

Slackware Application

Running applications (@software) on Slackware... most are applicable to all distributions.

'Hidden' Application

There are a couple (a few?) of applications that I thought have great features but relatively unknown (I only knew about them after looking for specific solution). Here they are:

- xfig - nice app to create figures for use with latex
- xpaint - can do screen capture (xpaint -snapshot)

Apache (web server) Setup

Modify httpd config file:

- change document root to a folder my main user have full access
 - also create a link to it from my user account
- allow php to be indexed ⇒ add to directory index in dir_module
- enable php (towards the end of the file) ⇒ include mod_php.conf
- enable mod_rewrite (API server?) ⇒ LoadModule ... mod_rewrite.so
- optional: set serveradmin email and servername
- optional: to only serve locally, set listen localhost:80 ???

More modifications for https:

- enable loadmodule mod_ssl.so
- enable loadmodule mod_socache_shmcb.so
- generate private key:
 - `openssl genrsa -out privkey.pem 2048`
 - rsa private key with 2048-bit long modulus written to file
- generate cert:
 - `openssl req -new -x509 -key privkey.pem -out cacert.pem -days 1095`
- include httpd-ssl.conf
 - modify httpd-ssl.conf accordingly...

mariadb/mysql Setup

- run

mysql_install_db

- make sure permission given to user *mysql*

```
chown -R mysql:mysql /var/lib/mysql
```

- start daemon `rc.mysql`
- run

```
/usr/bin/mysql_secure_installation
```

- create specific database for specific app

```
create database app_db;
```

- create specific user for specific app and grant all access

```
grant all privileges on app_db.* to 'user_app'@'localhost' identified by 'pass_app';
```

- just formality, run

```
flush privileges;
```

- to additionally create specific user for specific app

```
create user 'user_app'@'localhost' identified by 'pass_app';
```

- recover root password:
- stop daemon `rc.mysql`
- run

```
# mysqld_safe --skip-grant-tables &
# mysql -u root
$ mysql -uroot -p
mysql> use mysql;
mysql> update user set password=PASSWORD('<newpass>') where
User='root';
mysql> flush privileges;
mysql> exit
```

Backup a DB:

```
mysqldump -p -u user userdb > userapp-$(date +%Y%m%d%H%M%S).sql
```

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Last update: **2025/01/12 13:26**