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Introduction

Mayan EDMS (Electronic Document Management System) is a powerful, open-source platform for storing, managing, and organizing digital documents in a secure and centralized manner. It offers advanced features such as full-text search, metadata management, version control, automated workflows, and fine-grained access control through users, groups, roles, and permissions. Designed with scalability and flexibility in mind, Mayan EDMS can handle a wide range of document types and integrates seamlessly with existing business processes. Its Docker-based deployment makes installation and maintenance straightforward, while its web-based interface ensures that documents are accessible from anywhere, at any time. This makes it an ideal solution for organizations seeking to streamline document handling, improve collaboration, and ensure compliance with information governance policies.

STEP-BY-STEP INSTALLATION FOR MAYAN EDMS (Docker Compose on Ubuntu)

Install Docker

Command: wget-qO-https://get.docker.com/ | sh

```
-VirtualBox:~$ wget -qO- https://get.docker.co
m/ | sh
# Executing docker install script, commit: 8555c7c554f6c7e4
b2e67dd644b4dc46297330c2
+ sudo -E sh -c apt-get -qq update >/dev/null
+ sudo -E sh -c DEBIAN FRONTEND=noninteractive apt-get -y
gg install ca-certificates curl >/dev/null
+ sudo -E sh -c install -m 0755 -d /etc/apt/keyrings
+ sudo -E sh -c curl -fsSL "https://download.docker.com/lin
ux/ubuntu/gpg" -o /etc/apt/keyrings/docker.asc
+ sudo -E sh -c chmod a+r /etc/apt/keyrings/docker.asc
+ sudo -E sh -c echo "deb [arch=amd64 signed-by=/etc/apt/ke
yrings/docker.asc] https://download.docker.com/linux/ubuntu
noble stable" > /etc/apt/sources.list.d/docker.list
+ sudo -E sh -c apt-get -qq update >/dev/null
+ sudo -E sh -c DEBIAN FRONTEND=noninteractive apt-get -y -
gg install docker-ce docker-ce-cli containerd.io docker-com
pose-plugin docker-ce-rootless-extras docker-buildx-plugin
docker-model-plugin >/dev/null
+ sudo -E sh -c docker version
Client: Docker Engine - Community
 Version:
                    28.3.3
 API version:
                    1.51
 Go version:
                    qo1.24.5
 Git commit:
                    980b856
 Built:
                    Fri Jul 25 11:34:09 2025
                    linux/amd64
 OS/Arch:
```

• Once done, check installation:

Command:

docker --version docker compose version

```
VirtualBox:~$ docker --version

Docker version 28.3.3, build 980b856

VirtualBox:~$ docker compose version

Docker Compose version v2.39.1

VirtualBox:~$
```

 Create a working directory Command :

> mkdir ~/mayan-edms cd ~/mayan-edms

```
VirtualBox:~$ mkdir ~/mayan-edms
VirtualBox:~$ cd ~/mayan-edms
```

 Download the Mayan EDMS Docker Compose files Command :

curl https://gitlab.com/mayan-edms/mayan-edms/-/raw/master/docker/docker-compose.yml -O

curl https://gitlab.com/mayan-edms/mayan-edms/-/raw/master/docker/.env -O

```
VirtualBox:~/mayan-edms$ curl https://gitlab.
com/mayan-edms/mayan-edms/-/raw/master/docker/docker-compos
e.yml -0
curl https://gitlab.com/mayan-edms/mayan-edms/-/raw/master/
docker/.env -0
             % Received % Xferd Average Speed
  % Total
                                                 Time
       Time
            Current
me
                                 Dload
                                        Upload
                                                 Total
                                                         Sp
       Left Speed
ent
  0
        0
                        0
                                     0
100 14983 100 14983
                        0
                                 30688
                              0
-:-- --:-- 30702
  % Total
           % Received % Xferd Average Speed
                                                 Time
                                                         Τi
       Time Current
me
                                 Dload
                                        Upload
                                                 Total
       Left Speed
ent
  0
        0
             0
                   0
                        0
                              0
                                     0
                2741
100
     2741
           100
                        0
                              0
                                  6486
           VirtualBox:~/mayan-edms$
```

• Check if they downloaded correctly:

```
Command: Is-la

VirtualBox:~/mayan-edms$ ls -la

total 28

drwxrwxr-x 2 utrcsl utrcsl 4096 Jul 30 20:44 .

drwxr-x--- 16 utrcsl utrcsl 4096 Jul 30 20:43 ..

-rw-rw-r-- 1 utrcsl utrcsl 14983 Jul 30 20:44 docker-compo
se.yml

-rw-rw-r-- 1 utrcsl utrcsl 2741 Jul 30 20:44 .env
```

Start the containers
 Command: sudo docker compose up --detach

```
up --detach
[+] Running 39/39

✓ rabbitmq Pulled

✓ app Pulled

✓ postgresql Pulled

✓ redis Pulled

✓ redis Pulled

✓ restable Pulled

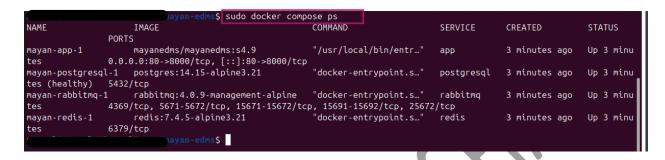
✓ redis Pulled

✓ redis Pulled
```

```
🗸 Network mayan mayan
                                 Created
✓ Volume "mayan_postgres-initdb"
                                 Created
✓ Volume "mayan_rabbitmq"
                                 Created
✓ Volume "mayan app"
                                 Created
✓ Volume "mayan redis"
                                 Created
✓ Volume "mayan_postgres"
                                 Created
✓ Container mayan-redis-1
                                 Started
✓ Container mayan-postgresql-1
                                 Started
✓ Container mayan-app-1
                                 Started
✓ Container mayan-rabbitmg-1
                                 Started
   VirtualBox:~/mayan-edms$
```

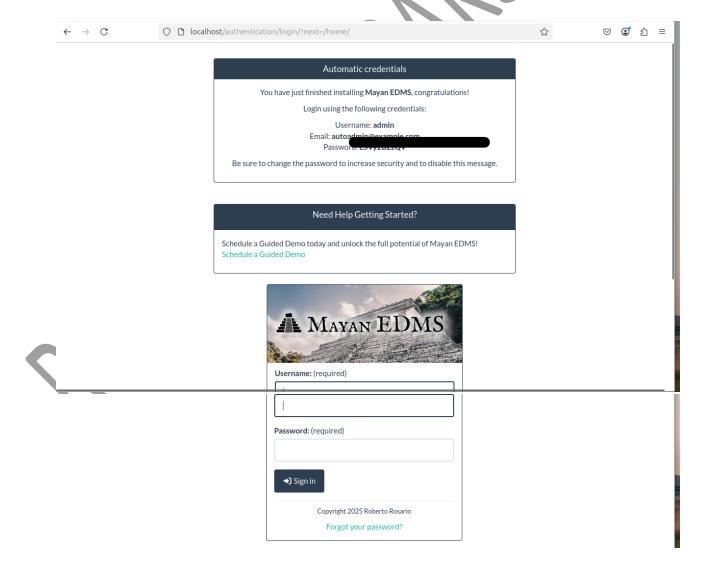
Verify its working

Command: docker compose ps



Try accessing localhost

Command: http://localhost

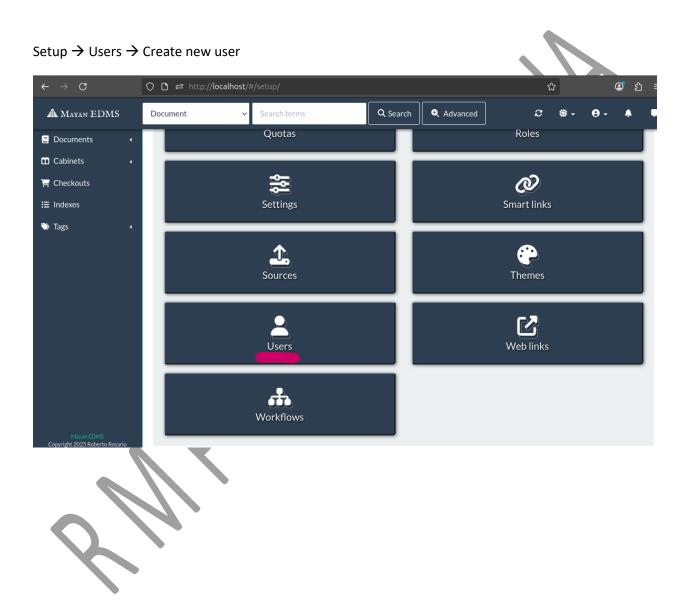


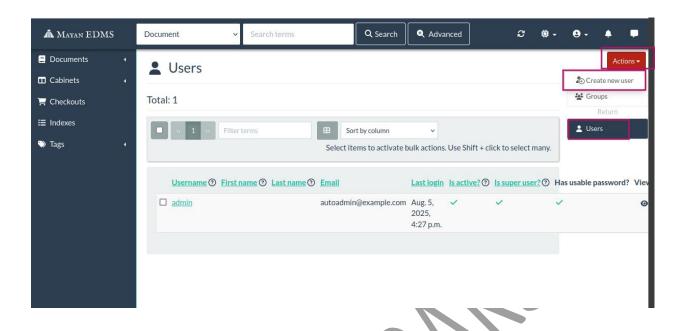
• Start (Compose Up)

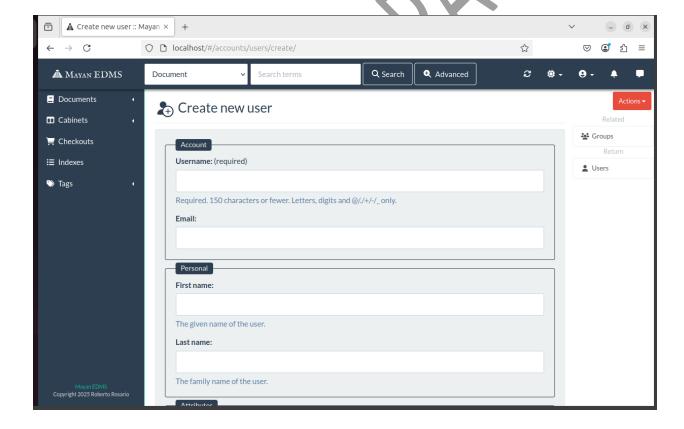
Command: sudo docker compose up -detach

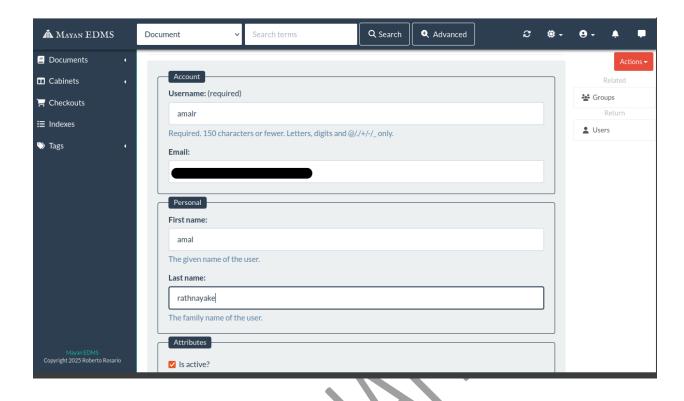
Access Control Setup

Create Users







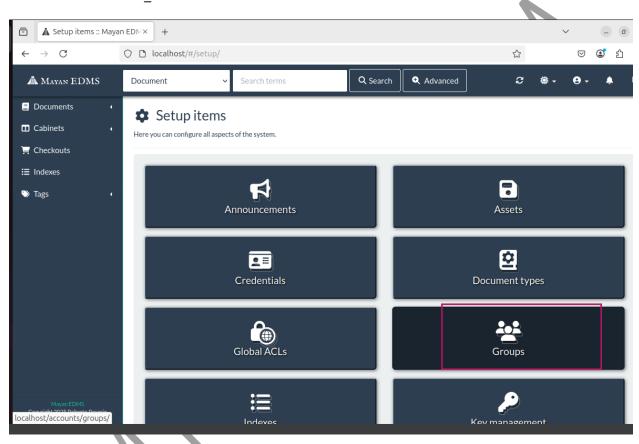


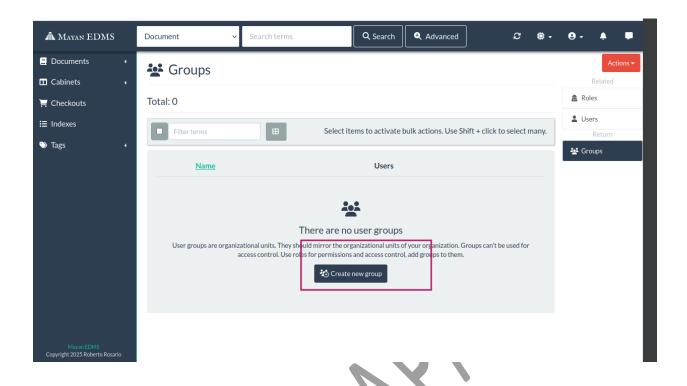
Create Groups

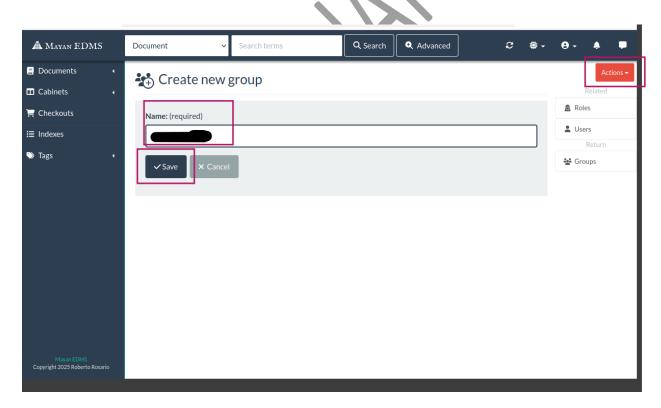
• Setup → Groups → Create new group

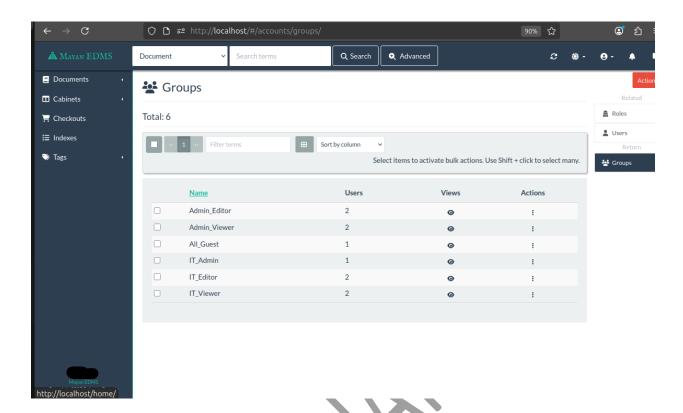
Example:

- o IT_Editor
- o Admin_Viewer





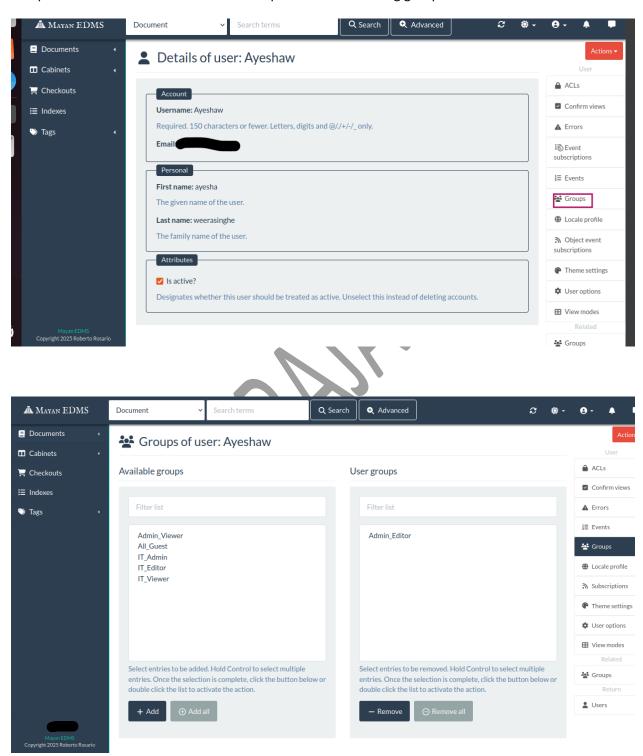




I have created Admin_editor , admin_viewer, IT_editor and more.

• Assign Users to Groups (Divisions)

Setup \rightarrow Users \rightarrow Click on the user \rightarrow Groups tab \rightarrow Add existing group \rightarrow Choose

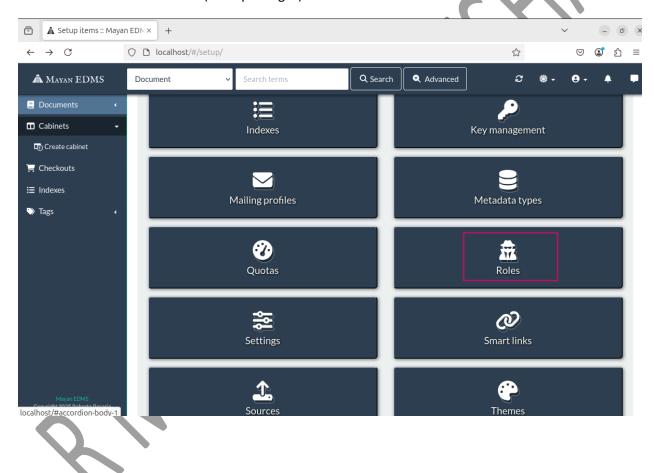


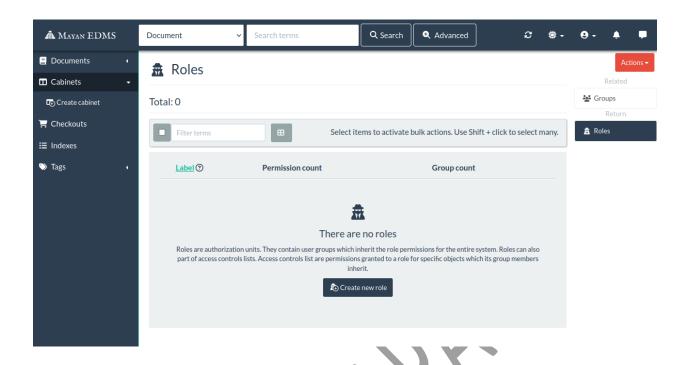
Create Roles

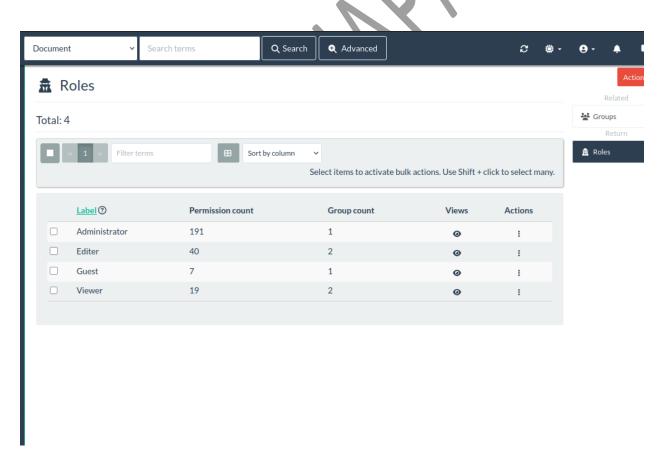
Setup → Roles → Create new Roles

Example:

- Guest (least privileges)
- Viewer (less privileges)
- o Editor (more privileges)
- o Administrator (most privileges)

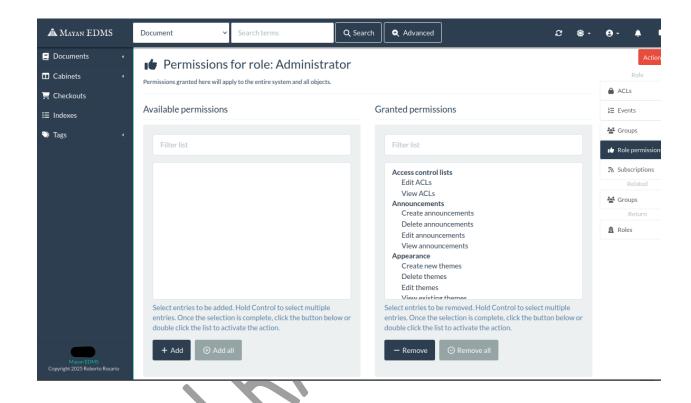




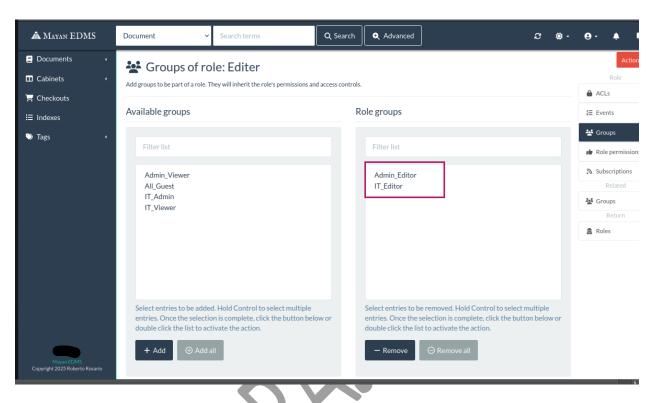


• Assign Permissions to Roles

Click the Permissions tab → Grant new permission



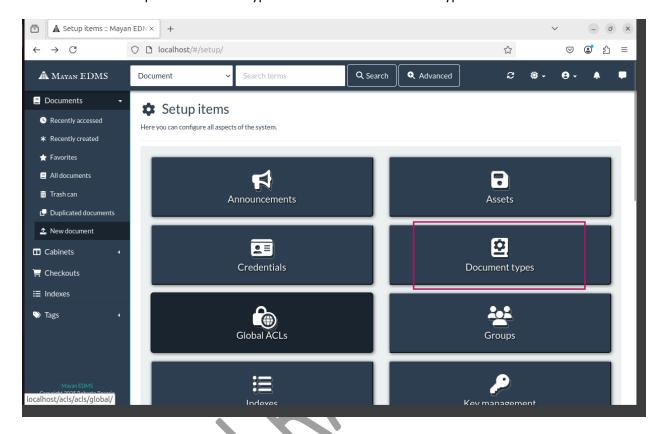
- Assign Groups to Roles
 - Go to the Groups tab → Add existing group → Select groups

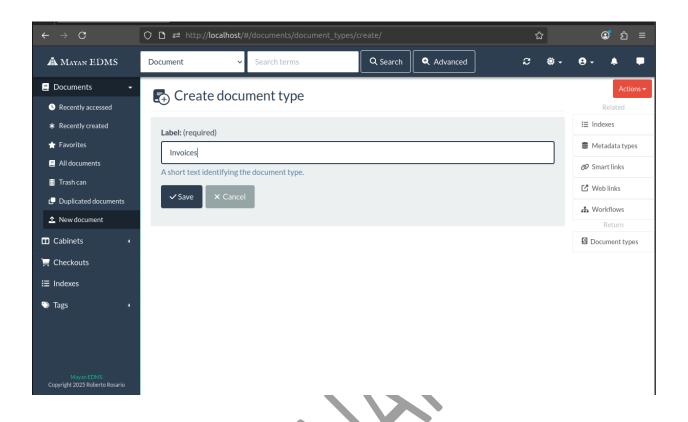


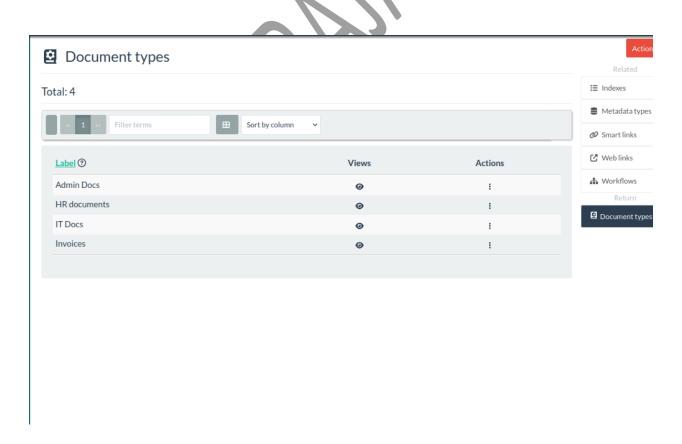
- In Mayan EDMS, users gain permissions through groups.
- Roles are assigned to groups, not directly to users.
- A user **inherits all roles** from the groups they belong to.
- There is **no primary role**; users can have **multiple roles** at the same time.
- Permissions from all roles are combined.
- Process flow:
 - Create users.
 - Assign users to groups.
 - Assign groups to roles.
 - o All users in the group automatically get the permissions of the assigned role(s).

Create Document Types

Setup → Documents Type → Create new Documents Type







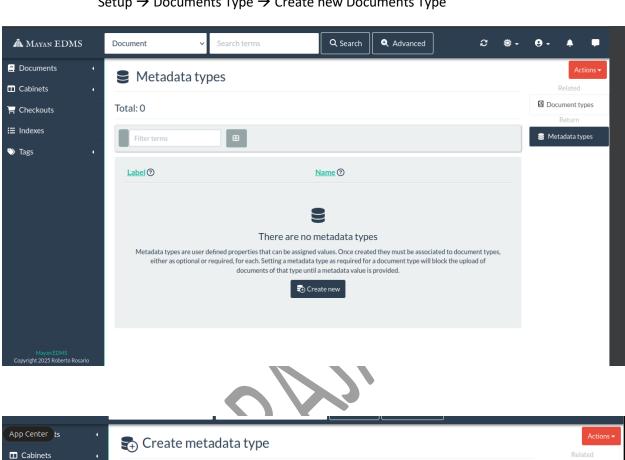
• Assign ACLs to Document Types

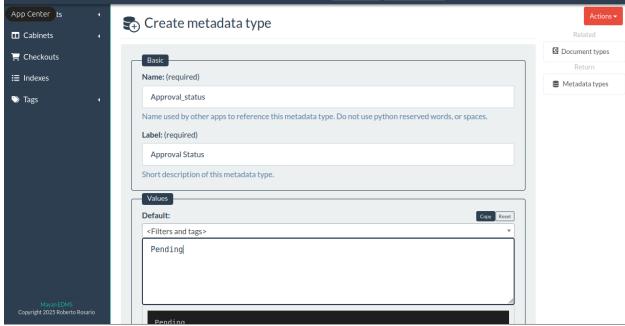
Click on ACL tab → Add ACL → Select a role

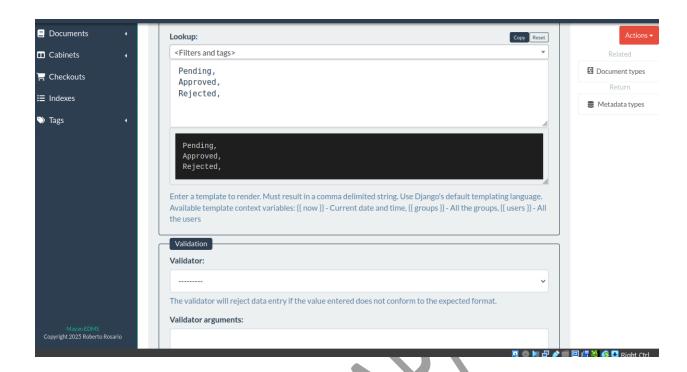


Change Data Types

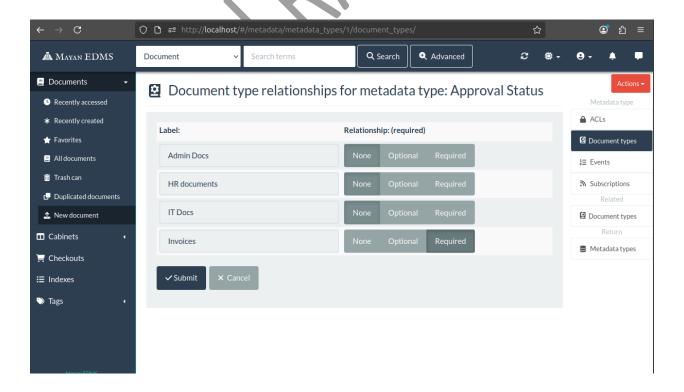
Setup → Documents Type → Create new Documents Type



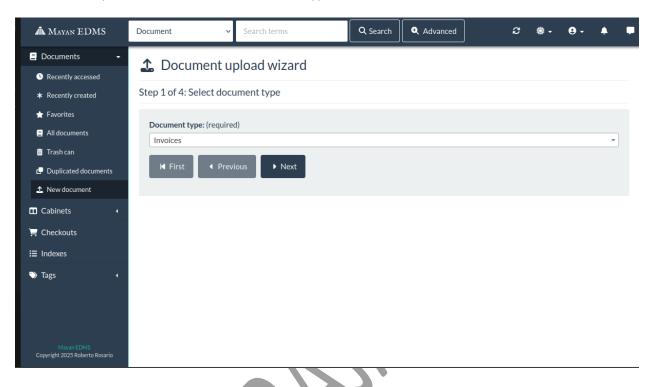


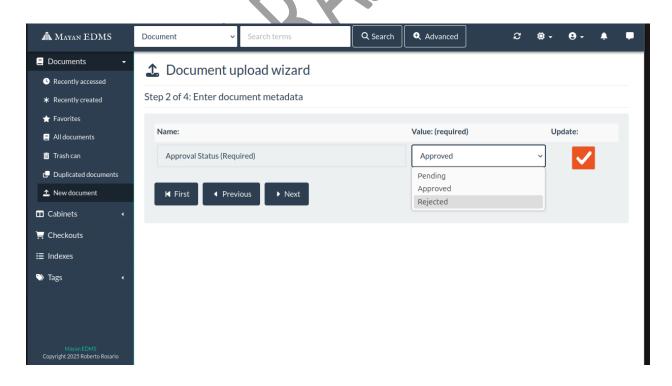


Add this Metadata Type to a document



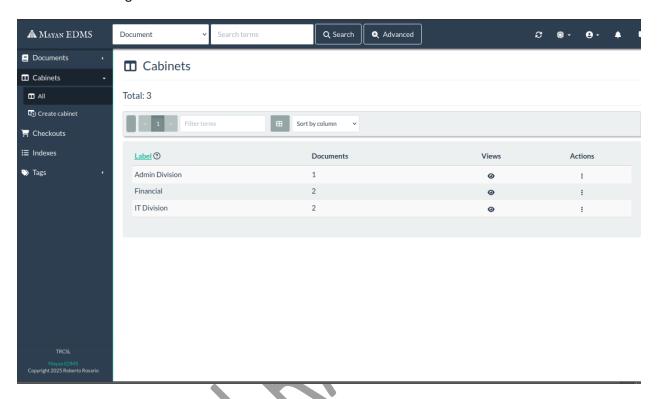
• Let's upload a document to the 'Invoice' type.



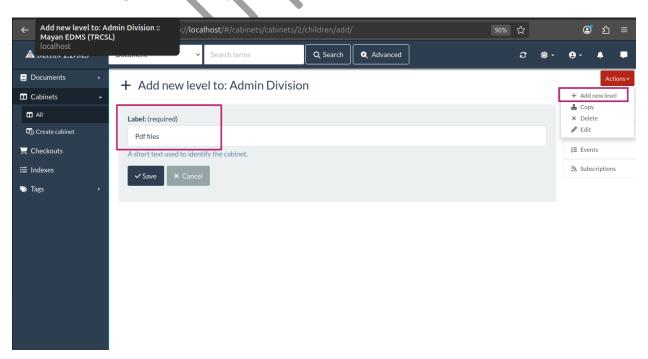


Create Cabinets

Create cabinet → give the name of the cabinet

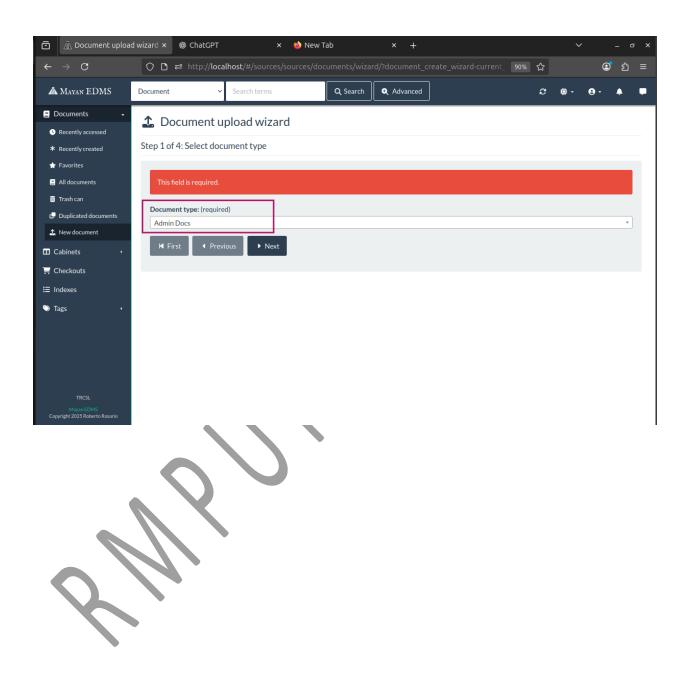


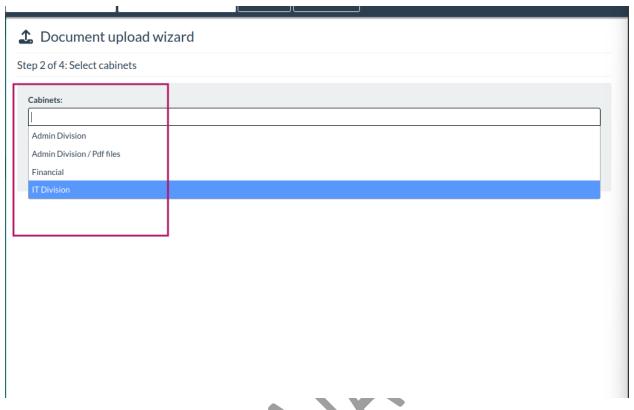
• You can organize cabinets by divisions and create sub-levels if needed.

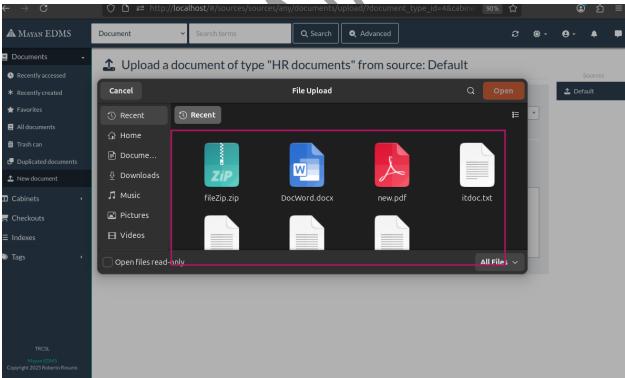


Upload Documents

New document \rightarrow select document type \rightarrow select Cabinet \rightarrow choose the document



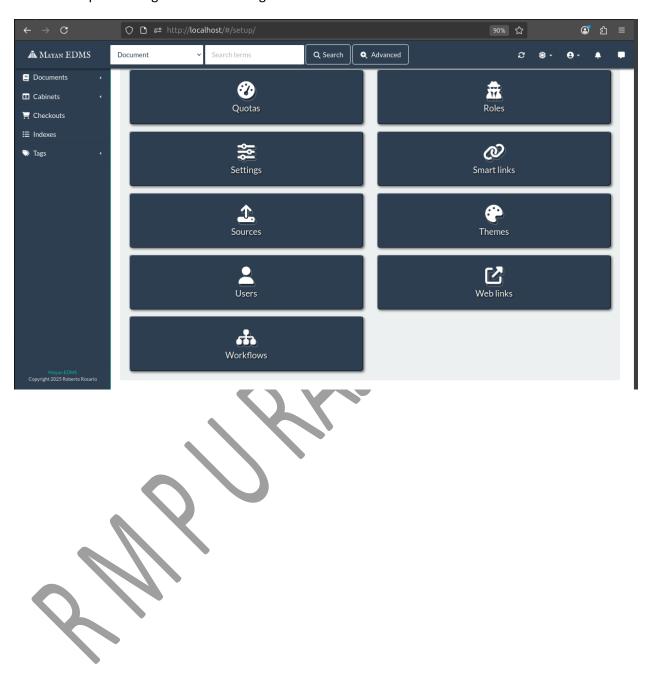


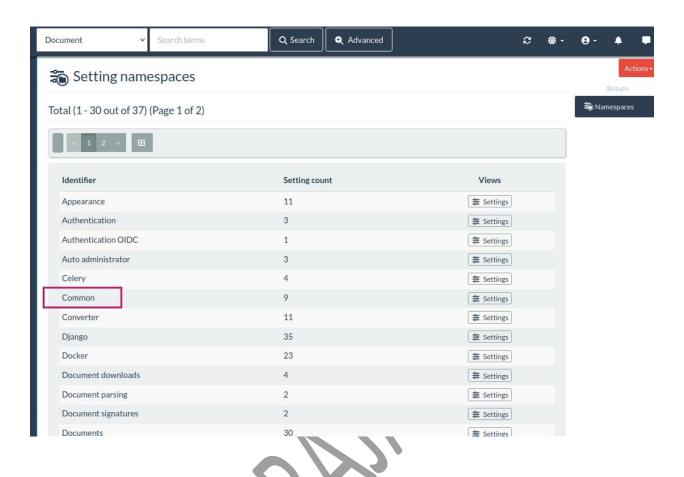


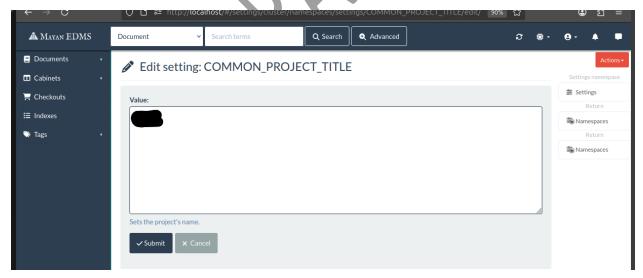
- You can see it support all documents types including **pdf** files , **zip** files , and also **word** files too.
- Default max upload file size: 2 GB, as enforced by Dropzone.js

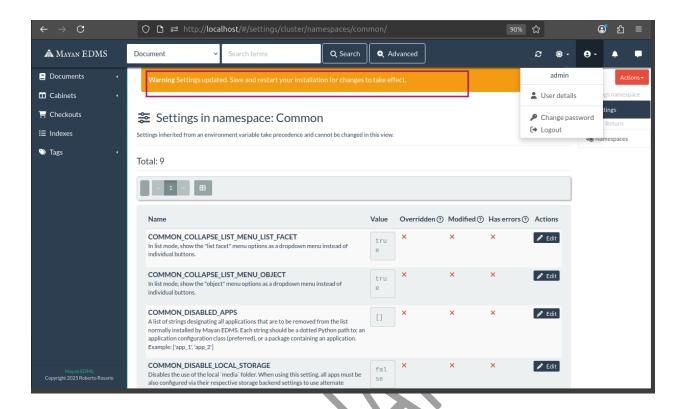
Change name

• Setup \rightarrow settings \rightarrow common \rightarrow give the name \rightarrow



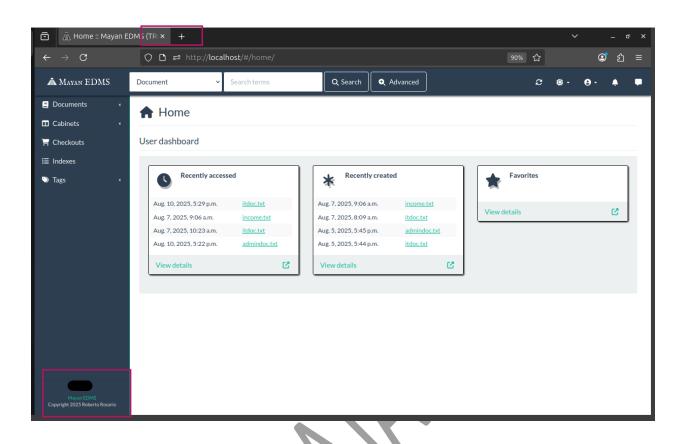






• Finally, restart Mayan EDMS to apply changes.

Command: sudo docker compose restart



Conclusion

By following this guide, you have successfully installed and configured **Mayan EDMS** on Ubuntu using Docker Compose, set up users, groups, roles, and permissions, and created document types, metadata, and cabinets. With its robust access control, metadata management, and search capabilities, Mayan EDMS provides a secure and efficient platform for organizing and managing documents. This setup not only streamlines document workflows but also ensures scalability, making it suitable for both small teams and large organizations. You can now further customize the system to meet your organization's specific needs and integrate it into your daily operations.