

how to setup a ssh keys for using gitlab in my ubuntu machine? If there's a way the laptop can store credentials on a per-session basis (forget them when you log out of the computer) that would be ideal?

1. Generate a New SSH Key Pair

If you don't already have an SSH key (or want a dedicated one for GitLab), open a terminal and run:

```
ssh-keygen -t ed25519 -C "your_email@example.com"
```

- If your system doesn't support Ed25519, you can use RSA:

```
ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
```

- When prompted for a file location, you can press **Enter** to accept the default (~/.ssh/id_ed25519 or ~/.ssh/id_rsa).
 - When asked for a passphrase, you can either set one for added security or leave it empty.
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2. Start the SSH Agent

Start the SSH agent in the background:

```
eval "$(ssh-agent -s)"
```

3. Add Your SSH Key with a Timeout

To store your SSH key for only the duration of your session, add it to the agent with a timeout. For example, to store the key for one hour (3600 seconds):

```
ssh-add -t 3600 ~/.ssh/id_ed25519
```

- This means that after one hour (or when you log out), the key will be forgotten and you'll need to add it again.
 - Adjust the timeout value as needed.
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4. Add Your Public Key to GitLab

1. Copy the Public Key:

If you have `xclip` installed, you can copy the key to your clipboard with:

```
xclip -sel clip < ~/.ssh/id_ed25519.pub
```

Otherwise, you can display it in the terminal and copy manually:

```
cat ~/.ssh/id_ed25519.pub
```

2. Add the Key to GitLab:

- Log in to your GitLab account.
- Go to **User Settings** (usually found under your profile picture).
- Navigate to **SSH Keys**.
- Paste your public key into the provided field and give it a descriptive title.
- Save the key.

5. Test Your SSH Connection

Finally, verify that everything is working:

```
ssh -T git@gitlab.com
```

- You should receive a welcome message confirming that authentication was successful.

By following these steps, your SSH key will be loaded into the agent only for the duration of your session. Once you log out or the timeout expires, you'll have to add it again, meeting your requirement for per-session credential storage.