

# Alfresco Community 4.x Install Cookbook

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[http://docs.alfresco.com/community/concepts/welcome-infocenter\\_community.html](http://docs.alfresco.com/community/concepts/welcome-infocenter_community.html)



Alfresco comes with Postgres by default, but I prefer MySQL - hence this guide is for MySQL

## Requirements

### Alfreco

See link for newest requirements

### OS and Hardware Settings

**Virtual:** Why not - the benefist are huge

**Preferred OS:** Ubuntu LTS 64-bit

**Hardware:** At least 2 CPU's and at least 4 GB Ram

## Libs

Different Libs for image support (ImageMagick), SWFTools (Flash), etc

```
sudo apt-get install mysql-server ImageMagick GhostScript smbclient libjpeg62 libgif4
sudo apt-get install libice6 libsm6 libxt6 libxrender1 libfontconfig1 libcups2
sudo add-apt-repository ppa:jon-severinsson/ffmpeg
sudo apt-get update
sudo apt-get install ffmpeg

sudo apt-get install libart-2.0-2
wget http://archive.canonical.com/ubuntu/pool/partner/s/swftools/swftools_0.9.0-0ubuntu2_amd64.deb
chmod a+x swftools_0.9.0-0ubuntu2_amd64.deb
sudo dpkg -i swftools_0.9.0-0ubuntu2_amd64.deb
sudo rm swftools_0.9.0-0ubuntu2_amd64.deb
```

## LibreOffice

```
sudo apt-get install libreoffice
sudo apt-get install ttf-mscorefonts-installer fonts-droid
```

## Mail

SMTP Access for sending mail

IMAP Access for picking up mail

## Installation

### Prepare database

Create the Database

```
mysql> CREATE DATABASE alfresco CHARACTER SET utf8 COLLATE utf8_bin;
Query OK, 1 row affected (0.00 sec)
mysql> GRANT SELECT,INSERT,UPDATE,DELETE,CREATE,DROP,ALTER,INDEX on alfresco .* to alfresco@localhost
identified by '*****';
Query OK, 0 rows affected (0.00 sec)
mysql>
```

### Install binaries

Download Alfresco from <http://www.alfresco.com/products/community>

For the binary installer, JAVA is integrated.

```
root@myserver:~# ./alfresco-community-4.2.f-installer-linux-x64.bin ---mode text
Language Selection
Please select the installation language
[1] English - English
[2] French - Français
[3] Spanish - Español
[4] Italian - Italiano
[5] German - Deutsch
[6] Japanese - ???
[7] Dutch - Nederlands
[8] Russian - ???????
[9] Simplified Chinese - ???
[10] Norwegian - Norsk bokmål
[11] Brazilian Portuguese - Português Brasileiro
Please choose an option [1] :
-----
Welcome to the Alfresco Community Setup Wizard.
-----
Installation Type
[1] Easy - Installs servers with the default configuration
[2] Advanced - Configures server ports and service properties.: Also choose optional components to install.
Please choose an option [1] : 2
-----
Select the components you want to install; clear the components you do not want
to install. Click Next when you are ready to continue.
Java [Y/n] :
PostgreSQL [Y/n] :n
Alfresco : Y (Cannot be edited)
SharePoint [Y/n] :
Web Quick Start [y/N] :
Google Docs Integration [Y/n] :
LibreOffice [Y/n] :
Is the selection above correct? [Y/n]:
```

```

Installation folder
Please choose a folder to install Alfresco Community
Select a folder [/opt/alfresco-4.2.f]: /opt/alfresco
-----
Database Configuration
JDBC URL: [jdbc:postgresql://localhost/alfresco]: jdbc:mysql://localhost/alfresco
JDBC Driver: [org.postgresql.Driver]: com.mysql.jdbc.Driver
Database name: [alfresco]:
Username: []: alfresco
Password: :
Verify: :
-----
Tomcat Port Configuration
Please enter the Tomcat configuration parameters you wish to use.
Web Server domain: [127.0.0.1]:
Tomcat Server Port: [8080]:
Tomcat Shutdown Port: [8005]:
Tomcat SSL Port [8443]:
Tomcat AJP Port: [8009]:
-----
Alfresco FTP Port
Please choose a port number to use for the integrated Alfresco FTP server.
Port: [21]:
-----
Alfresco RMI Port
Please choose a port number for Alfresco to use to execute remote commands.
Port: [50500]:
-----
Admin Password
Please give a password to use for the Alfresco administrator account.
Admin Password: :
Repeat Password: :
-----
Alfresco SharePoint Port
Please choose a port number for the SharePoint protocol.
Port: [7070]:
-----
Install as a service
You can optionally register Alfresco Community as a service. This way it will
automatically be started every time the machine is started.
Install Alfresco Community as a service? [Y/n]:
-----
LibreOffice Server Port
Please enter the port that the LibreOffice Server will listen to by default.
LibreOffice Server Port [8100]:
-----
Setup is now ready to begin installing Alfresco Community on your computer.
Do you want to continue? [Y/n]:
-----
Please wait while Setup installs Alfresco Community on your computer.
Installing
0% _____ 50% _____ 100%
#####
-----
Setup has finished installing Alfresco Community on your computer.
View Readme File [Y/n]: n
Launch Alfresco Community Share [Y/n]: n

```

If You use MySQL, we need to copy in the driver (get it [here](#)) first to /opt/alfresco/tomcat/lib:

```
sudo cp mysql-connector-java-5.1.34-bin /opt/alfresco/tomcat/lib:
```

Then start alfresco:

```
sudo /etc/init.d/alfresco start

Using CATALINA_BASE:   /opt/alfresco/tomcat
Using CATALINA_HOME:   /opt/alfresco/tomcat
Using CATALINA_TMPDIR: /opt/alfresco/tomcat/temp
Using JRE_HOME:        /opt/alfresco/java
Using CLASSPATH:       /opt/alfresco/tomcat/bin/bootstrap.jar:/opt/alfresco/tomcat/bin/tomcat-juli.jar
Using CATALINA_PID:    /opt/alfresco/tomcat/temp/catalina.pid
Tomcat started.
/opt/alfresco/tomcat/scripts/ctl.sh : tomcat started
root@myserver:~#
```

See everything is ok:

```
root@myserver:~# tail -f /opt/alfresco/tomcat/logs/catalina.out
```

## Postinstall

Also review <http://docs.alfresco.com/community/concepts/prereq-opt-install.html>

### Move data

You can move the data dir /opt/alfresco/alf\_data to another location (Renaming is not recommended, the "alf\_data" name is in several config files all over)

```
/etc/init.d/alfresco stop
cd /opt/alfresco/
mv alf_data /data/
ln -s /data/alf_data .
/etc/init.d/alfresco start
```

### Correct Paths

Edit the /opt/alfresco/tomcat/shared/classes/alfresco-global.properties and check paths

### Enable CIFS

Edit the /opt/alfresco/tomcat/shared/classes/alfresco-global.properties

```
## CIFS ##
cifs.disableNativeCode=false
cifs.enabled=true
cifs.serverName=alfresco.myserver.dk
cifs.domain=MYSERVER
cifs.hostannounce=true
cifs.sessionTimeout=500
cifs.ipv6.enabled=false
cifs.tcpipSMB.port=445
cifs.netBIOSMB.namePort=137
cifs.netBIOSMB.datagramPort=138
cifs.netBIOSMB.sessionPort=139
cifs.WINS.autoDetectEnabled=true
```

### Test CIFS

With the SMB Client You can test and browse:

```

root@myserver: smbclient -U admin \\\127.0.0.1\\alfresco
Enter admin's password:
Domain=[MOS-EISLEY] OS=[Java] Server=[Alfresco CIFS Server 6.0.0]
smb: \> ls
.                  D            0   Tue Feb 26 18:39:48 2013
..                 D            0   Tue Feb 26 18:39:48 2013
__ShowDetails.exe  393216   Tue Feb 26 18:00:58 2013
__CheckInOut.exe   393216   Tue Feb 26 18:00:58 2013
__Alfresco.url     131     Tue Feb 26 18:00:58 2013
Data Dictionary    D            0   Tue Feb 26 08:10:23 2013
Guest Home         D            0   Tue Feb 26 08:10:10 2013
User Homes         D            0   Tue Feb 26 13:28:42 2013
Imap Attachments   D            0   Tue Feb 26 08:10:44 2013
Sites              D            0   Tue Feb 26 18:40:03 2013
65535 blocks of size 33553920. 32767 blocks available
smb: \>

```

## Enable FTP

Edit the `/opt/alfresco/shared/classes/alfresco-global.properties` (see <http://docs.alfresco.com/4.1/concepts/fileserv-ftp-props.html>)

```

### FTP Server Configuration ###
ftp.enabled=true
ftp.port=21
ftp.ipv6.enabled=false

```

## Other

### Proxy passing

There are good reasons for using an Apache or Traffic Manager in front of the Alfresco Installation, some are:

- No port changing (non-root users can assign to ports below 1024)
- Use of URL Rewrite
- Use of URL Blocking
- Use of Allow/Denial
- SSL offloading/handling outside the Confluence

See my example in [Apache2 Proxy Passing](#)

### Trashcan tweaking

Instead of having Alfresco putting deleted files into the `contentstore.deleted` directory, which has to be cleaned manually, read <http://blyx.com/2014/08/18/understanding-alfresco-content-deletion/> and add the amp <https://code.google.com/p/alfresco-trashcan-cleaner/> into `/opt/alfresco/amps/`

Edit the `/opt/alfresco/shared/classes/alfresco-global.properties`

```

system.content.eagerOrphanCleanup=true
trashcan.cron=0 30 * * * ?
trashcan.daysToKeep=1
trashcan.deleteBatchCount=1000

```

## Batch upload

[Batch upload to Alfresco sites via CIFS](#)

## Logfiles

### Logrotate

Set up logrotate to avoid ever growing catalina.out log file. Here **JIRA\_Home** is /opt/jira, logs are rotated daily and kept for 7 days:

#### **/etc/logrotate.d/confluence**

```
/opt/alfresco/tomcat/logs/catalina.out {  
    daily  
    rotate 7  
    compress  
    copytruncate  
    delaycompress  
    missingok  
    size 10M  
    notifempty  
}
```