

Alfresco Community 5.x Install Cookbook



Review the upgrades:

[Upgrade 5.0.0 to 5.0.d](#) and [Upgrade 5.0.d to 5.1](#) and [Upgrade 5.1 to 201605](#)

Or the newer [Alfresco Community 5.x Install Cookbook \(Ubuntu 16.04\)](#)

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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 benefits are huge

Preferred OS: Ubuntu LTS 64-bit (this is for a 14.04)

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

Libs

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

```
sudo apt-get install mysql-server ImageMagick GhostScript smbclient libjpeg62 libgif4
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 ALL 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.

MySQL Driver is at <http://dev.mysql.com/downloads/connector/j/>

```
chmod +x alfresco-community-5.0.c-installer-linux-x64.bin
./alfresco-community-5.0.c-installer-linux-x64.bin
```

```
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] : 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)
Solr1 [y/N] :
Solr4 [Y/n] :
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-5.0.c]: /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]:

Warning!

This environment is not configured optimally for Alfresco - please carefully

```

review this list before continuing.
While these issues will not prevent Alfresco from functioning, some product
features may be unavailable, or the system may not perform optimally.
Insufficient system RAM (4.0GB+): 3.86GB
Press [Enter] to continue:
-----
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%
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
root@afserver:~#

```

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.jar /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
```

If the database bootstrap fails due to Driver failure, Yo will see:

```

Caused by: java.lang.RuntimeException: Database connection failed: Cannot create JDBC driver of class 'com.
mysql.jdbc.Driver' for connect URL 'jdbc:mysql:localhost/alfresco'

```

Restart install

Easiest way to restart setup is to kill the java process and remove the install dir:

```

killall -9 java
rm -rf /opt/alfresco

```

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/shared/classes/alfresco-global.properties` and check paths

Enable CIFS

Edit the `/opt/alfresco/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.netBIOSsmb.namePort=137
cifs.netBIOSsmb.datagramPort=138
cifs.netBIOSsmb.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/tomcat/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/tomcat/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
}
```