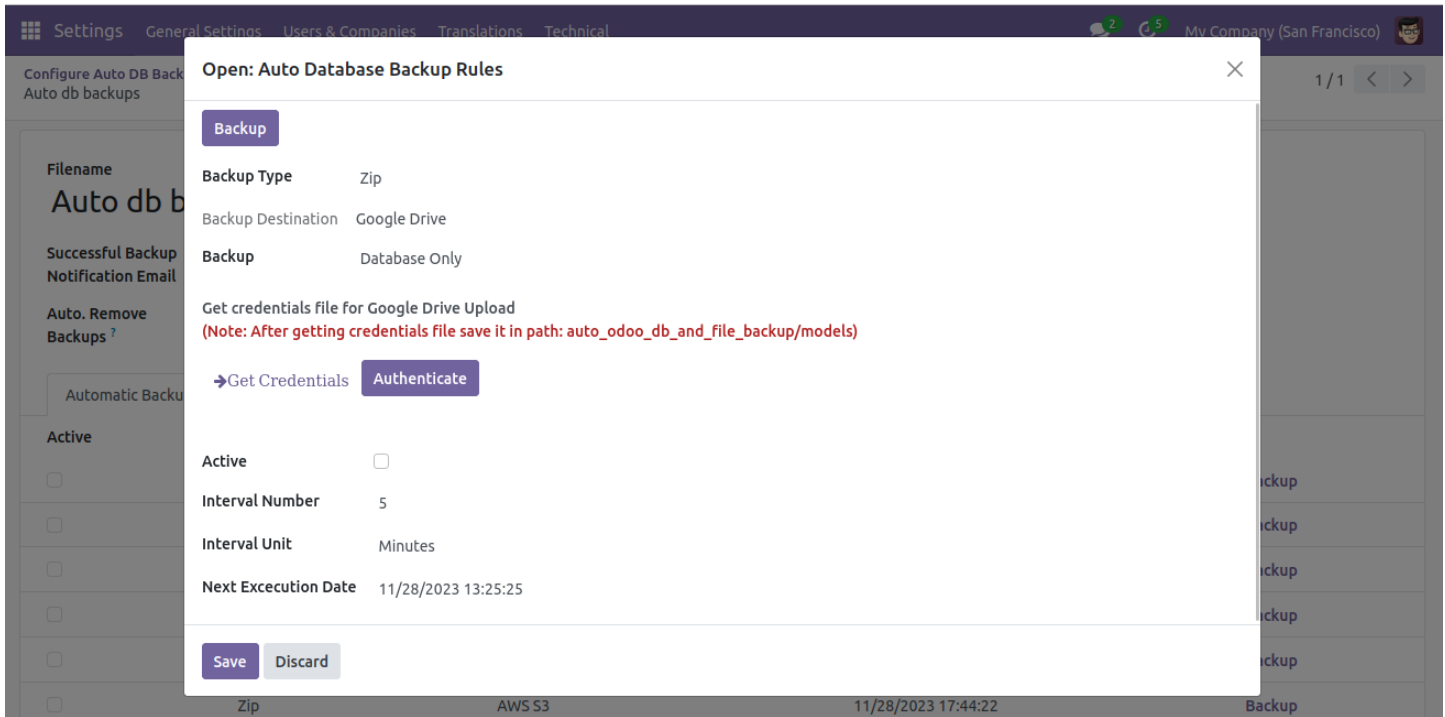
Please don't skip below step

After downloading file rename that file as client\_secrets.json and add this file in module path auto\_odoo\_db\_and\_file\_backup/models

As shown in below image

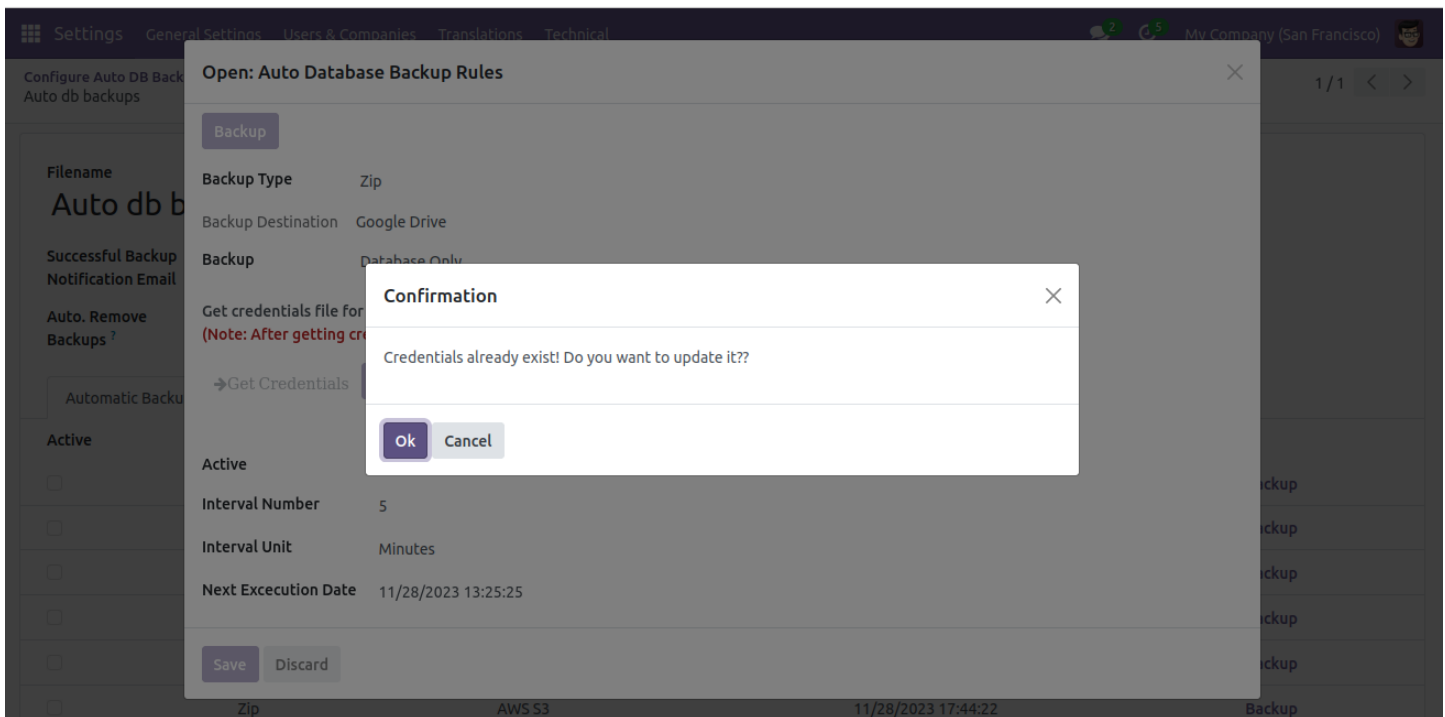


Now after adding this file to module, one time authorize that file from Odoo as shown in below image



After this you are able to get backup in Google Drive

- If you already have client\_secrets.json in module and you want to update it then when you are going to Get Credential, you have confirmation popup as shown in below image:





Click on Ok button to continue process otherwise click on Cancel button  
All other fields are same as described in point 2.  
After configure all fields click on save and again save main form.

## Dropbox

4. To set database backup to Dropbox, click on edit then click on automatic backup's rule where backup destination is Dropbox. You will have form to configure DB backup to Dropbox as below:

Settings General Settings Users & Companies Translations Technical My Company (San Francisco)

Configure Auto DB Backups Auto db backups

Filename Auto db backups

Successful Backup nathan.freeman940

Notification Email

Auto. Remove Backups ? ☐

Automatic Backup Rules

Active Backup Type

<input type="checkbox"/>	Zip
<input type="checkbox"/>	Zip
<input type="checkbox"/>	Zip
<input type="checkbox"/>	Zip
<input type="checkbox"/>	Zip
<input type="checkbox"/>	Zip

Open: Auto Database Backup Rules

Backup

Backup Type Zip

Backup Destination Dropbox

Backup Database Only

App key 8awwku5iawquhom

App secret .....

Get an authorization code Get Authorization Code

Authorization Code

Get Refresh token after generating an authorization code Generate Refresh Token

Dropbox Refresh Token

Active ☐

Interval Number 1

Interval Unit Days

Next Execution Date 11/28/2023 12:08:25

Save Discard

### Fields to set:

First to set App key and App secret you need to create one app in your Dropbox so to do that,

[Documentation](#)[Guides](#)[Community & support](#)[App console](#)

### My apps

[Create app](#)**Autobackupodoo**

Status: Development

Permission type: Full Dropbox

**test\_doc**

Status: Development

Permission type: Scoped App

Step 1: Go to Dropbox developer portal > <https://www.dropbox.com/developers/apps>. You have page as shown in below image:

Click on create app button on right top. You will have new page to create an app in drop box as below:

Step 2: Click on Choose an API.

Step 3: Than you get options for Choose the type of access you need > select Full Dropbox.

Step 3: Give Name for the app. Click on create app.

Now your App is created. And you will redirect to your created app page from there you can get App key and App secret as show in below image:

App key	i1f174617fzo6i0
App secret	Show

Set those values in field App Key and App Secret.

Authorization Code: To set this click on button Get Authorization code, you will have one wizard as shown in below image:

 Odoo 

Get Authorization Code --> [Get Authorization Code](#)

**Authorization Code**

Here, click on link Get Authorization code, you will redirect to a new page if you are not logged in to drop box than sign in from there otherwise continue to get code. After all process done you will have Authorization code and set that code in this wizard form field Authorization code as shown in above image and click on confirm button.

Dropbox Refresh Token: To set value in this field click on button Generate Refresh Token after Authorization code will be generated. This field will be automatically filled when click on button Generate Refresh Token.

(Note: Authorization Code and Dropbox Refresh Token fields are required for drop box)

All other fields are same as described in point 2.

After configure all fields click on save and again save main form.

## FTP

5. To set database backup to FTP, click on edit than click on automatic backup's rule where backup destination is FTP. You will have form to configure DB backup to FTP as below:

The screenshot shows a web application interface with a modal dialog titled "Open: Auto Database Backup Rules". The dialog is used to configure automatic database backup rules for an FTP destination. The background shows the "Configure Auto DB Backups" page with a table of backup rules. The modal contains the following fields and controls:

- Backup Destination:** FTP
- Backup:** Database Only
- FTP Address:** (with a help icon)
- FTP Port:** 0 (with a help icon)
- FTP Username:** (with a help icon)
- FTP Password:** (with a help icon)
- FTP Path:** (with a help icon)
- Test FTP Connection:** A button to verify the connection.
- Active:** A checkbox that is currently unchecked.
- Interval Number:** 1
- Interval Unit:** Days
- Next Execution Date:** 11/27/2023 12:08:25
- Save / Discard:** Buttons at the bottom of the modal.

### Fields to Set:

**FTP Address:** Set the IP address from your remote server.

**FTP Port:** Set port on the FTP server.

**FTP Username:** Set the username where the FTP connection should be made with.

**FTP Password:** Set the password from the user where the FTP connection should be made with.

**FTP Path:** Set the path where you want to store DB backup in FTP.

After that once check for connection. To do that click on Test FTP Connection.

All other fields are same as described in point 2.

After configure all fields click on save and again save main form.

## SFTP

6. To set database backup to SFTP, click on edit than click on automatic backup's rule where backup destination is SFTP. You will have form to configure DB backup to SFTP as below:

The screenshot shows a web application interface with a modal dialog titled "Open: Auto Database Backup Rules". The dialog contains the following fields and controls:

- Backup Type:** Zip
- Backup Destination:** SFTP
- Backup:** Database Only
- SFTP Host:** 207.180.228.60
- SFTP User:** root
- SFTP Port:** 22
- .pem File Available??** ☐
- SFTP Key File Path/Password:** aE6P2G4355
- SFTP Path:** /opt
- Test SFTP Connection** button
- Active** ☐
- Save** and **Discard** buttons at the bottom.

The background shows the "Configure Auto DB Backups" page with a table of backup rules. The first rule is "Auto db backup" with a status of "Active".

### Fields to Set:

**SFTP Host:** Set the IP address from your remote server.

**SFTP User:** Set the username where the SFTP connection should be made with.

**SFTP Key file path(use .pem file):** To set key file path click on button upload your file and open that file from where it is after that the path for key file will be automatically set in that field.

**SFTP Path:** Give the path in remote server where you want to store DB backup.

After that once check for connection. To do that click on Test SFTP Connection.

All other fields are same as described in point 2.

After configure all fields click on save and again save main form.

## Amazon S3

7. To set database backup to AWS S3, click on edit then click on automatic backup's rule where backup destination is AWS S3. You will have form to configure DB backup to AWS S3 as below:

The screenshot shows a web application interface with a modal dialog titled "Open: Auto Database Backup Rules". The dialog contains the following fields and controls:

- Backup Type:** Zip
- Backup Destination:** AWS S3
- Backup:** Database Only (with a dropdown arrow)
- App Key:** [Empty text input field]
- Secret Key:** [Masked text input field with dots]
- Bucket Name:** icon-s3-bucket
- Active:** ☐
- Interval Number:** 1
- Interval Unit:** Days
- Next Execution Date:** 11/28/2023 17:44:22
- Buttons:** Save (purple), Discard (grey)

The background shows a sidebar with "Settings" and "Auto db backup" sections, and a main area with a table of backup rules.

### Fields to Set:

App Key: Set AWS s3 app key.

Secret Key: Set here AWS s3 secret key.

Bucket Name: Add bucket name in which you want to store database backup.

All other fields are same as described in point 2.

After configure all fields click on save and again save main form.

## Email Notification Config

8. Set Successful Backup Notification Email if you want to get notification about Successful database backup in your mail. Set email in Successful Backup Notification field.

Set Failed Backup Notification if you want to get notification about failed database backup in your mail. Set email in Failed Backup Notification field.

If you want to auto remove DB backups from backup destinations (folder, Google drive, drop box, ftp, sftp, AWS s3), then checked the checkbox Auto. Remove Backups and fill the field Remove after x days, after how many days you want to delete your backup from Backup destinations (folder, Google drive, drop box, ftp, sftp, AWS s3).

All above fields you can set from below:

SettingsGeneral SettingsUsers & CompaniesTranslationsTechnical

Configure Auto DB BackupsAuto db backups1 / 1

Filename

Auto db backups

Successful Backup Notification Emailnathan.freeman9401@gmail.comFailed Backup Notification Email

Auto. Remove Backups?☐

Automatic Backup Rules

Active	Backup Type	Backup Destination	Next Execution Date	
<input type="checkbox"/>	Zip	Folder	11/27/2023 18:29:33	Backup
<input type="checkbox"/>	Zip	Google Drive	11/28/2023 13:25:25	Backup
<input type="checkbox"/>	Zip	Dropbox	11/28/2023 12:08:25	Backup
<input type="checkbox"/>	Zip	FTP	11/27/2023 12:08:25	Backup
<input type="checkbox"/>	Zip	SFTP	11/28/2023 12:08:25	Backup
<input type="checkbox"/>	Zip	AWS S3	11/28/2023 17:44:22	Backup



## Auto DB Backup Status

9. To check status for database backup is uploaded or not, go to Settings > Technical > Auto DB Backups > Auto DB Backups Status as shown in below image:

