Oi360 PDF Splitter - Network PC Deployment Guide

✅ GOAL

Allow any guest user on Ubuntu 20.04/22.04/24.04 to:

- Run your PDF splitter script

- Drag and drop PDF files

- Split and save output to a network-safe location (like ~/PDF_Splitter_Output)

- Without needing admin/sudo access

✅ STEP-BY-STEP INSTRUCTIONS

🔧 1. Prepare the Host Machine (Developer PC)

On your machine (where the script works):

a. Organize Your Project Folder

Structure:

```
PlayWithPDF/
├── gui/
│   └── splitter_gui.py
├── pdf_utils/
│   └── splitter.py
├── main.py
└── requirements.txt
```

b. Add a requirements.txt file

Create a file named requirements.txt with this content:

PyQt5==5.15.10
PyPDF2==3.0.1

💾 2. Distribute the Folder to Guest PCs

Option 1: USB drive
- Copy the whole PlayWithPDF/ folder to a USB and paste it into guest's
~/Documents/.

Option 2: Shared Network Folder
- Host it on a shared Samba/NFS folder, or use scp or rsync to send it.

🐍 3. Set Up Python Environment (Once per PC)

Do this on each guest PC without root access:

a. Install venv (only once per PC)
If allowed (one-time sudo):

```
sudo apt install python3-venv -y
```

b. Create virtual environment and activate
Run the following:

```
cd ~/Documents/PlayWithPDF
python3 -m venv venv
source venv/bin/activate
```

c. Install dependencies

```
pip install -r requirements.txt
```

🚀 4. Run the Application
Inside the same terminal:

```
python main.py
```

Your GUI will launch.
Users can:
- Click "Select PDF" or drag & drop a PDF
- Fill in split ranges and file names

- Click Split & Rename PDFs
- Files are saved in ~/PDF_Splitter_Output/

✅ BONUS: Create Desktop Shortcut (Optional)

a. Create the file

nano ~/Desktop/PDFSplitter.desktop

Paste this content into the file:

[Desktop Entry]
Name=Oi360 PDF Splitter
Exec=/home/guestuser/Documents/PlayWithPDF/venv/bin/py
thon /home/guestuser/Documents/PlayWithPDF/main.py
Icon=utilities-terminal
Type=Application
Terminal=false

Adjust '/home/guestuser/' to the correct user path.

b. Make it executable

chmod +x ~/Desktop/PDFSplitter.desktop

✅ Summary

1. Prepare script folder with requirements
2. Copy folder to guest PCs
3. Create virtual environment & install packages
4. Run python main.py to launch
5. Optional: Create desktop shortcut