

# Server Test Cases

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## 1 Auth sub component

1. After installation ypserv package:

Start ypserv service from service manager. In order to be sure run the following command:

```
# service ypserv status
```

2. After installation yp-tools package:

After starting the ypserv service from service manager run the following commands and observe they run without any problem:

```
# su -  
# domainname localdomain  
# domainname  
# nisdomainname
```

3. After installation ypbind package:

Copy the above file under /etc directory:

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/server/auth/yp.conf  
# sudo cp yp.conf /etc/  
# sudo domainname localdomain
```

Start ypbind service from service manager. In order to be sure run the following command:

```
# service ypbind status
```

## 2 Mta sub component

1. After installation dovecot package:

Start dovecot service from service manager. In order to be sure run the following command:

```
# service dovecot status
```

With the following command observe that the service started from the dovecot user.

```
# ps aux|grep dovecot
```

Control the imap ve pop3 packages with the following commands:

```
# netstat -ln|grep 110  
# netstat -ln|grep 143
```

### 3 Web sub component

1. Following packages subject to installation test:

```
mod_dav_svn
```

2. After installation webalizer package:

Start apache service from service manager:

Copy the below file under /var/log/apache2 directory:

```
# wget http://cekirdek.pardus.org.tr/~semen/dist/test/server/web/access_log
```

Run the following command and open <http://localhost/webalizer/> page with firefox. Observe the apache usage graphics.

```
# sudo webalizer
```

3. After installation apache package:

- Start apache server from service-manager. Execute the following command and observe the service had started.

```
# service list
```

- Connect <http://localhost> on firefox and observe you connected correctly.
- Execute following command and observe output is 'Syntax Ok'.

```
# apachectl -M
```

4. After installation mod\_php package:

- Install phpmyadmin which is in Contrib repository.
- Start Apache and mysql servers from service-manager.
- Enter <http://localhost/phpmyadmin/> using firefox. (type root for username, password will be null)
- Observe Mysql header page is opened correctly.

### 4 Database sub component

1. After installation packages below:

```
postgresql-doc  
postgresql-lib  
postgresql-pl  
postgresql-server
```

Start postgresql server from service-manager. Observe with command below that server has been started.

```
# service postgresql-server status
```

Observe that processes work with postgres user:

```
# ps aux|grep postgres
```

Enter sql command line with using following command and execute the sql command at second line below:

```
# psql -h localhost -d postgres -U postgres  
# select * from information_schema.tables ;
```

Observe processes are worked correctly.

2. After installation firebird-superserver and firebird-client packages:

Restart your computer,

Start firebird-superserver from service-manager.

Execute following commands in order and observe they are working:

```
# cd /opt/firebird/examples/empbuild
# isql (2008 için)
# fb_isql (2009 için)

SQL> CONNECT employee.fdb user sysdba password masterkey;
SQL> show tables;
SQL> select *from COUNTRY
```

3. After installation mysql-client, mysql-server, mysql-lib packages:

- Start Mysql from service-manager, execute the following command and be sure the service is started.:

```
# service list
```

- Do desktop-eng.pdf qt-sql-mysql test.

4. After installation mysql-man-pages package:

Execute the following command and observe man page is opened correctly.

```
# man myisampack
```

## 5 Others

- After installation samba package:

- Start samba service from service manager. In order to be sure run the following command:

```
# service samba status
```

- Observe that the following command runs without any problem.

```
# sudo testparm /etc/samba/smb.conf
```

- Add the following information to /etc/samba/smb.conf file:

```
[public]
    path = /tmp
    public = yes
    only guest = yes
    writable = yes
    printable = no
```

- Restart the samba service from service manager.
- Observe that the following commands run without any problem.

```
smbclient //localhost/public
ls
```

- After installation dhcp package:

Try connect a network by using dhcp from network-manager. After that, execute the following command and observe you have connected the network.

```
# ping 4.2.2.1
```

- After installation bind and bind-tools packages:

```
# dig www.google.com
```

Execute the command and observe dns servers are listed correctly.