Introduction to Linux:

Designing Document Management System

Manual for implementing a workstation through a web-browser interface.

Bryan Yang

Table of Contents

[Introduction: 3](#_Toc108595077)

[Steps: 3](#_Toc108595078)

[1. Download the latest Ubuntu from the link below:1 3](#_Toc108595079)

[2. After installing Ubuntu, open the Ubuntu Terminal like image below:1 4](#_Toc108595080)

[3. Install Recoll using the code below:1 4](#_Toc108595081)

[4. Create a user to manage the indexing service called *recoll* with following code:1 4](#_Toc108595082)

[5. Create a directory to files.1 5](#_Toc108595083)

[6. Put desired PDFs in the directory:1 5](#_Toc108595084)

[7. Edit *recoll* conf file1 6](#_Toc108595085)

[8. Make the *recoll* user the owner of the directory: 6](#_Toc108595086)

[9. Run *recollindex* as user.1 7](#_Toc108595087)

[10. Install apache and required mod using code below:1 7](#_Toc108595088)

[11. Install webui using codes below:1 8](#_Toc108595089)

[12. Edit apache:1 9](#_Toc108595090)

[13. Restart apache using code below:1 10](#_Toc108595091)

[14. Open a browser on the host running recoll1 10](#_Toc108595092)

[Bibliography 10](#_Toc108595093)

## Introduction:

Manual for implementing a workstation through a web-browser interface.

All the workstations involved are connected to the same local network.

## Steps:

### Download the latest Ubuntu from the link below:1

<https://ubuntu.com/download>

\*Or a preferred Linux system. This manual will go over web-browser interface using Ubuntu.

Graphical user interface, application, website

Description automatically generated

### After installing Ubuntu, open the Ubuntu Terminal like image below:1

Text

Description automatically generated

### Install Recoll using the code below:1

*\*sudo apt install recoll python3-recoll*

\*Note: If the recoll package does not install successfully, execute the following code:

*sudo apt-get update*

After successfully installing the recoll, the terminal will display this window:

A screenshot of a computer

Description automatically generated with medium confidence

### Create a user to manage the indexing service called *recoll* with following code:1

*sudo adduser recoll*

Reference the image below:

A screenshot of a computer

Description automatically generated

### Create a directory to files.1

*/usr/share/shared\_docs/*

Reference the image below:

Text

Description automatically generated

### Put desired PDFs in the directory:1

*/usr/share/shared\_docs/*

Use wget to download the PDFs into the directory.

*sudo apt install wget*

*wget [options] [url]*

Reference the image below:

Text

Description automatically generated

### Edit *recoll* conf file1

Conf file located at */usr/share/recoll/examples/recoll.conf*. Change the *topdir* to not have trailing slash from *~* to */usr/share/shared\_docs*.

Reference the image below:

Text

Description automatically generated

Text

Description automatically generated

### Make the *recoll* user the owner of the directory:

*/usr/shrae/shared\_docs/*

Reference the image below:

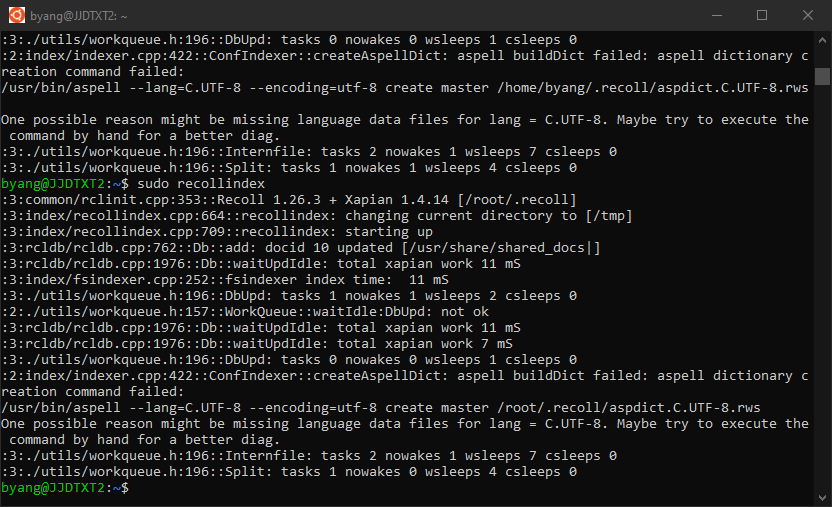
Text

Description automatically generated

### Run *recollindex* as user.1

Index the files in */usr/share/shared\_docs/*

Reference the image below:



### Install apache and required mod using code below:1

*sudo apt install apache2 libapache2-mod-wsgi-py3*

Reference the image below:

*Text

Description automatically generated*

*Text

Description automatically generated*

### Install webui using codes below:1

*cd /var/www/*

*sudo wget "https://framagit.org/medoc92/recollwebui/-/archive/master/recollwebui-master.tar.gz"*

*sudo tar -xzvf recollwebui-master.tar.gz*

Reference the image below:

Text

Description automatically generated

### Edit apache:1

*/etc/apache2/mods-enabled/wsgi.conf*

Reference the image below:

A picture containing text

Description automatically generated

Text

Description automatically generated

### Restart apache using code below:1

*sudo apachectl retart*

### Open a browser on the host running recoll1

At http://localhost/recoll/

Reference the image below:

Graphical user interface, application

Description automatically generated

## Bibliography

1. “Recoll WebUI with Apache and Nginx from Scratch.” Recoll webui with Apache and Nginx from scratch, 2022. https://www.lesbonscomptes.com/recoll/pages/recoll-webui-install-wsgi.html#apache.