OxOOL v5 community edition compiling on Ubuntu 24.04 HOWTO

1. First thing first, install a Ubuntu 24.04 server! Can it be run on Ubuntu 24.04 desktop? Yes, but why bother? :-)
2. Upgrade the system:

```
sudo apt update
sudo apt upgrade -y
```

3. Make sure you install OpenSSH and Vim (I'm a Vim guy! All right, but remember to install your favorite editor, okay?) and a couple of tools:

```
sudo apt install vim openssh-server net-tools curl git -y
```

4. Import OSSII public key

```
sudo curl -o /etc/apt/keyrings/OSSII.asc http://www.oxoffice.com.tw/deb/OSSII.key
```

5. Set up OxOOL repository

```
sudo curl -o /etc/apt/sources.list.d/oxool-community-v5-noble.list
http://www.oxoffice.com.tw/deb/oxool-community-v5-noble.list
```

6. Install software packages necessary for compiling OxOOL (use option apt install -y if you don't like to be asked everytime)

```
sudo apt update
sudo apt install oxoffice* libpoco-dev libgumbo-dev
sudo apt install -y build-essential libsqlite3-dev libcurl4-openssl-dev libcppunit-dev libcap-
dev libcap2-bin libgit2-dev libtool libpng-dev automake m4 wget autoconf pkg-config openssl
libgumbo-dev ccache fontconfig libfontconfig1-dev libpam-dev
sudo apt install -y devscripts debhelper dh-exec
```

```
sudo apt install -y libpcre16-3 libpcre3-dev libpcre32-3 libpcrecpp0v5
sudo apt install -y hunspell
sudo apt install -y python3-polib python3-lxml
```

7. Install and setup Node.js

```
cd ~
curl -fsSL https://deb.nodesource.com/setup_20.x -o nodesource_setup.sh
sudo -E bash nodesource_setup.sh
sudo apt install -y nodejs
```

8. Clone OxOOL-community code from GitHub and switch to branch `v5`

```
cd ~
git clone https://github.com/OSSII/oxool-community.git
cd oxool-community
git switch v5
```

9. For debug and developing, run autogen.sh directly WITHOUT running configure

```
cd oxool-community
./autogen.sh
```

It will enable debug options so that you can test and debug by running `make run`.

10. For installing, you can build deb packages with following command. The built deb packages will be one level up the compiling directory:

```
./autogen.sh
debuild -b -uc -us
cd ..
ls oxool*.deb
```

The generated deb files can be then installed in the system.

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