

# ARVASI DOCUMENT

## **I – Describe task:**

- Write a module which allow users to send email from Odoo server to mail server by Restful API, instead of SMTP as default.
- Build a demo flask server which can receive data from Odoo server.

## **II – Programs:**

- Environment: Ubuntu 18.04, python 3
- Flask server.
- Odoo (version 12 community)
- Postman (To check received data)

## **III – Describe modules:**

1- Flask server includes:

- app.py: initialize server.
- routes/request\_api.py: The functions for API, here we've just created a GET and a POST request.
- requirements.txt: File describes the required libraries.

2- Module send\_mail\_nadim (in odoo):

- models/ir\_mail\_server: Prepare data and send them to server.
- views/out\_going\_server.xml: Setup view for restful in outgoing mail

server.

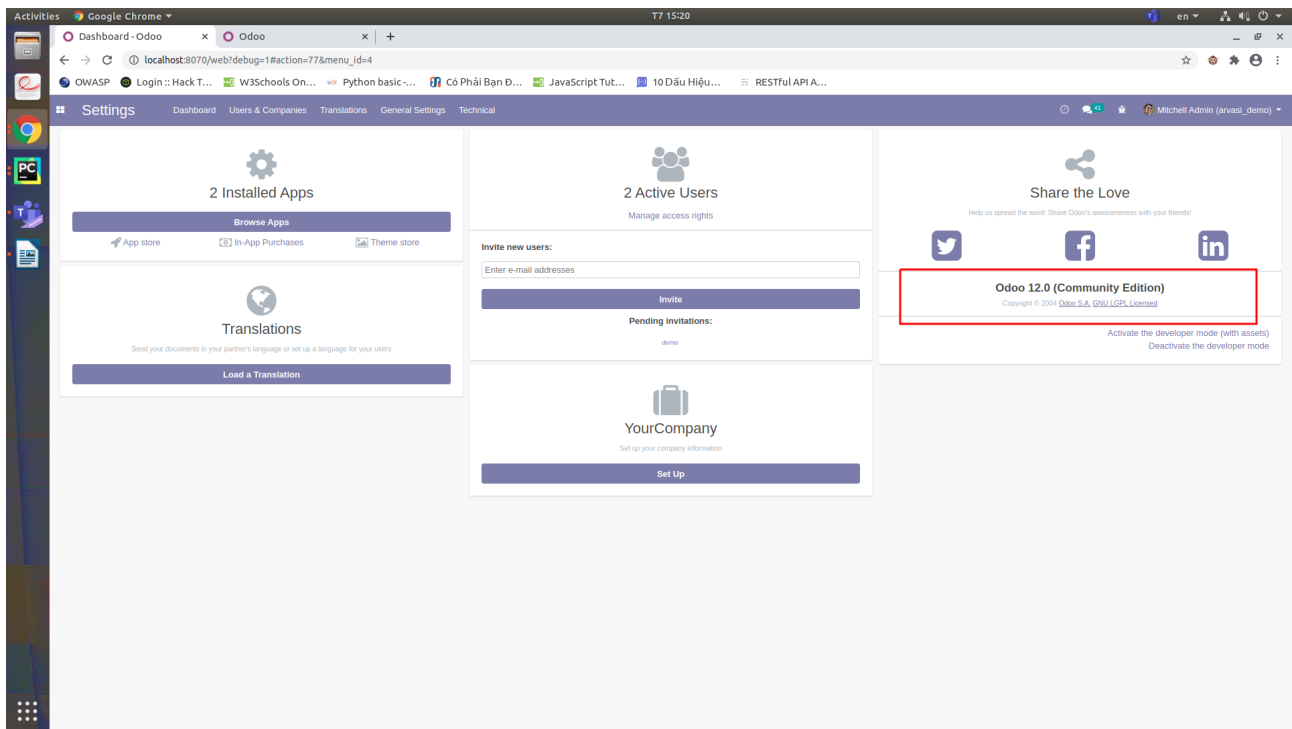
## **IV - Running:**

### **A- Running mail server:**

- From folder "Flask\_server", install required library by command:  
pip3 install -r requirements.txt
- Run server: python3 app.py

### **B- Setup in odoo:**

- 1- Install environment (odoo v12, python,...)



## 2- Setting outgoing mail server:

- Active developer mode, go to **Setting >>> Technical >>> Outgoing mail servers**.

- Create new restAPI server:

+ Create server, choose server type **Rest API** and enter parameters, in here we configured as below.

Note: Odoo will default use the mail server with lower priority, so please set Restful server 's priority lower then default SMTP server.

Description	Restful Mail Server	Server Type	Rest API
Priority	1		
<b>Connection Information</b>			
Restful API Uri	http://localhost	Port	5,000
Resource Path	/emailmessages		
<b>Security and Authentication</b>			
Connection Security	None		
Username			
Password			
<input type="button" value="Test REST Connection"/>			

## C - Demo sending an email:

- Setup address for mails.
- Send a mail:

☐ Print

☐ Send by Post

☒ Email

Recipients

Followers of the document and

(Azure Interior, Colleen Diaz ✖) Add contacts to notify..

Subject

YourCompany Invoice (Ref INV/2020/0002)

Dear Colleen Diaz (Azure Interior)

Here is your invoice INV/2020/0002 amounting in 165.00 € from YourCompany. This invoice is already paid.

Do not hesitate to contact us if you have any question.

Invoice\_INV\_2020\_0002.pdf✖



Use template

Invoice: Send by email

- Use **Postman**, with method **GET** to check the result in Restful server:

GET http://localhost:5000/emailmessage

Send Save

Params Authorization Headers (8) Body ● Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (4) Test Results

Status: 200 OK Time: 19 ms Size: 60.74 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "<319964338452186.1599295547.525539636611938-openerp-2-account.invoice@bangphan-BnK>": {
3     "body": "<table border=\"0\" cellpadding=\"0\" cellspacing=\"0\" style=\"padding-top: 16px; background-color: #F1F1F1; font-family: Verdana, Arial, sans-serif; color: #454748; width: 100%; border: 1px solid #F1F1F1;\">
4       <div style=\"text-align: center; font-weight: bold; font-size: 12px; color: #454748; margin-bottom: 10px;\">
5         <div style=\"display: inline-block; width: 40%;\">
6           <div style=\"border: 1px solid #F1F1F1; padding: 2px 5px; display: inline-block;\">Colleen Diaz</div>
7         </div>
8       </div>
9       <div style=\"text-align: center; font-weight: bold; font-size: 12px; color: #454748; margin-bottom: 10px;\">
10        <div style=\"display: inline-block; width: 40%;\">
11          <div style=\"border: 1px solid #F1F1F1; padding: 2px 5px; display: inline-block;\">YourCompany Invoice (Ref INV/2020/0002)</div>
12        </div>
13      </div>
14    }
15  }
16  "messageId": "1",
17  "recipientId": "20200905<319964338452186.1599295547.525539636611938-openerp-2-account.invoice@bangphan-BnK>",
18  "subject": "YourCompany Invoice (Ref INV/2020/0002)",
19  "systemId": "1"
20 }
```