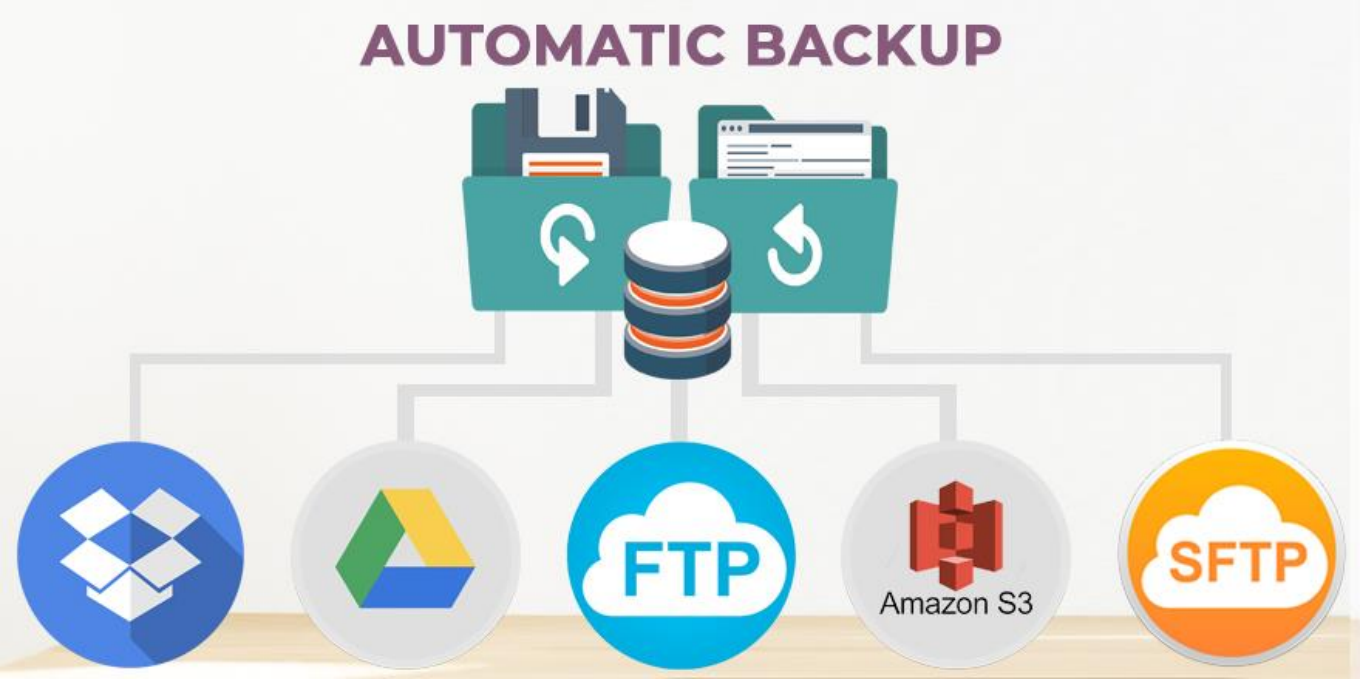
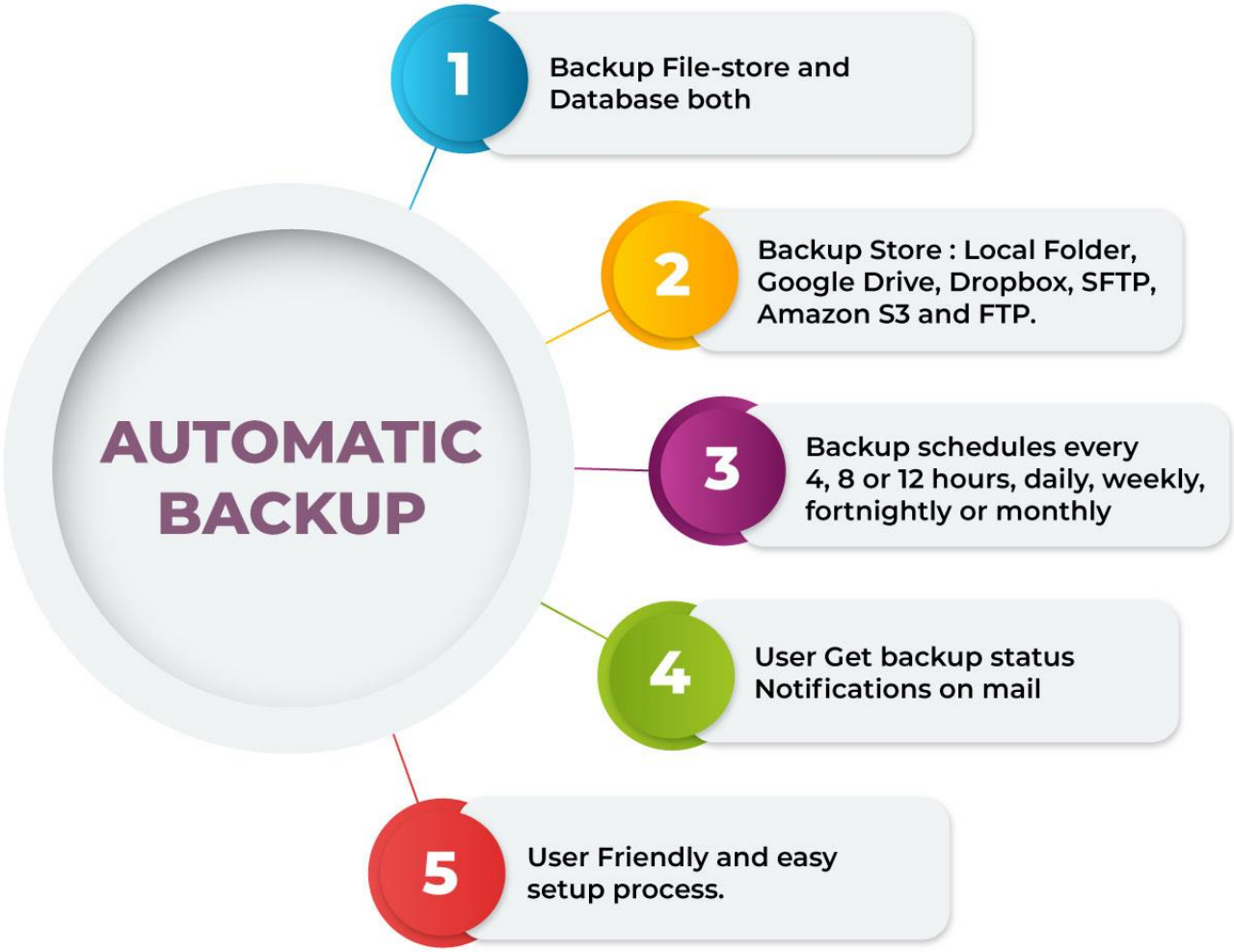
AUTOMATIC BACKUP

Develop by- Icon TechSoft Pvt. Ltd

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



Features


AUTOMATIC BACKUP
1
Backup File-store and Database both
2
Backup Store : Local Folder, Google Drive, Dropbox, SFTP, Amazon S3 and FTP.
3
Backup schedules every 4, 8 or 12 hours, daily, weekly, fortnightly or monthly
4
User Get backup status Notifications on mail
5
User Friendly and easy setup process.

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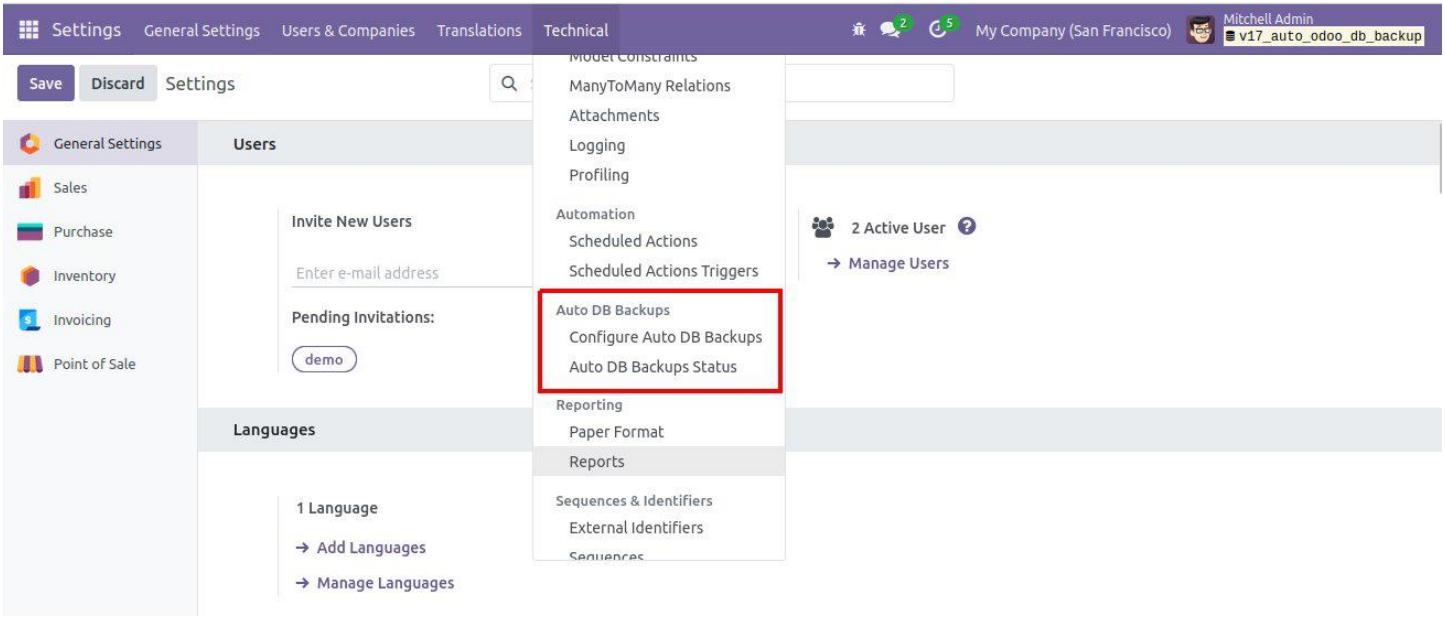
External Dependency

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

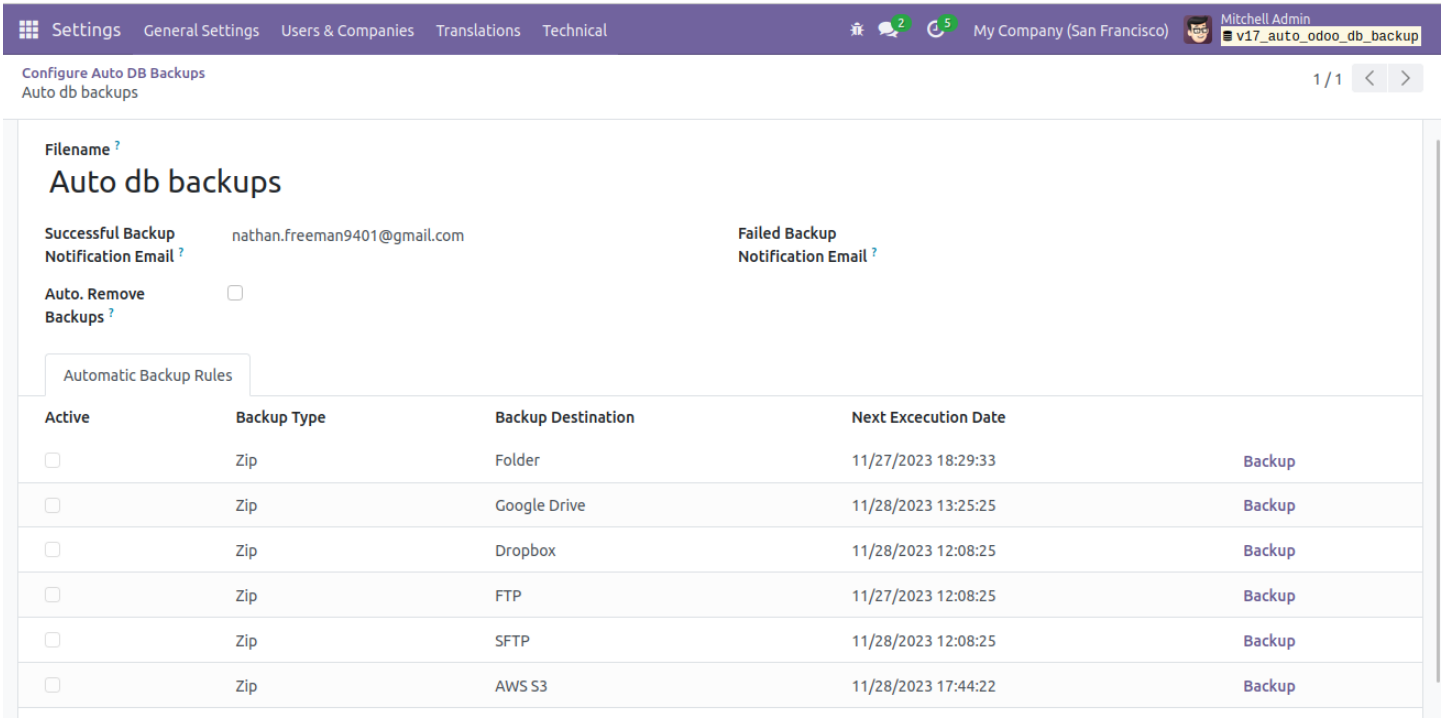
- ϖ To install dropbox use: sudo pip install dropbox
- ϖ To install pysftp use: sudo pip install pysftp
- ϖ To install boto3 use: sudo pip install boto3
- ϖ To install pydrive use: sudo pip install pydrive

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



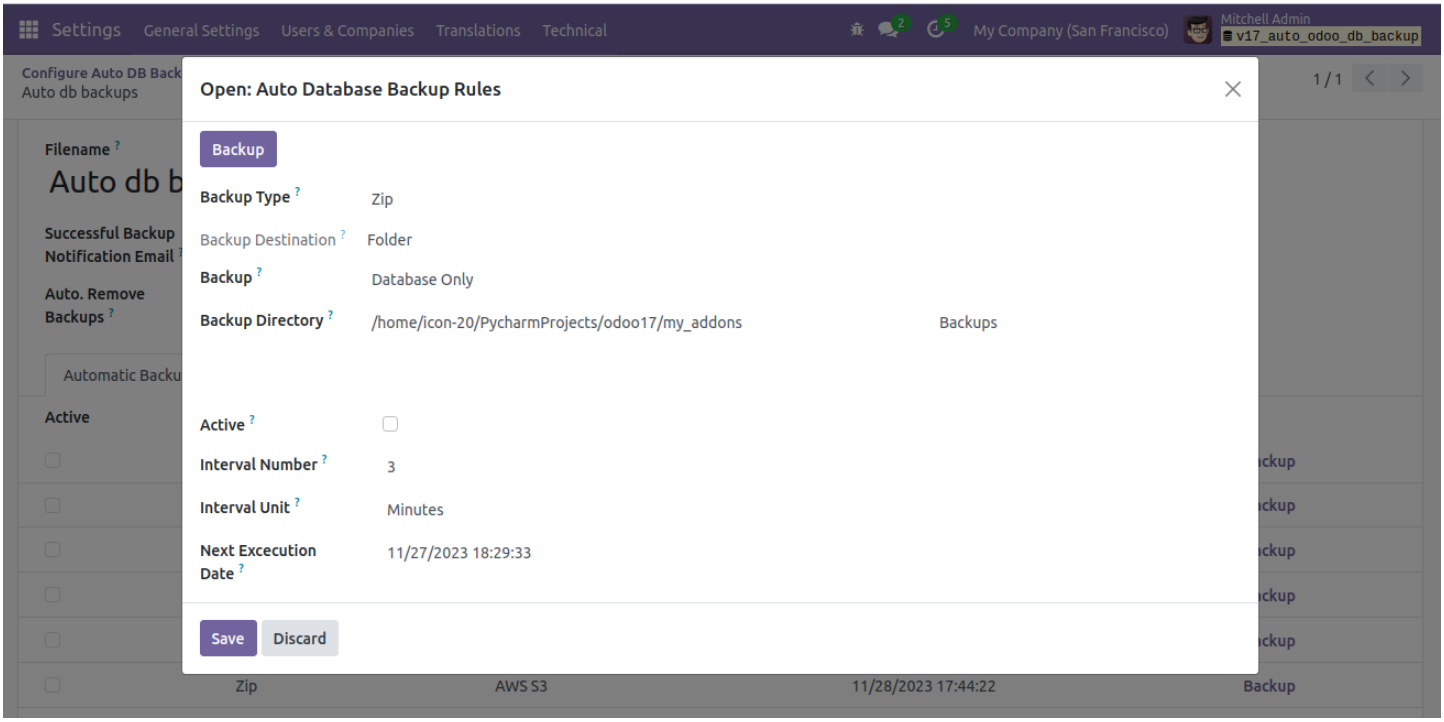
-- Configure Auto DB Backups Form



You can use all or any one you wish to set for database ba ckups 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:



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.

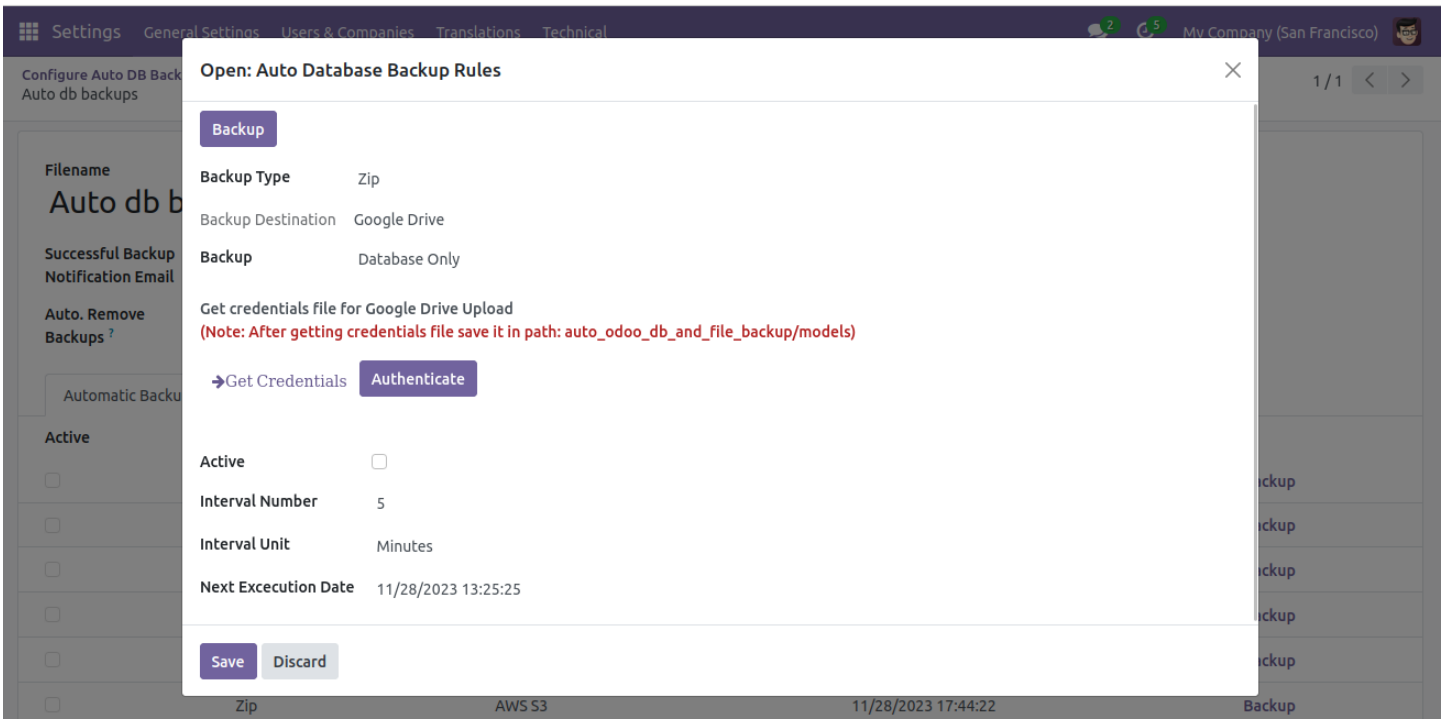
Next Execution date: If you want to set manually the date when to take DB backup to take next than you can set it here.

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:

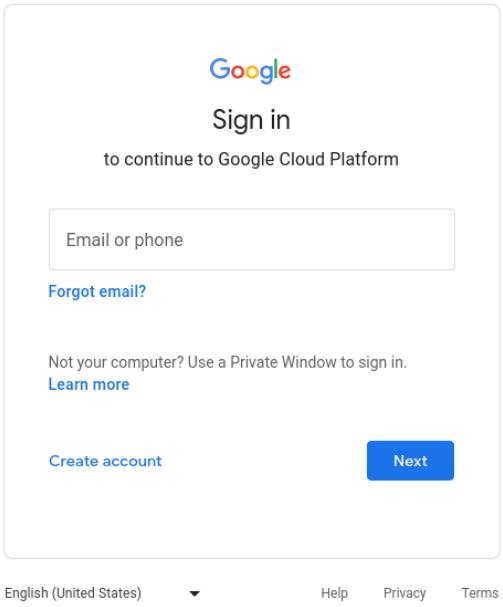


-- Click on Get Credentials link to create oauth file for Google Drive Upload

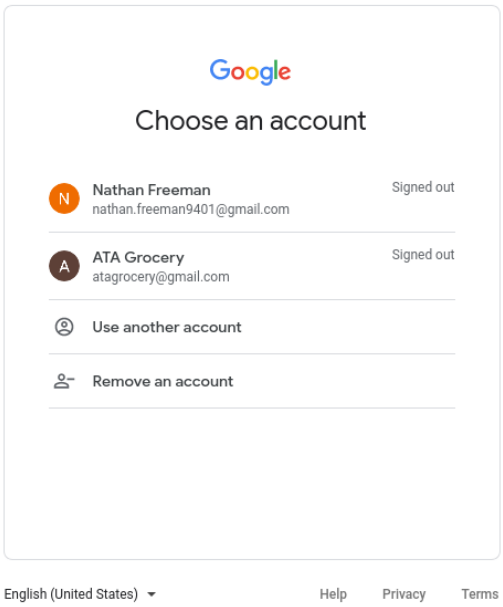
-- You will be redirected to new page to create credential file so follow below steps

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

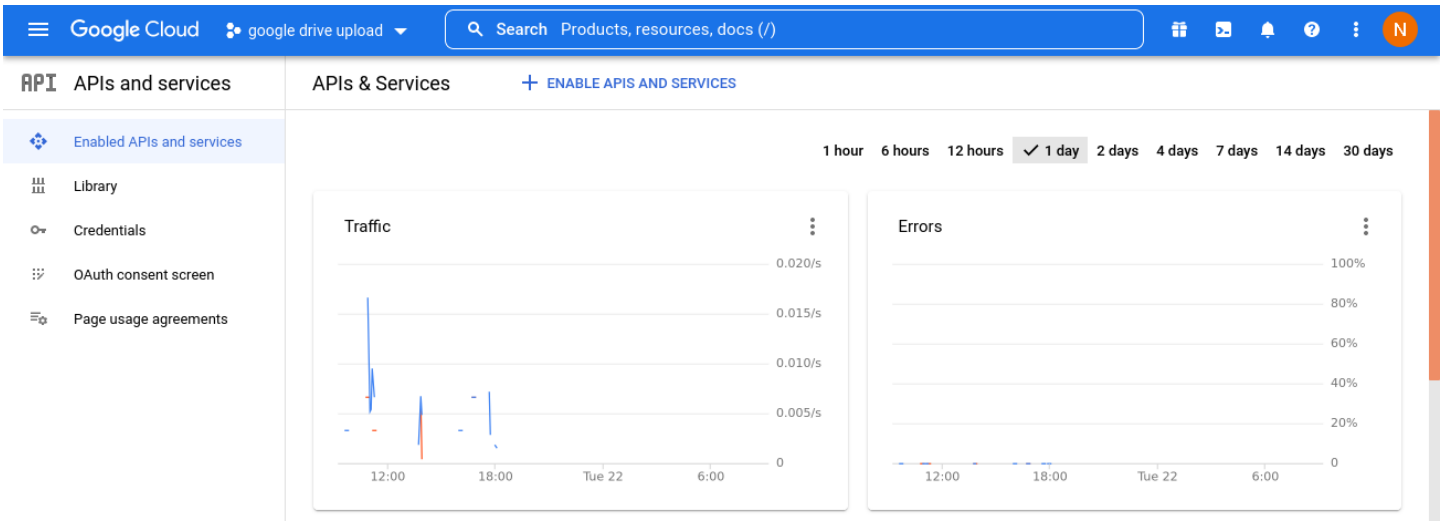


- Choose account (in which you want to upload files) from when you are logged-in in any account before from your browser

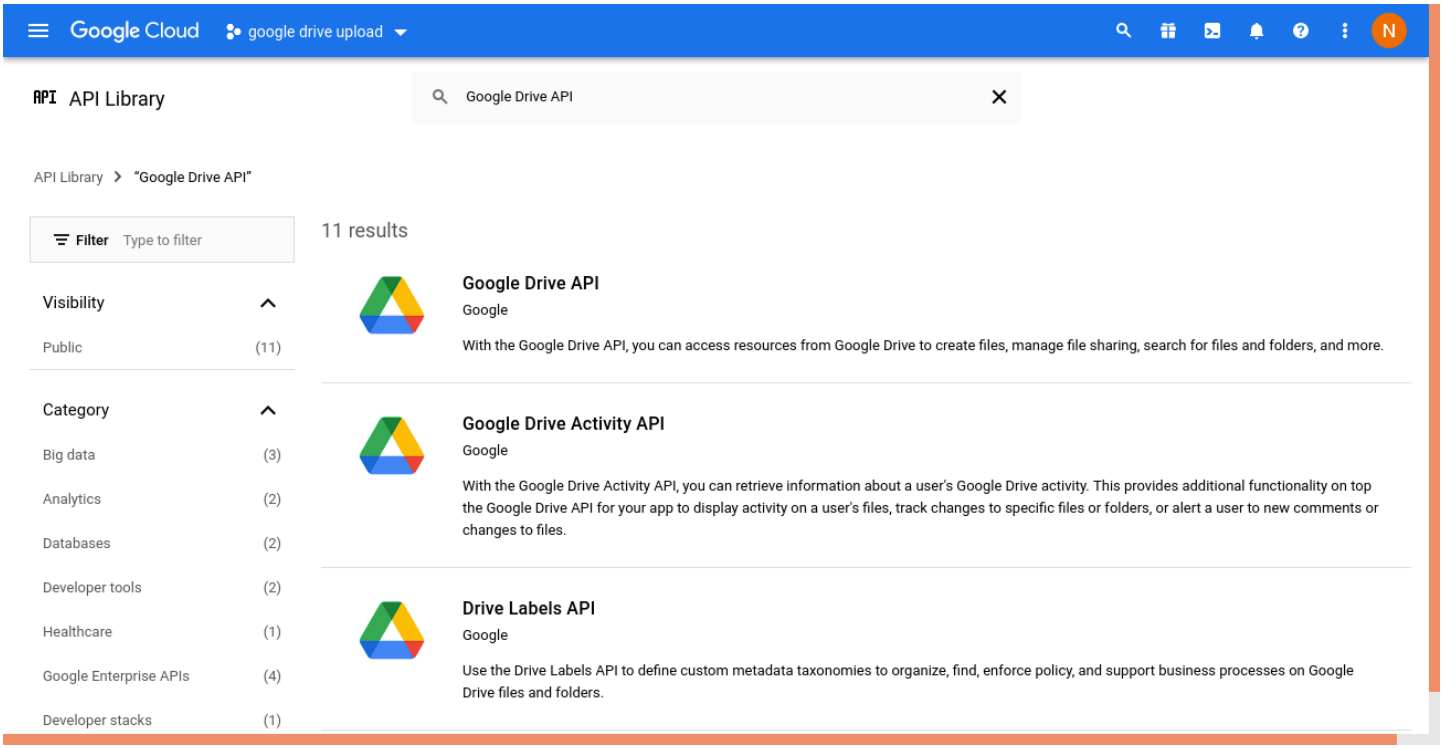


- After login to google account, you have below page to create credentials

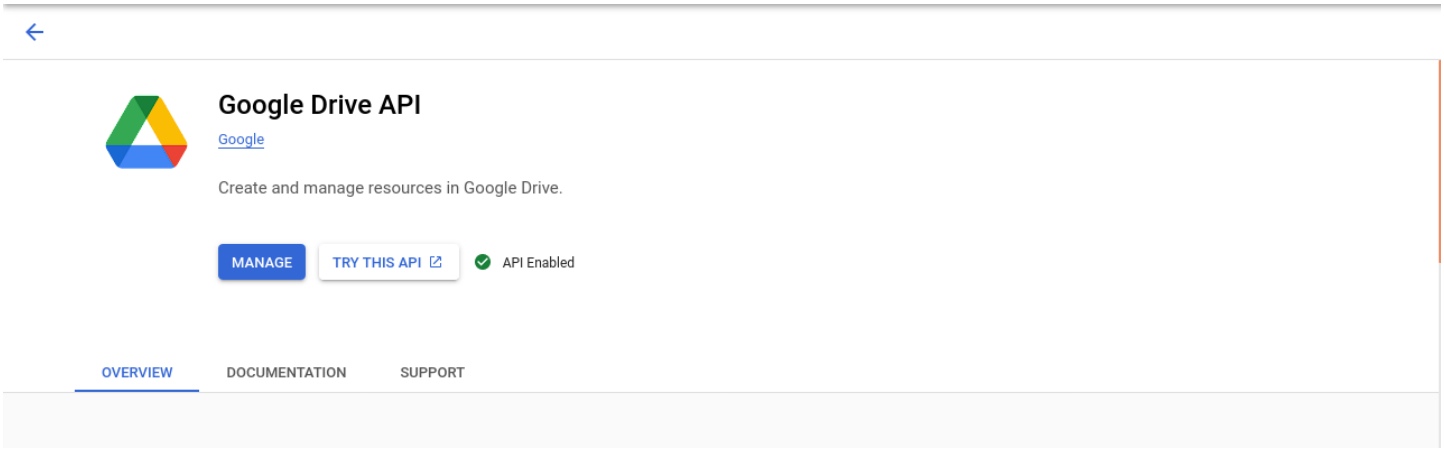
-- click on ENABLE APIS AND SERVICES as shown in below image



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

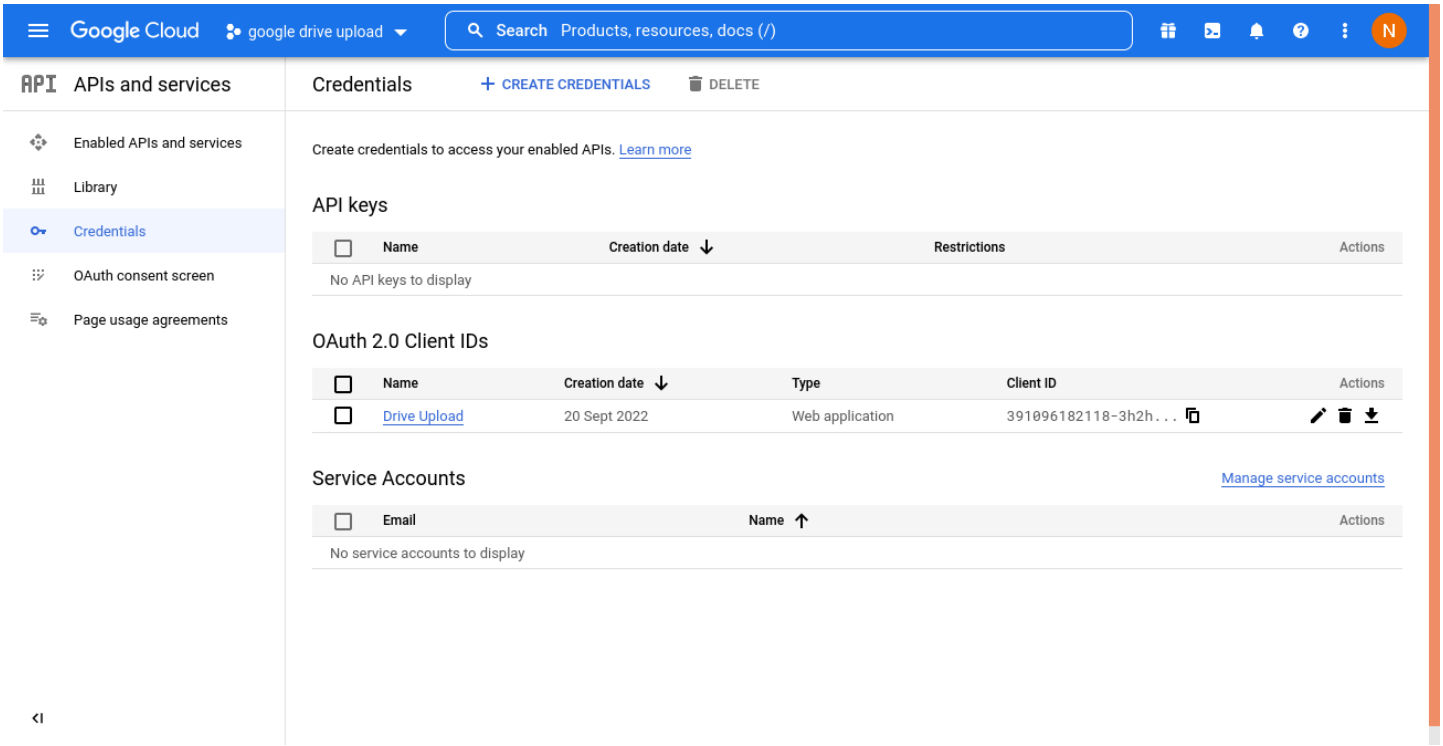


- Select Google Drive API, you have below page

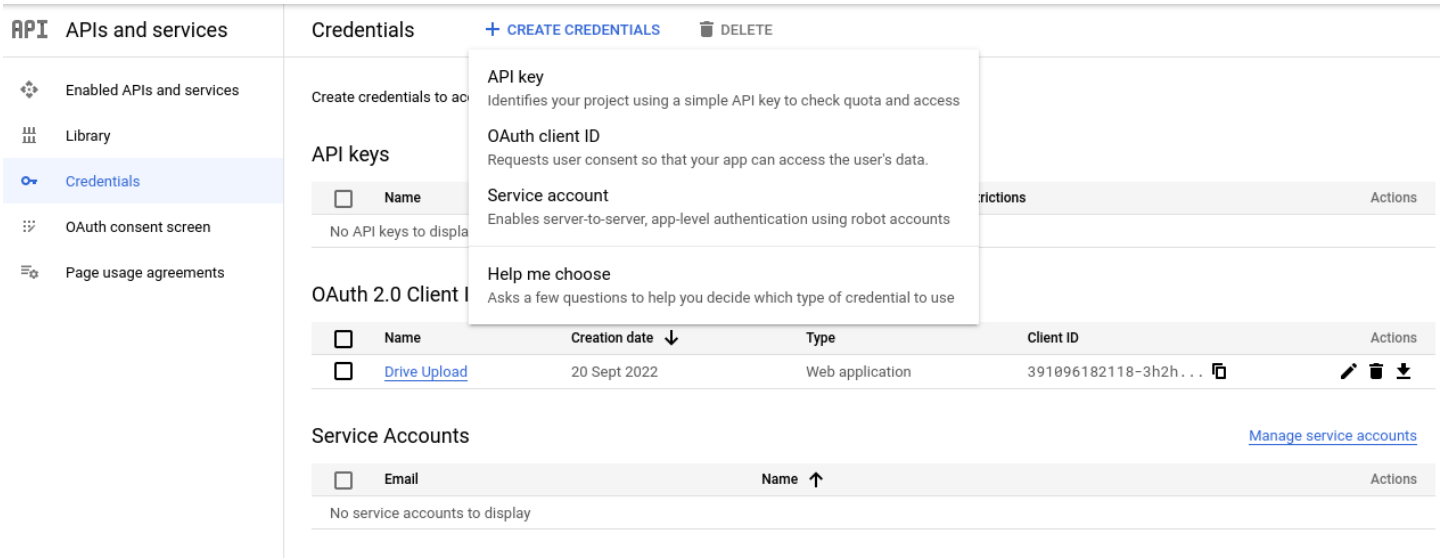


- Here, if this api is not enabled then first enable it

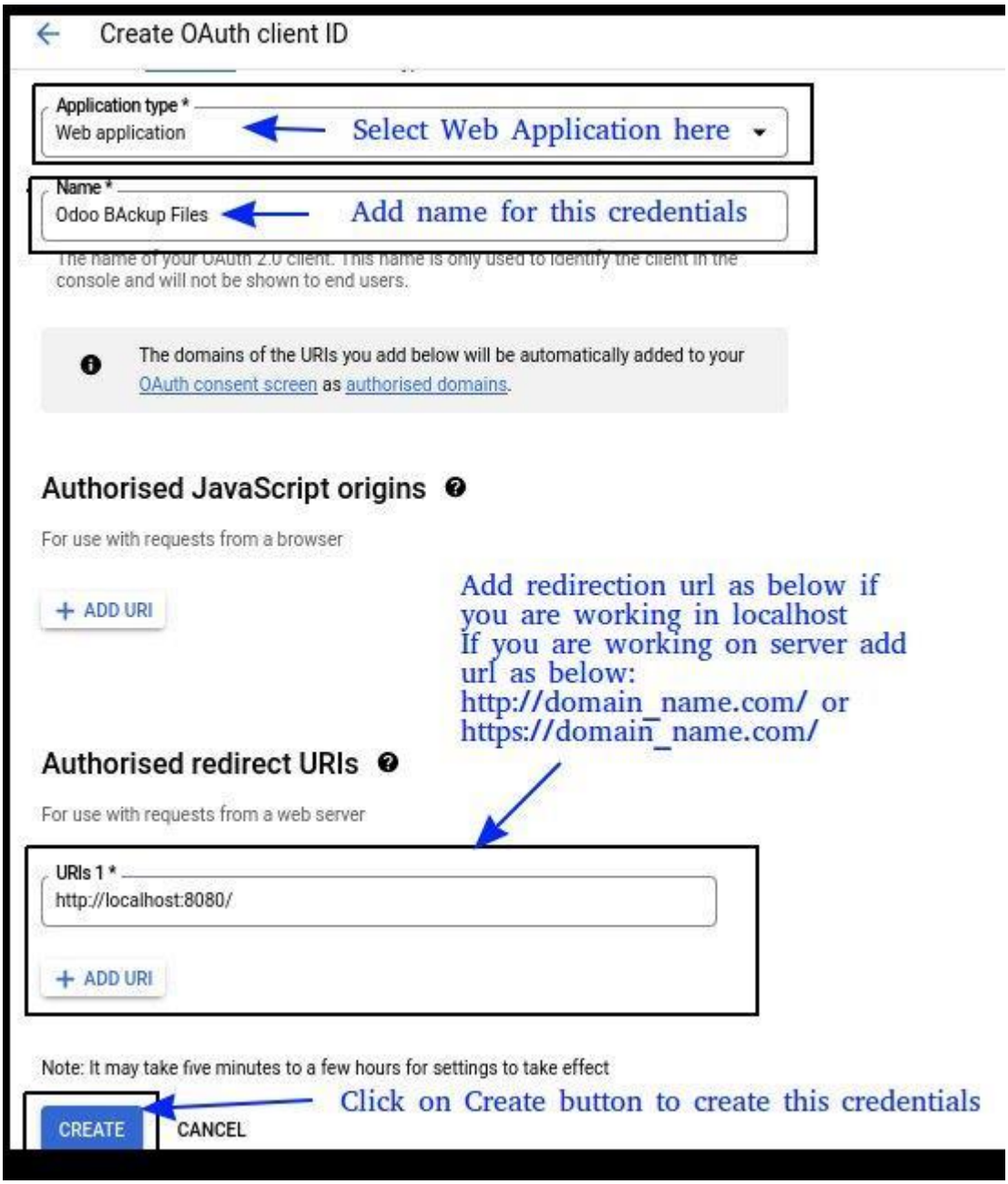
-- Now open URL --> https://console.cloud.google.com/apis/credentials to create credentials file for which is later on used for Google Drive Upload



- Click on CREATE CREDENTIALS as shown in above image



- Here, click on Oauth client ID



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

Name	Creation date	Restrictions	Actions
No API keys to display			

OAuth 2.0 Client IDs

Name	Creation date	Type	Client ID	Actions
Odoo BAckup Files	22 Nov 2022	Web application	391096182118-fpcs...	
Odoo Backups	22 Nov 2022	Web application	391096182118-0d92...	
Drive Upload	20 Sept 2022	Web application	391096182118-3h2h...	

Service Accounts

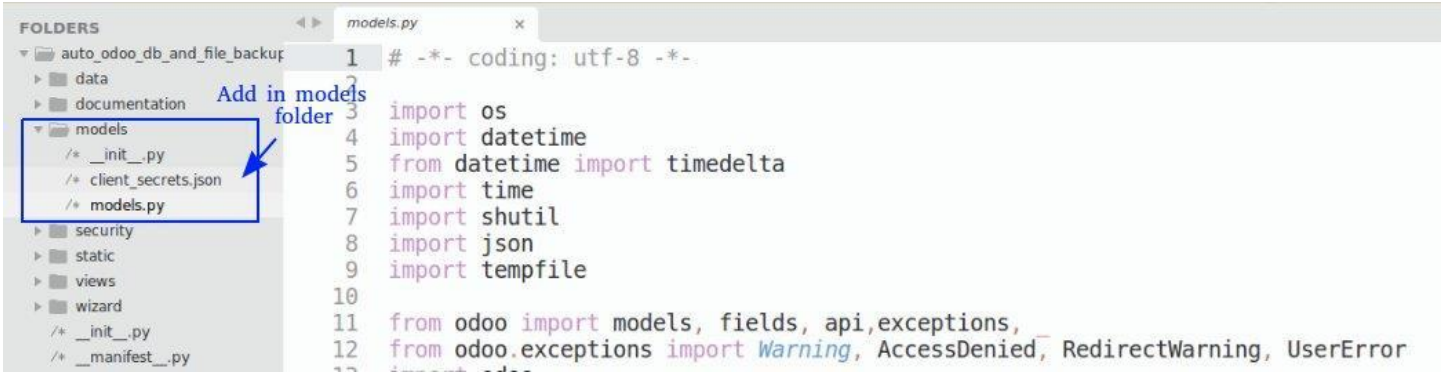
Manage service accounts

Email	Name	Actions
No service accounts to display		

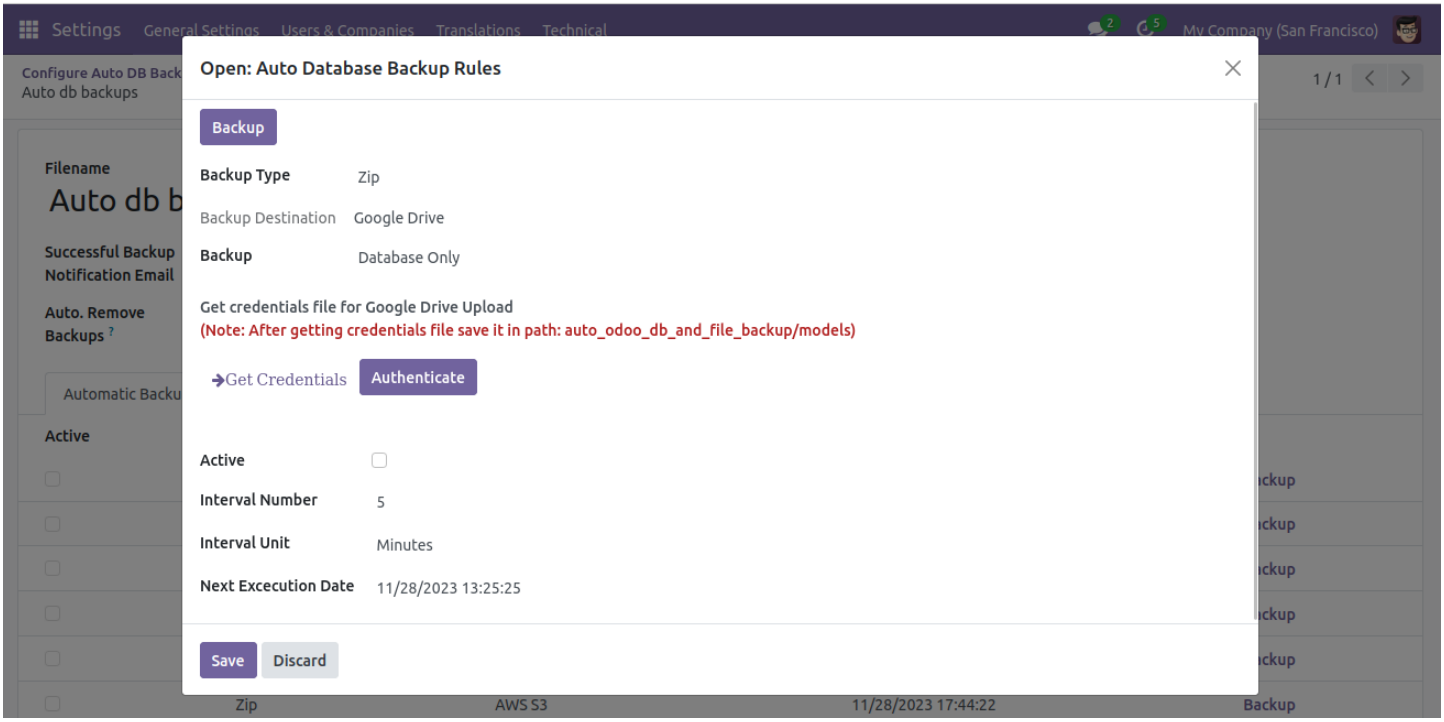
Please don't skip below step

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

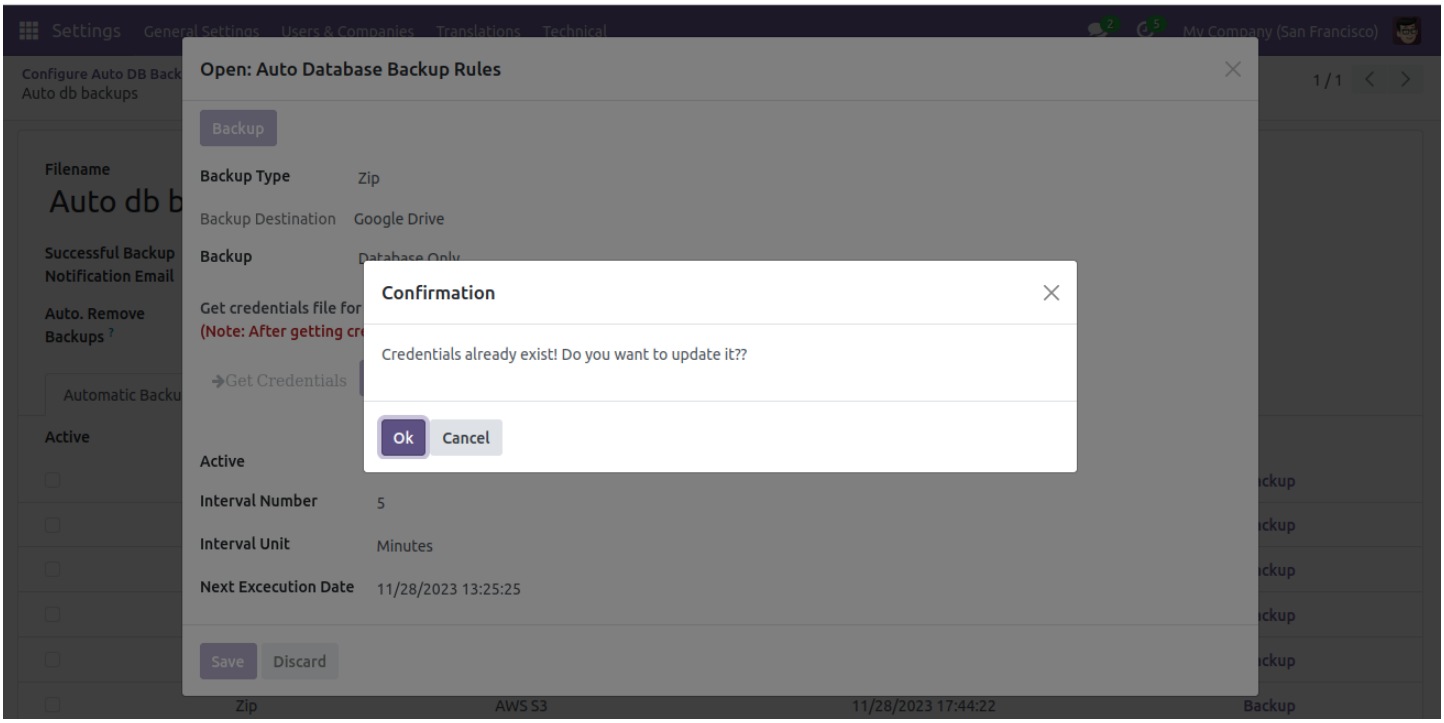


Now after adding this file to module, one time authorize that file from Odoo as shown in below image



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 goint to Get Credential, you have confirmation popup as shown in below image:

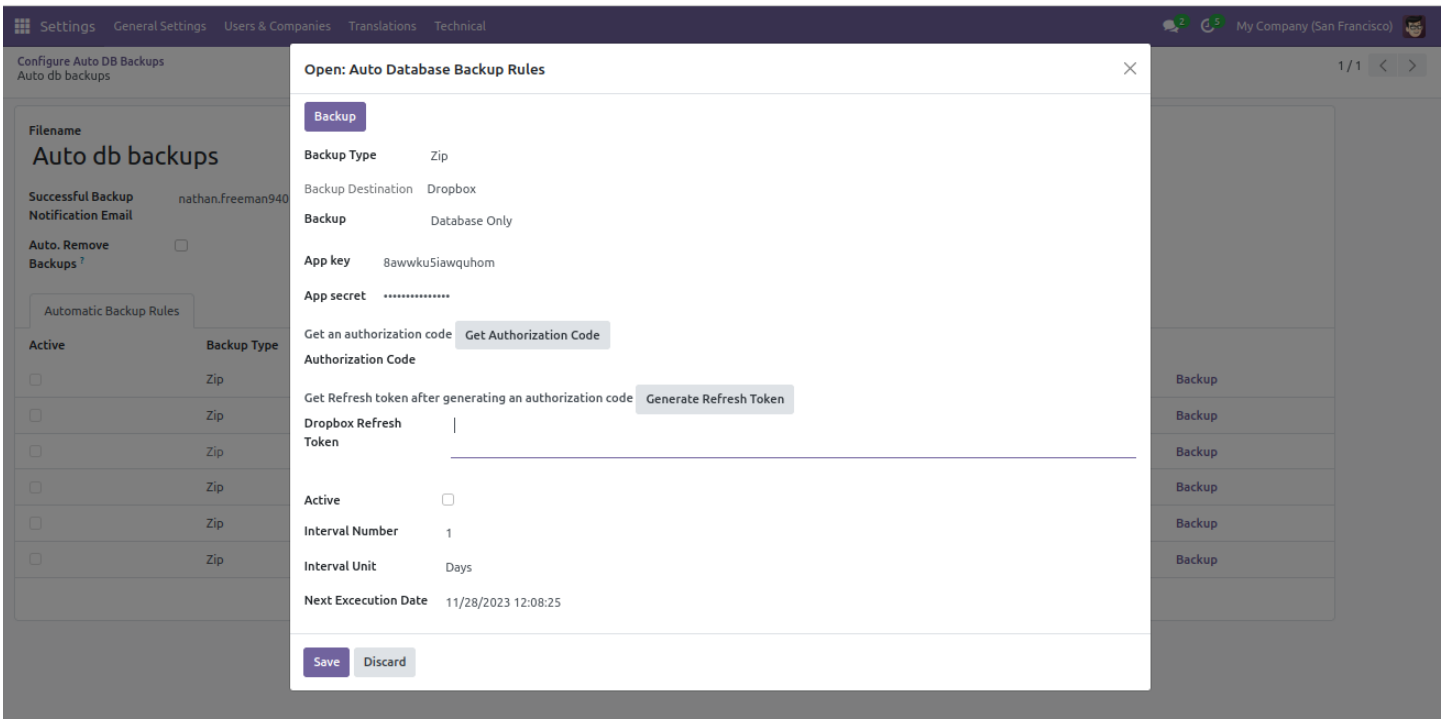


Click on Ok button to continue process otherwise click on Cancel button
All other fields are same as described in point 2.

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

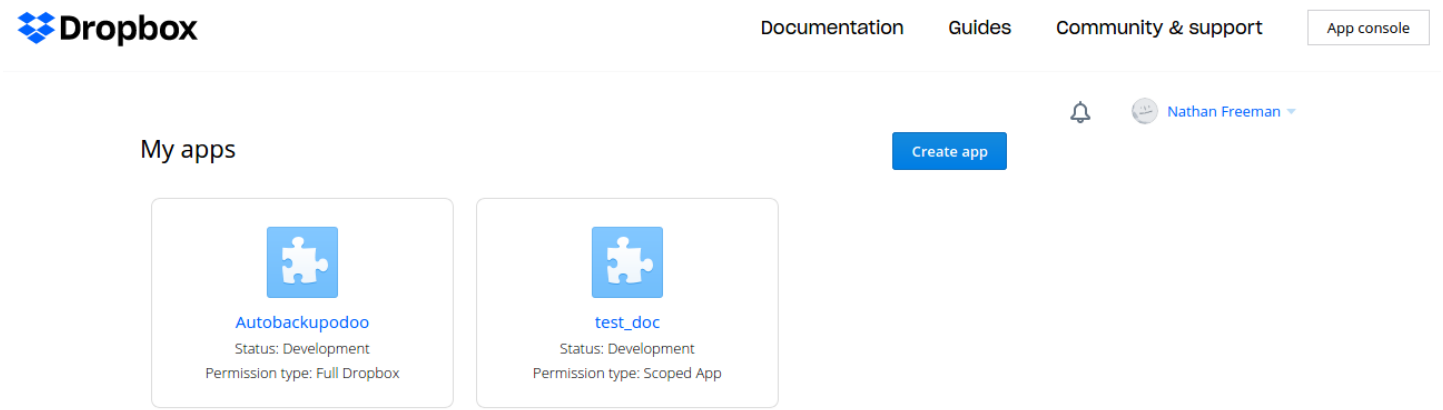
Dropbox

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

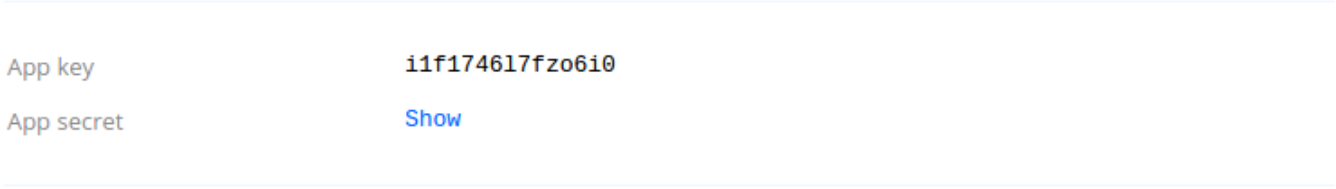


Fields to set:

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



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:



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:

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.

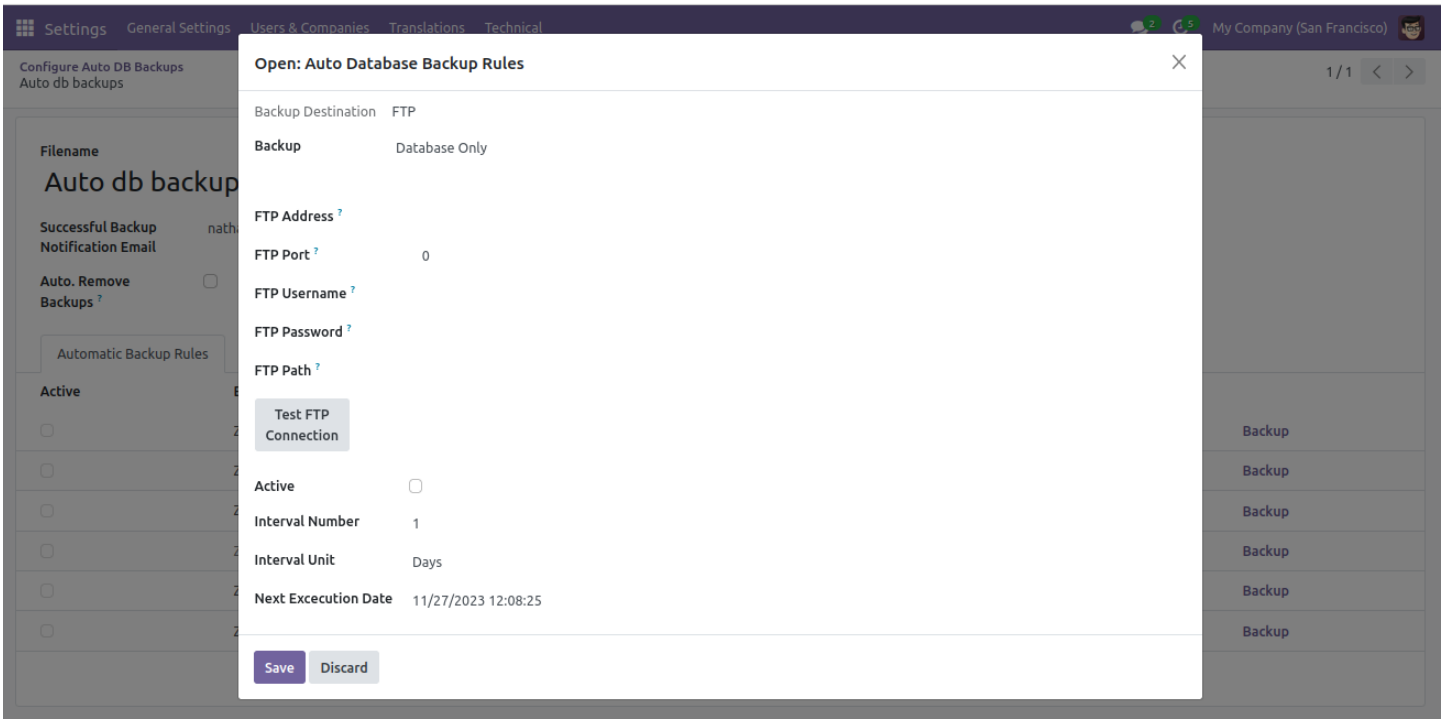
(Note: Authorization Code and Dropbox Refresh Token fields are required for drop box)

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:



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.

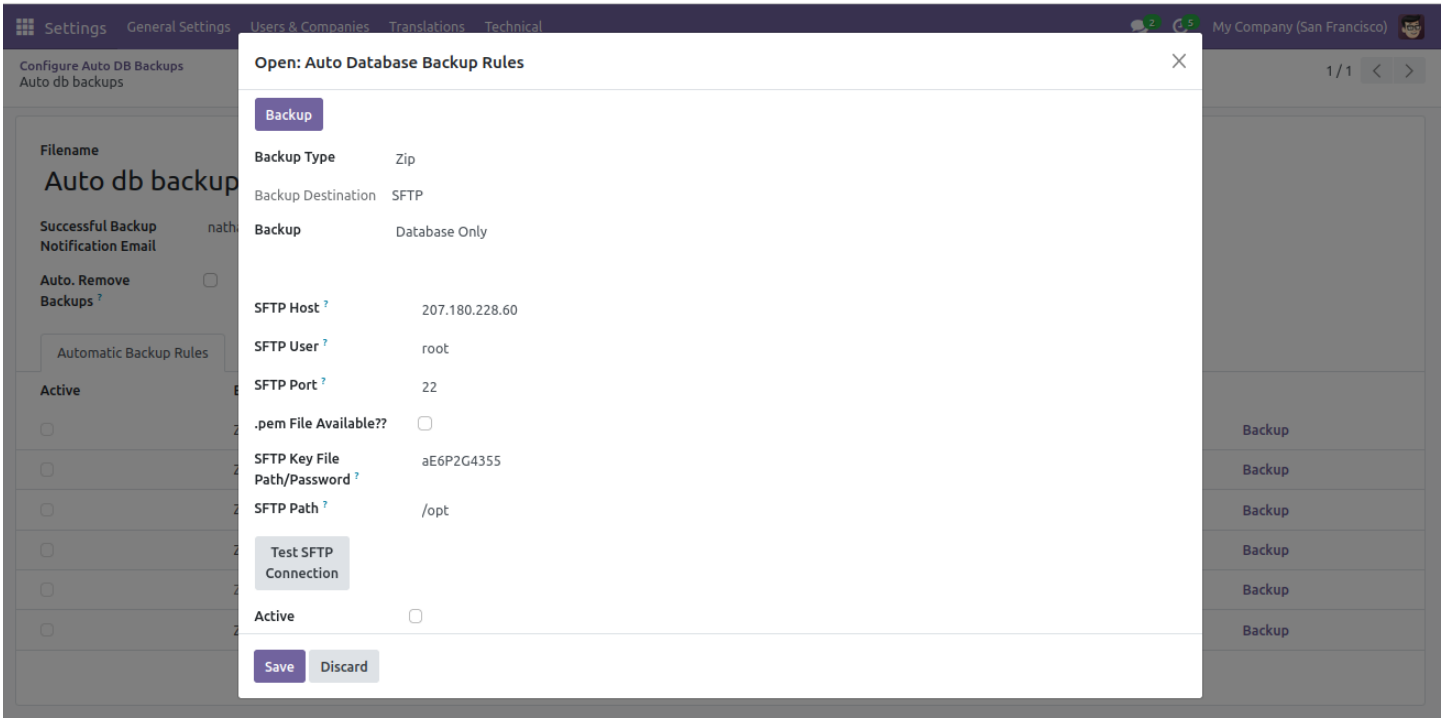
After that once check for connection. To do that click on Test FTP Connection.

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:



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.

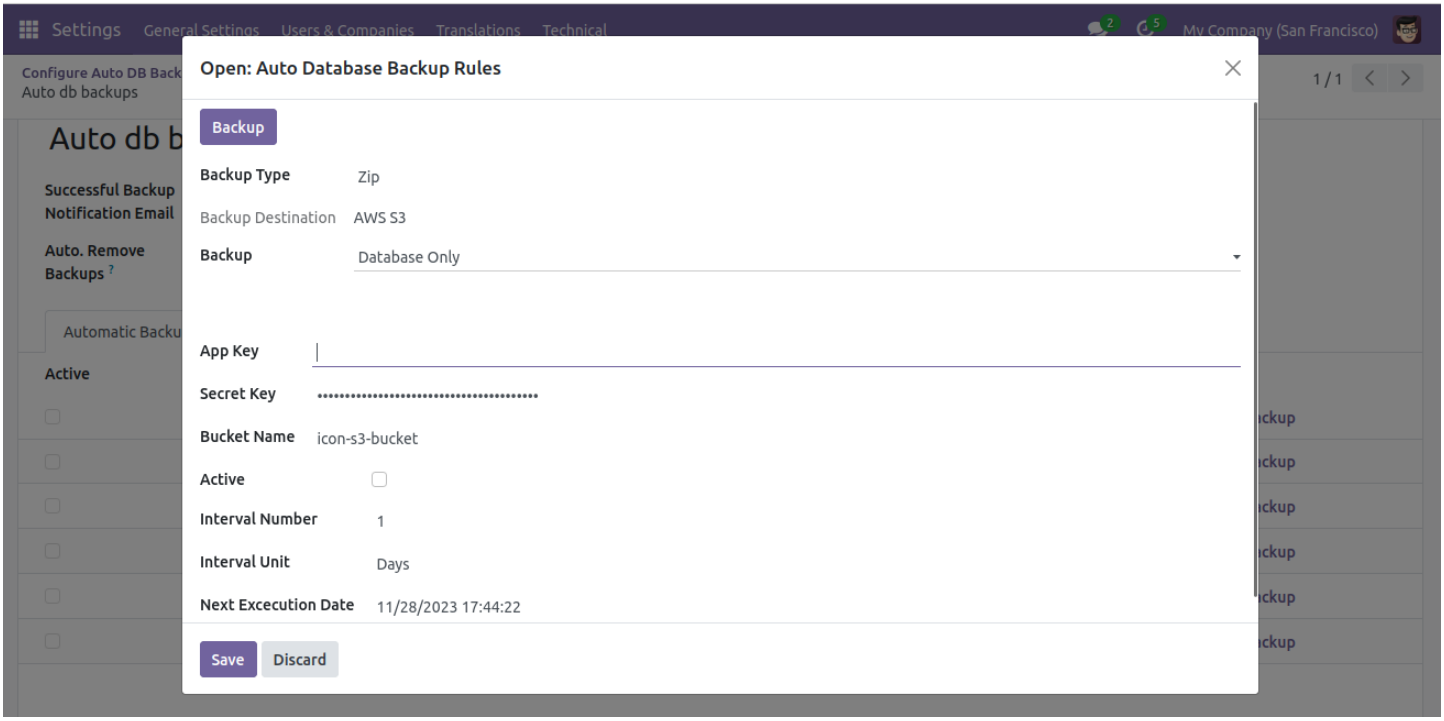
After that once check for connection. To do that click on Test SFTP Connection.

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 than 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:



Fields to Set:

App Key: Set AWS s3 app key.

Secret Key: Set here AWS s3 secret key.

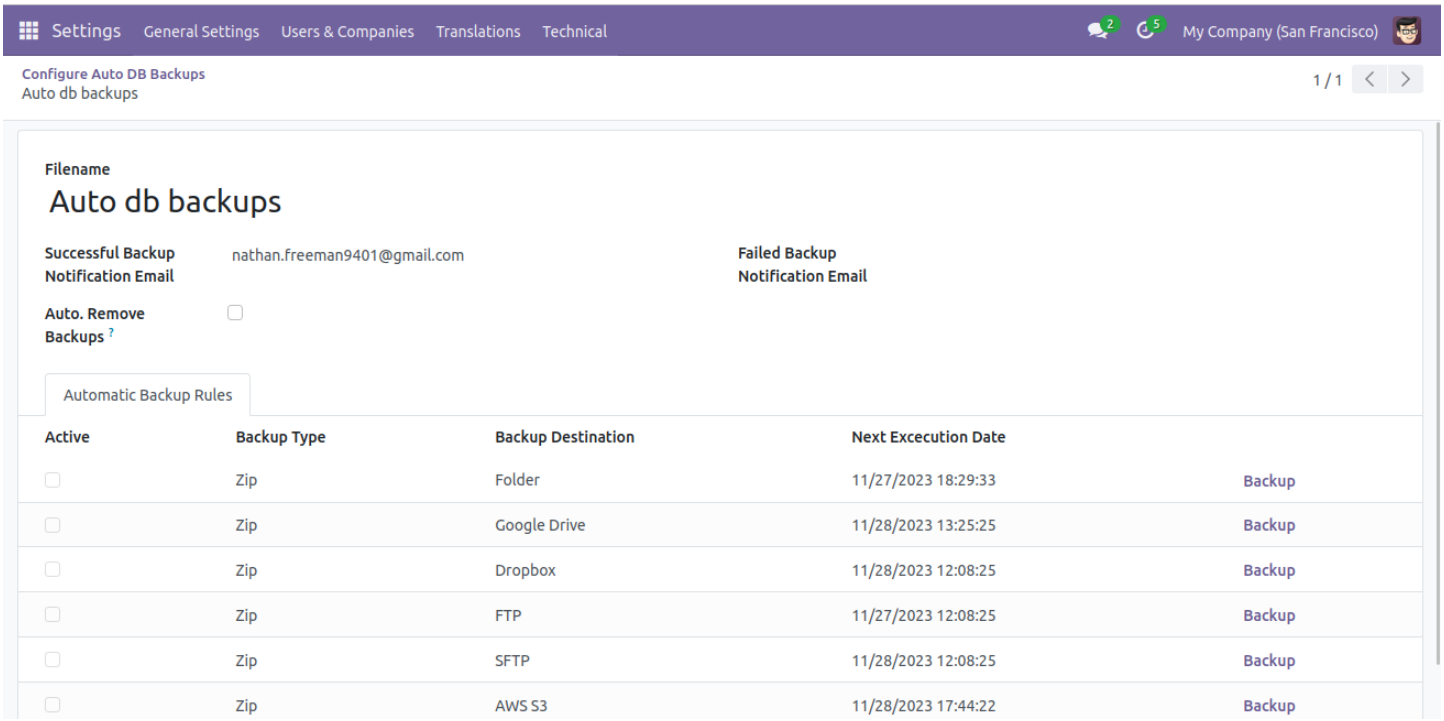
Bucket Name: Add bucket name in which you want to store database backup.

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), than 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:



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: