

# INSTALASI EPRINTS 3.4.5 PADA DEBIAN 12 SERVER

1. Masuk sebagai user root

```
su - [enter]
```

```
Password: *root password *sesuai password root ketika instalasi awal debian [enter]
```

2. Install aplikasi dependensi Eprints

```
apt-get install perl libncurses5 libselinux1 apache2 libapache2-mod-perl2 libxml-libxml-perl \
libunicode-string-perl libterm-readkey-perl libmime-lite-perl libmime-types-perl libdigest-
sha-perl \
libdbd-mysql-perl libxml-parser-perl libxml2-dev libxml-twig-perl libarchive-any-perl
libjson-perl \
liblwp-protocol-https-perl libtext-unidecode-perl lynx wget ghostscript poppler-utils [enter]
antiword elinks \
texlive-base texlive-base-bin psutils imagemagick adduser tar gzip unzip libsearch-xapian-
perl \
libtex-encode-perl libio-string-perl libdbd-mysql-perl python3-html2text -y make
```

3. Install aplikasi database mariadb

```
apt-get install mariadb-server mariadb-client -y [enter]
```

4. Masuk ke aplikasi mariadb

```
mariadb [enter]
```

5. Tambahkan perintah di bawah untuk membuat username database Eprints

```
CREATE USER 'eprints'@'localhost' IDENTIFIED by 'rahasia'; [enter] (password 'rahasia' dapat
diganti sesuai
kebutuhan)
```

6. Tambahkan perintah di bawah untuk pengaturan hak akses database

```
GRANT ALL PRIVILEGES ON *.* TO 'eprints'@'localhost' WITH GRANT OPTION; [enter]
```

7. Keluar dari aplikasi mariadb

```
exit [enter]
```

8. Membuat user eprints

```
adduser eprints [enter]
```

Enter new UNIX passwords: rahasia [enter]

Retype new UNIX password: rahasia [enter]

Full Name []: [enter]

Room number []: [enter]

Work phone []: [enter]

Home phone []: [enter]

Other []: [enter]

Is the information correct? [y/n] y [enter]

9. Konfigurasi apache untuk dapat menjalankan pengguna Eprints dengan mengedit file envvars

buka file envvars dengan perintah sebagai berikut,

```
nano /etc/apache2/envvars [enter]
```

Kemudian Copy skrip berikut:

```
export APACHE_RUN_USER=eprints  
export APACHE_RUN_GROUP=eprints
```

pada bagian seperti di bawah klik kanan saja (di kasus jendela putty) untuk paste code

```
# Since there is no sane way to get the parsed apache2 config in scripts, some  
# settings are defined via environment variables and then used in apache2ctl,  
# /etc/init.d/apache2, /etc/logrotate.d/apache2, etc.  
export APACHE_RUN_USER=www-data  
export APACHE_RUN_GROUP=www-data  
export APACHE_RUN_USER=eprints  
export APACHE_RUN_GROUP=eprints
```

Simpan perubahan file konfigurasi apache dengan cara tekan [Ctrl + X]

dan kemudian ketikkan y [enter]

10. Download file source aplikasi Eprints

```
wget https://files.eprints.org/2789/1/eprints-3.4.5.tar.gz  
https://files.eprints.org/2789/2/eprints-3.4.5-flavours.tar.gz
```

[enter]

11. Ekstrak file source Eprints

```
tar xvfz eprints-3.4.5.tar.gz && tar xvfz eprints-3.4.5-flavours.tar.gz
```

[enter]

12. Pindah ke dalam folder Eprints

```
cd eprints-3.4.5
```

[enter]

13. Jalankan skrip konfigurasi Eprints

```
./configure
```

[enter]

14. Instalasi Eprints berdasarkan kompilasi dependensi

```
make install
```

[enter]

15. Pindah ke username eprints

```
su - eprints
```

[enter]

16. Pindah ke folder Eprints

```
cd /opt/eprints3
```

[enter]

17. Jalankan aplikasi eadmin untuk membuat repositori beserta setting Eprints

```
bin/eadmin create pub
```

[enter]

*Create a pub Repository*

*Please select an ID for the repository, which will be used to create a directory and identify the repository. Lower case letters, numbers and underscores, may not start with a number or underscore. examples: "repositori", "digilib" or "perpustakaan"*

Archive ID? repositori **[enter]**

*Ok. I've created the initial config files and directory structure.  
I've also created a "disk0" directory under documents/ if you want  
your full texts to be stored on a different partition then remove  
the disk0, and create a symbolic link to the directory you wish to  
store the full texts in. Additional links may be placed here to be  
used when the first is full.*

Configure vital settings? [yes] ? **[enter]**

*Please enter the fully qualified hostname of the repository.  
For a production system we recommend against using the real hostname of the  
machine.*

Example: repositori.footle.ac.uk

Hostname? **repositori.tes.ac.id [enter]** \*masukkan alamat lokal untuk memanggil aplikasi Eprints di  
browser

*Please enter the port of the webserver. This is probably 80, but you may wish  
to run apache on a different port if you are experimenting.*

Webserver Port [80] ? **[enter]**

*Enter a single hash (#) when you're done.*

Alias (enter # when done) [#] ? **[enter]**

*Please enter the path part of the repository's base URL. This should probably  
be '/'.*

Path [/] ? **[enter]**

*If you will use https for your user pages (including login) enter the https hostname  
here, or leave blank when using http only.*

HTTPS Hostname [] ? **[enter]**

Administrator Email? **muntashir.id@gmail.com [enter]** \*input alamat email sesuai kebutuhan

*Enter the name of the repository in the default language. If you wish to enter  
other titles for other languages or enter non ascii characters then you may  
enter something as a placeholder and edit the XML config file which this  
script generates.*

Archive Name [Test Repository] ? **UIN Imam Bonjol Repository**

*Enter the name of the organisation in the default language. Again, if you wish to enter  
other titles for other languages or enter non ascii characters then you may  
enter something as a placeholder and edit the XML config file which this  
script generates.*

Organisation Name [Organisation of Test] ? **UIN Imam Bonjol [enter]**

Write these core settings? [yes] ? **[enter]**

Configure database? [yes] ? **[enter]**

Database Name [repositori] ? **[enter]**

MySQL Host [localhost] ? **[enter]**

You probably don't need to set socket and port (unless you do!?).

MySQL Port (# for no setting) [#] ? **[enter]**

MySQL Socket (# for no setting) [#] ? **[enter]**

Database User [repositori] ? **[enter]**

Database Password [X4lFjc6Dp2h9zmlj] ? **[enter]**

Database Engine [InnoDB] ? **[enter]**

Write these database settings? [yes] ? **[enter]**

Create database "repositori" [yes] ? **[enter]**

Database Superuser Username [root] ? **eprints**

Database Superuser Password? **rahasia [enter]**

Create database tables? [yes] ? **[enter]**

Create an initial user? [yes] ? **[enter]**

Enter a username [admin] ? **[enter]**

Select a user type (user|editor|admin) [admin] ? **[enter]**

Enter Password? **rahasia [enter]**

Email? **muntashir.id@gmail.com**

Do you want to build the static web pages? [yes] ? **[enter]**

Do you want to import the LOC subjects and sample divisions? [yes] ? **[enter]**

Do you want to update the apache config files? (you still need to add the

'Include' line) [yes] ? **[enter]**

Add the following line to your apache configuration:

```
Include /opt/eprints3/cfg/apache.conf
```

You must restart apache for any changes to take effect!

-----  
That seemed to more or less work ...  
-----

Now make any required changes to the cfg files.

Note that changing the metadata configuration may require the database tables to be regenerated. eadmin erase\_eprints will regenerate the eprints and documents tables only. erase\_data will regenerate everything. (nb. these also do erase the contents of the tables, and any uploaded files).

Make sure that your main apache config file contains the line:

```
Include /opt/eprints3/cfg/apache.conf
```

Then stop and start your webserver:

Often:

```
/etc/rc.d/init.d/httpd stop
```

```
/etc/rc.d/init.d/httpd start
```

(or maybe /usr/local/apache/bin/apachectl graceful)

And then try connecting to your repository.

-----  
Don't forget to register your repository at <http://roar.eprints.org/>

18. Keluar dari pengguna Eprints

```
exit
```

[enter]

19. Buat file konfigurasi eprints.conf di apache

```
nano /etc/apache2/sites-available/eprints.conf
```

[enter]

Copy baris di bawah ke dalam file eprints.conf

**Include /opt/eprints3/cfg/apache.conf**

Klik kanan untuk paste baris tersebut

San simpan settingan konfigurasi dengan cara tekan [Ctrl + X] dan kemudian ketikkan **y [enter]**

20. Aktifkan konfigurasi virtual host dari aplikasi Eprints

```
a2ensite eprints [enter]
```

21. Muat ulang konfigurasi apache

```
systemctl reload apache2 [enter]
```

22. Non-aktifkan situs web default apache

```
a2dissite 000-default [enter]
```

23. Muat ulang konfigurasi apache

```
systemctl reload apache2 [enter]
```

24. Restart service apache

```
service apache2 restart [enter]
```

25. Install aplikasi net-tools untuk mengetahui informasi jaringan dari virtual machine

```
apt install net-tools [enter]
```

26. Tampilkan konfigurasi antarmuka jaringan, dan catat inet alamat IP

```
ifconfig [enter]
```

```
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.253.153 netmask 255.255.255.0 broadcast 192.168.253.255
    inet6 fe80::20c:29ff:fe4b:9846 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:4b:98:46 txqueuelen 1000 (Ethernet)
    RX packets 73 bytes 9758 (9.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 65 bytes 10352 (10.1 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

27. Tambahkan entri host pada **sistem operasi windows** agar hostname repositori yang terinstal di Debian (Virtual Machine) dapat diakses di browser windows.

1. **Buka Notepad sebagai Administrator:**

- Klik kanan pada ikon Notepad atau perangkat lunak teks editor lainnya.
- Pilih "Run as administrator."

2. **Buka File Hosts:**

- Di Notepad, pilih "File" > "Open".
- Navigasi ke direktori `C:\Windows\System32\drivers\etc\`
- Pilih opsi "All Files" di bagian bawah jendela.
- Pilih file `hosts` dan klik "Open".

3. **Tambahkan Entri Baru:**

- Di bagian akhir file `hosts`, tambahkan baris baru.
- Formatnya adalah `<alamat IP> <nama domain>`. Contoh: `192.168.253.153 repositori.tes.ac.id`

4. **Simpan Perubahan:**

- Simpan perubahan dengan menekan `Ctrl + S`.

28. Buka Browser (Chrome, Firefox, Edge, Opera dll.) dan coba akses

**repositori.tes.ac.id**