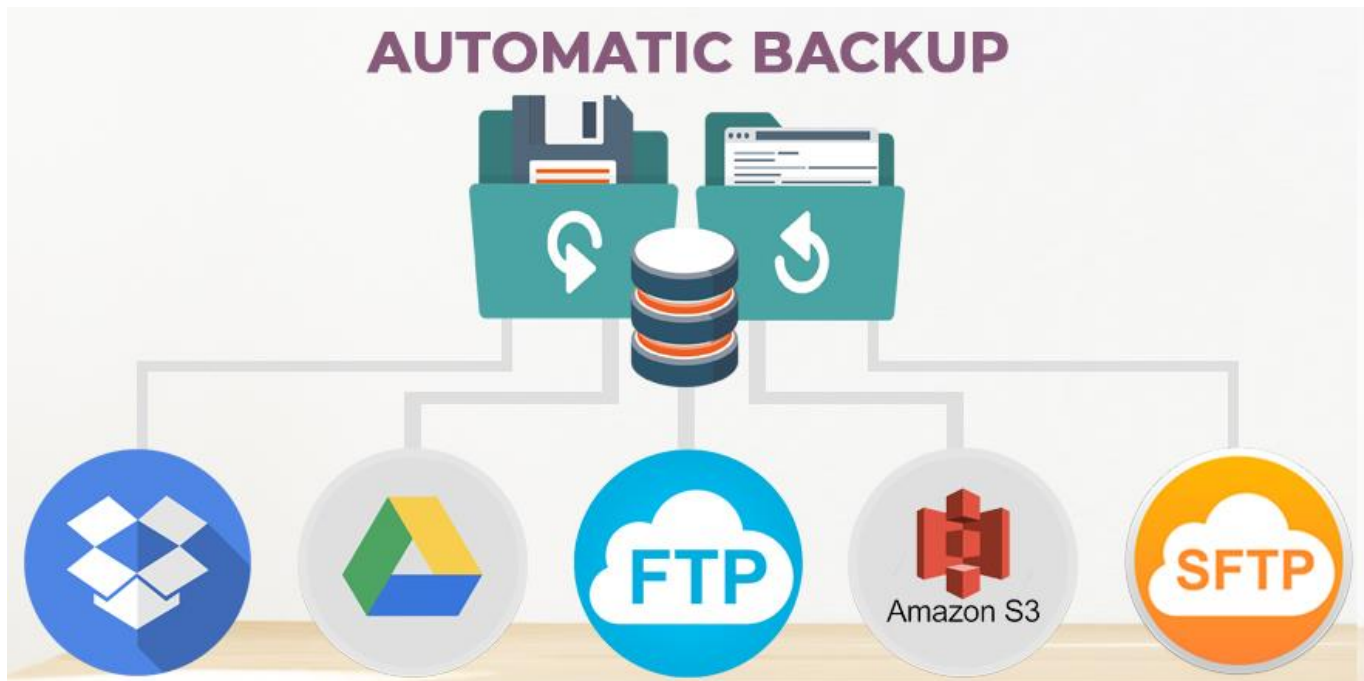


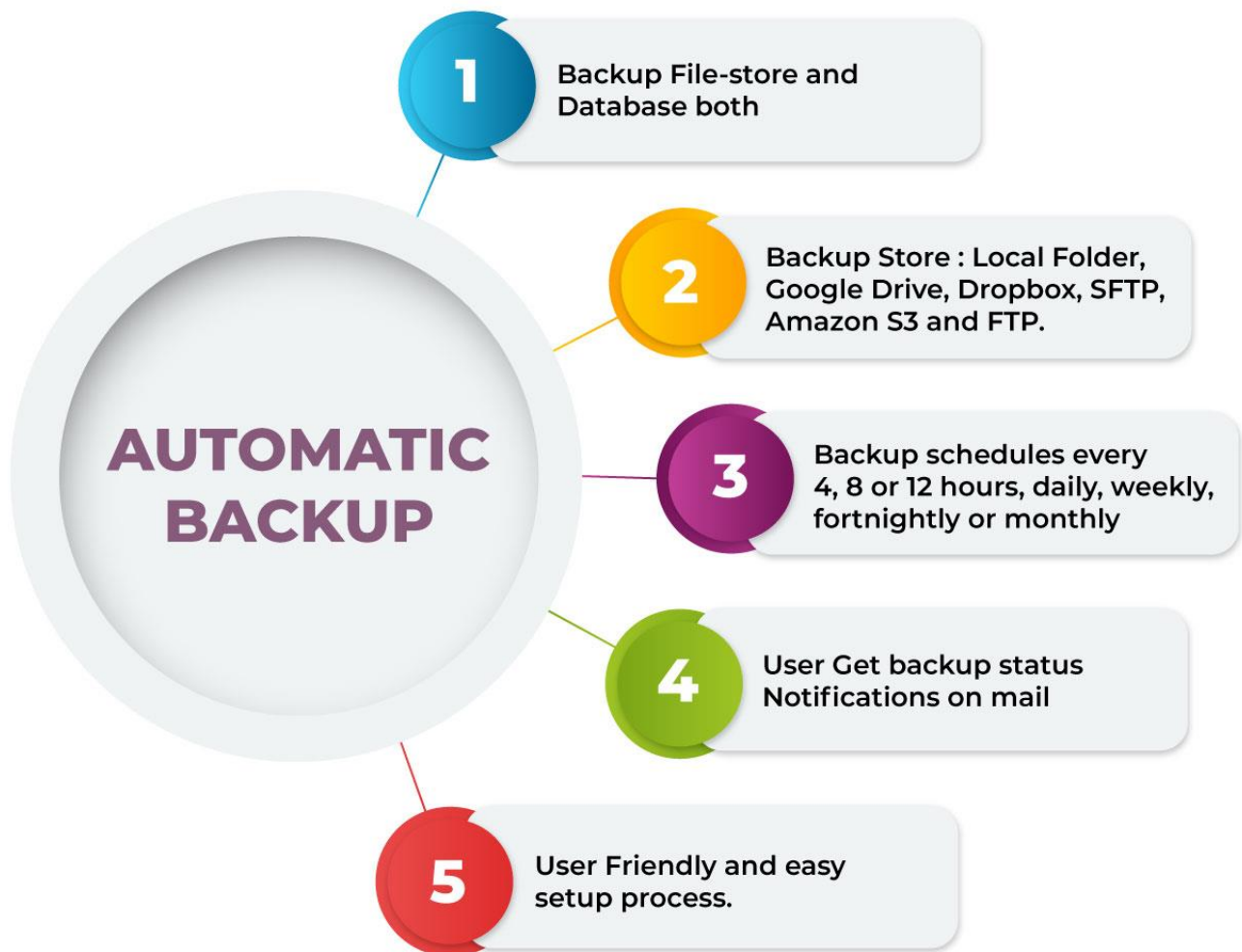
AUTOMATIC BACKUP

Develop by- Icon TechSoft Pvt. Ltd

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



Features



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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

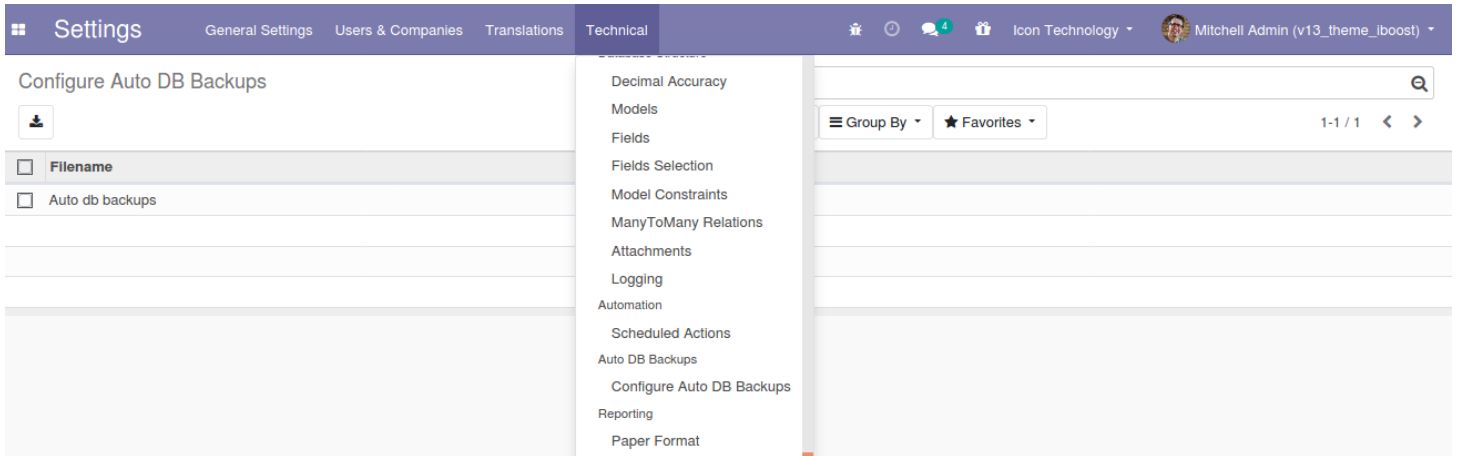


image:

Filename

Auto db backups

Successful Backup Notification Email

Auto. Remove Backups

☒

Failed Backup Notification Email

Remove after x days

1

Automatic Backup Rules

Active	Backup Type	Backup Destination	Next Excecution Date	
<input type="checkbox"/>	Zip	Folder	03/01/2021 18:59:00	Backup
<input type="checkbox"/>	Dump	Google Drive	03/01/2021 18:59:00	Backup
<input type="checkbox"/>	Zip	Dropbox	03/01/2021 18:59:00	Backup
<input type="checkbox"/>	Zip	FTP	03/01/2021 18:59:00	Backup
<input type="checkbox"/>	Zip	SFTP	03/01/2021 18:59:00	Backup
<input type="checkbox"/>	Zip	AWS S3	03/02/2021 18:59:00	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 then click on automatic backups rule where backup destination is Folder. You will have form to configure DB backup to Folder as below:

Open: Auto Database Backup Rules ✕

Backup

Backup Type
Backup Destination
Backup
Backup Directory

Active
Interval Number
Interval Unit
Next Execution Date

Zip

Folder

Database Only

/home/icon06/workspace1/Odoo14/my_ ▼

Backups

☐

1

Days ▼

11/27/2020 16:47:57 ▼

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

Backup Destination

Backup

Get credentials file for Google Drive Upload
(Note: After getting credentials file save it in path:
auto_odoo_db_and_file_backup/models)

Active

Interval Number

Interval Unit

Next Excecution Date

Dump

Google Drive

Database Only

→Get Credentials

Authenticate

☐

1

Days

02/25/2021 17:32:40

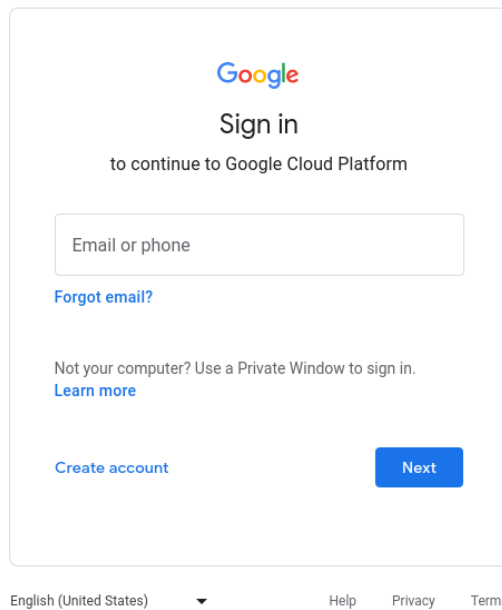
Close

➤ 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

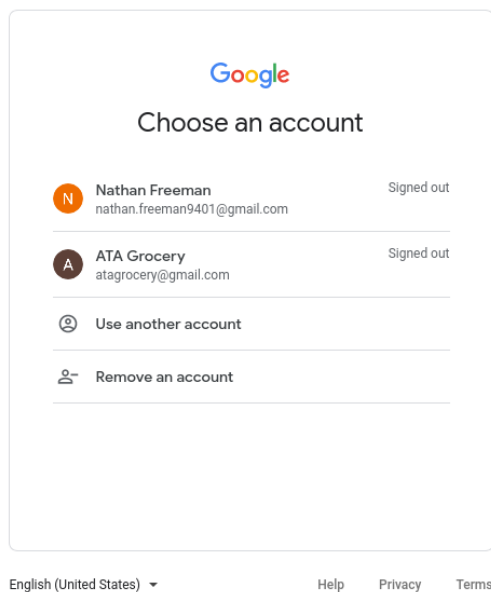
[Forgot email?](#)

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

👤

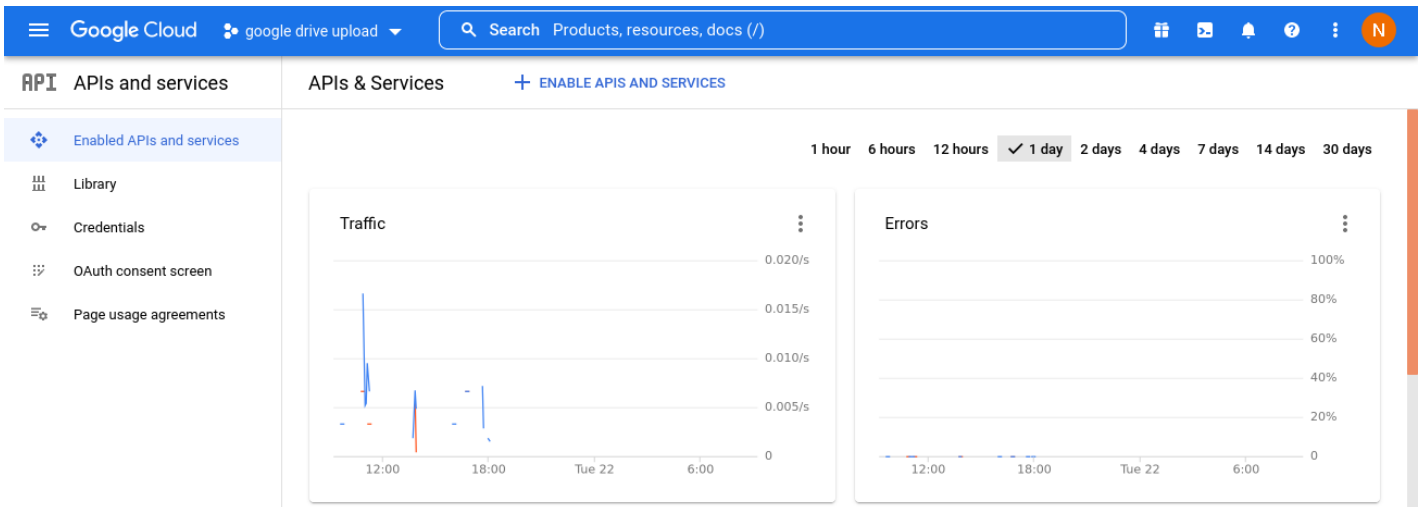
Use another account

👤

Remove an account

English (United States) ▼ Help Privacy Terms

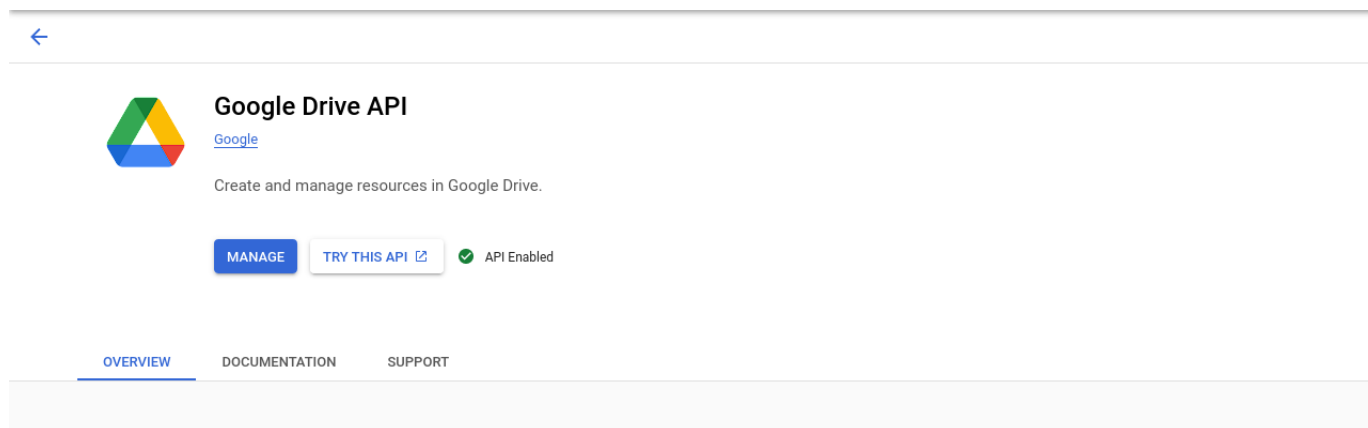
- After login to google account, you have below page to create credentials
-- click on **ENABLE APIS AND SERVICES** as shown in below image



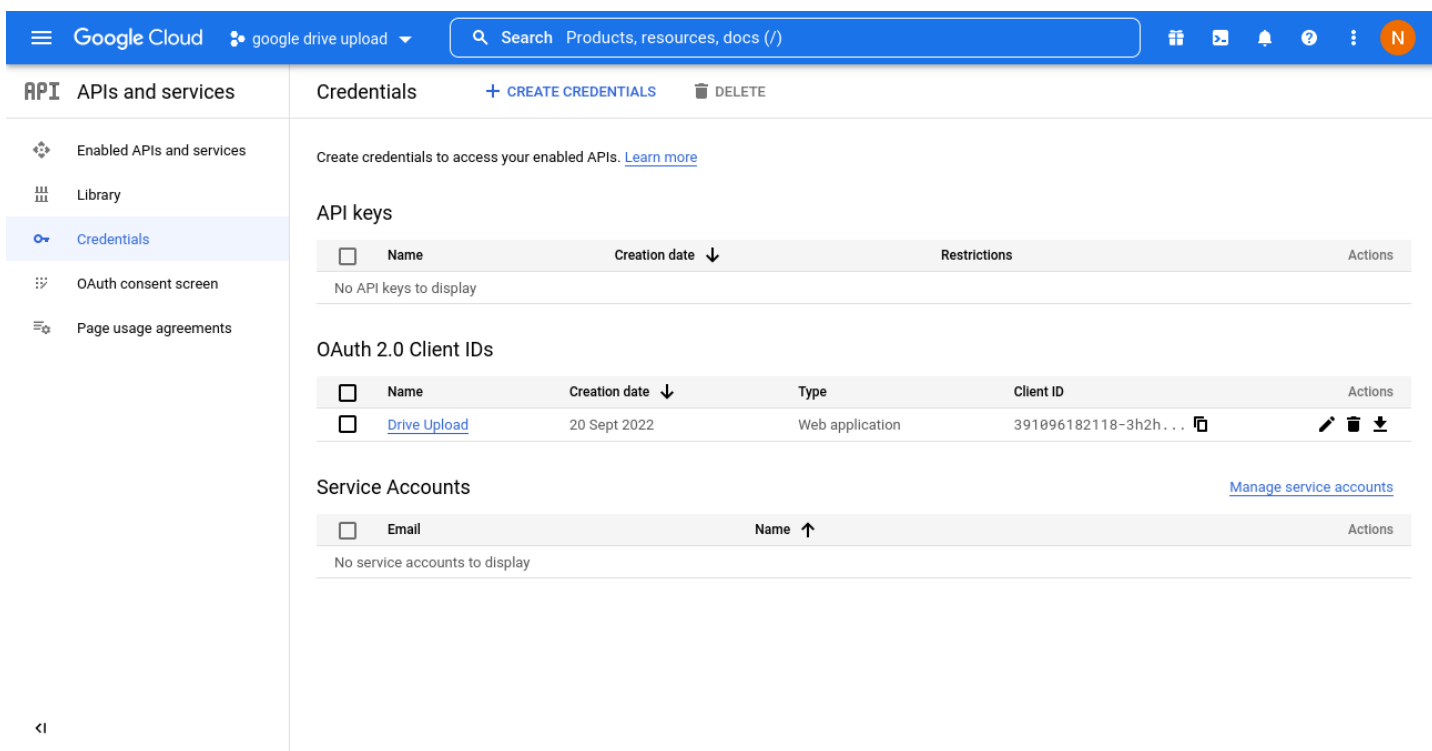
- Here search for Google Drive API to enable that as shown in below image

The screenshot shows the Google Cloud 'API Library' page. The search bar at the top shows 'Google Drive API'. Below the search bar, there are 11 results. The first result is 'Google Drive API' by Google. The description for this API is: 'With the Google Drive API, you can access resources from Google Drive to create files, manage file sharing, search for files and folders, and more.' The second result is 'Google Drive Activity API' by Google. The description for this API is: 'With the Google Drive Activity API, you can retrieve information about a user's Google Drive activity. This provides additional functionality on top the Google Drive API for your app to display activity on a user's files, track changes to specific files or folders, or alert a user to new comments or changes to files.' The third result is 'Drive Labels API' by Google. The description for this API is: 'Use the Drive Labels API to define custom metadata taxonomies to organize, find, enforce policy, and support business processes on Google Drive files and folders.'

- 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

OAuth 2.0 Client IDs

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

<input type="checkbox"/>	Name	Creation date	Type	Client ID	Actions
<input type="checkbox"/>	Drive Upload	20 Sept 2022	Web application	391096182118-3h2h...	Edit Delete Download

Service Accounts

[Manage service accounts](#)

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

Here, click on OAuth client ID

The screenshot shows the 'Create OAuth client ID' form with several annotations:

- Application type ***: A dropdown menu with 'Web application' selected. An arrow points to it with the text 'Select Web Application here'.
- Name ***: A text input field containing 'Odoo BBackup Files'. An arrow points to it with the text 'Add name for this credentials'.
- 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 question mark icon. Below it is the text 'For use with requests from a browser'. There is a '+ ADD URI' button. To the right, blue text says: '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/'. An arrow points from this text to the 'Authorised redirect URIs' section.
- Authorised redirect URIs**: A section with a question mark icon. Below it is the text 'For use with requests from a web server'. There is a text input field labeled 'URIs 1 *' containing 'http://localhost:8080/'. Below the field is a '+ ADD URI' button.
- Note**: A note at the bottom says 'Note: It may take five minutes to a few hours for settings to take effect'.
- Buttons**: At the bottom are 'CREATE' and 'CANCEL' buttons. An arrow points to the 'CREATE' button with the text 'Click on Create button to create this credentials'.

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"/>	Odoo BACkup Files	22 Nov 2022	Web application	391096182118-fpcs...	
<input type="checkbox"/>	Odoo Backups	22 Nov 2022	Web application	391096182118-0d92...	
<input type="checkbox"/>	Drive Upload	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

Open: Auto Database Backup Rules ✕

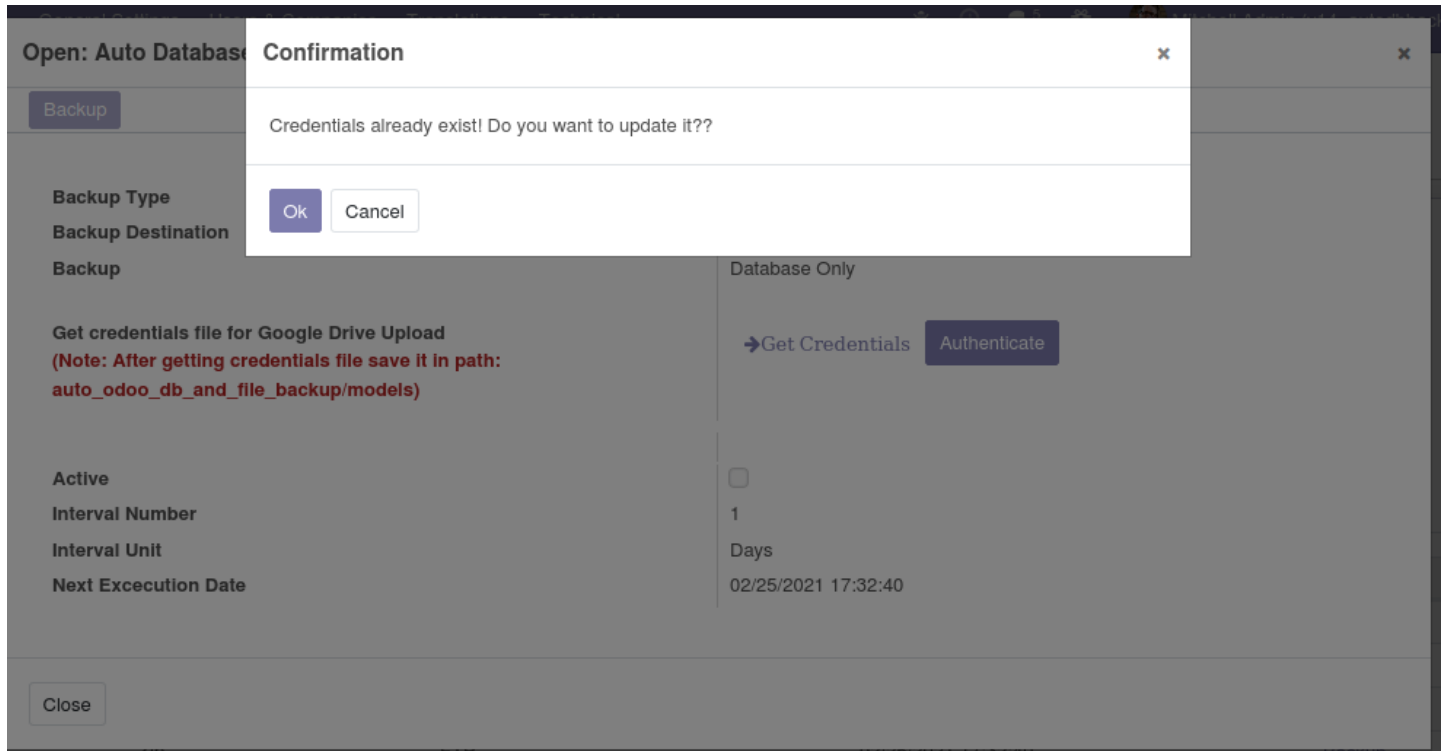
Backup

Backup Type	Dump
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 <button>Authenticate</button>	
Active	<input type="checkbox"/>
Interval Number	1
Interval Unit	Days
Next Excecution Date	02/25/2021 17:32:40

Close

After this you are able to get backup in Goggle 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:

Open: Auto Database Backup Rules

Backup Type	Zip
Backup Destination	Dropbox
Backup	Database Only
App key	8awwku5iawquhom
App secret
Get an authorization code	Get Authorization Code
Authorization Code	11QZDP3EtFgAAAAAAAAAAI3GiyKTnMxX2SA0dXN-cy24
Get Refresh token after generating an authorization code	Generate Refresh Token
Dropbox Refresh Token	j78cm7uzgXcAAAAAAAAAAAcobi4y_y2JmjFWM8FnLHnICzZqqp0Io30wie7RAhxYS
Active	<input checked="" type="checkbox"/>
Interval Number	1
Interval Unit	Days
Next Execution Date	04/14/2022 17:30:00

[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,

1. Choose an API

☐

Scoped access **New**
Select the level of access your app needs to Dropbox data. [Learn more](#)



2. Choose the type of access you need

3. Name your app

[Create 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:



The image shows a web browser window titled "Odoo". Inside the window, there is a link that says "Get Authorization Code --> Get Authorization Code". Below this link is a text input field with the label "Authorization Code". At the bottom of the window, there are two buttons: "Confirm" and "Cancel".

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 dropbox)

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:

Open: Auto Database Backup Rules

Backup

Backup Type

Zip

Backup Destination

FTP

Backup

Database and Files

Files Path

/opt/odoo13/custom

FTP Address

ftp.iconteam.tk

FTP Port

21

FTP Username

odoo@iconteam.tk

FTP Password

FTP Path

/

Test FTP Connection

Active

☒

Interval Number

1

Interval Unit

Days

Next Excecution Date

10/17/2020 12:08:58

Save

Discard

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:

Open: Auto Database Backup Rules ✕

Backup

Backup Type
Backup Destination
Backup

SFTP Host
SFTP User
SFTP Key File Path(Use .pem File)
SFTP Path

Test SFTP Connection

Active
Interval Number
Interval Unit
Next Execution Date

Zip

SFTP

Database Only

167.172.153.143

root

Upload your file

/var/www/html/new

☐

1

Days

11/27/2020 16:47:57

Save

Discard

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:

The screenshot shows a web-based configuration window titled "Open: Auto Database Backup Rules". It features a "Backup" tab. The configuration fields are as follows:

- Backup Type:** Zip
- Backup Destination:** AWS S3
- Backup:** Database and Files
- Files Path:** /opt/odoo/odoo/custom
- App Key:** (empty text field)
- Secret Key:** (empty text field)
- Bucket Name:** (empty text field)
- Active:** ☒
- Interval Number:** 1
- Interval Unit:** Days

At the bottom of the form are "Save" and "Discard" buttons.

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.

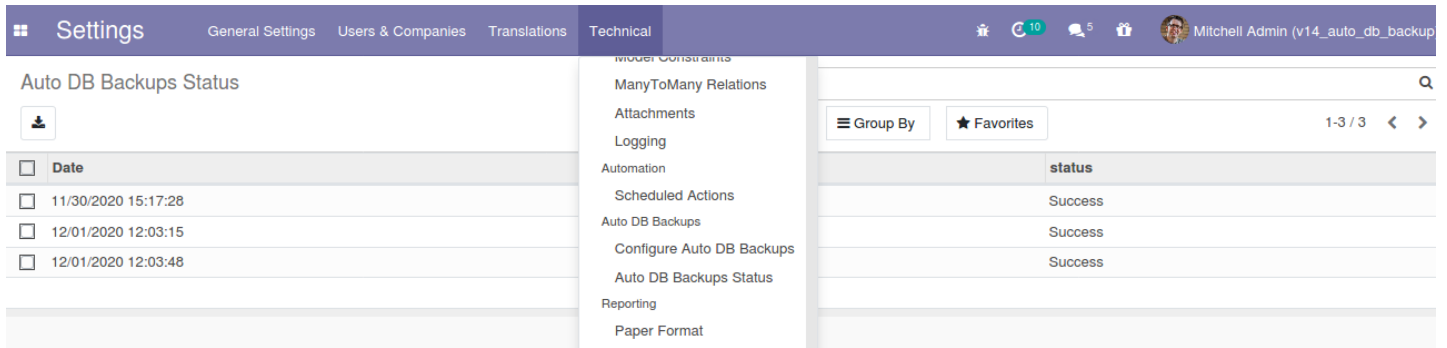
Set Failed Backup Notification if you want to get notification about failed database backup in your mail. Set email in Failed Backup Notification field.

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:



The screenshot displays the 'Auto DB Backups Status' page within the 'Settings' application. The 'Technical' tab is selected, and the 'Auto DB Backups Status' sub-tab is active. The page shows a list of backup statuses under the 'Date' column. The status column shows 'Success' for all three entries.

Date	Status
11/30/2020 15:17:28	Success
12/01/2020 12:03:15	Success
12/01/2020 12:03:48	Success