

Installation of Jira on Ubuntu

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Steps to install Jira on Ubuntu 16.04

Install Java

Install MySQL

Steps to install Java 1.8.0_222

Login to the Ubuntu machine and switch to the root user, follow the below commands

```
sudo apt-get update
sudo apt-get install openjdk-8-jdk
java -version
javac -version
echo "JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64" | sudo tee -a /etc/environment
source /etc/environment
echo $JAVA_HOME
```

Steps to install MySQL 5.7.44

sudo apt-get install mysql-server
Add and change the below entries in /etc/mysql/mysql.conf.d/mysqld.cnf

```
bind-address = 0.0.0.0
character_set_server=utf8mb4
collation_server=utf8mb4_bin
default-storage-engine=INNODB
innodb_default_row_format=DYNAMIC
innodb_large_prefix=ON
innodb_file_format=Barracuda
innodb_log_file_size=2G
max_allowed_packet=256M
transaction-isolation=READ-COMMITTED
binlog_format=row
```

Save the changes and restart the mysql server

```
sudo service mysql restart
```

To check the MySQL versions run below commands

```
mysql -V
mysql Ver 14.14 Distrib 5.6.44, for Linux (x86_64) using EditLine wrapper
```

To create Jira user, login to MySQL as root

```
mysql -u root -p
CREATE USER 'jira_admin'@'localhost' IDENTIFIED BY '*****';
CREATE USER 'jira_admin'@'%' IDENTIFIED BY '*****';
CREATE DATABASE jiradb CHARACTER SET utf8mb4 COLLATE utf8mb4_bin;
GRANT ALL PRIVILEGES ON . TO 'jira_admin'@'%' IDENTIFIED BY '*****' WITH GRANT OPTION;
```

Steps to install Jira

Download & copy the jar file to the Ubuntu machine from the given link

<https://www.atlassian.com/software/jira/update>

Change the ownership permissions and run the jar file as below

```
./atlassian-jira-8.4.2-x64.bin
```

Unpacking JRE ...

Starting Installer ...

Aug 23, 2019 7:04:33 AM java.util.prefs.FileSystemPreferences\$1 run

INFO: Created user preferences directory.

Aug 23, 2019 7:04:33 AM java.util.prefs.FileSystemPreferences\$2 run

INFO: Created system preferences directory in java.home.

This will install JIRA 8.4.2 on your computer.

OK [o, Enter], Cancel [c]

o

Choose the appropriate installation or upgrade option.

Please choose one of the following:

Express Install (use default settings) [1], Custom Install (recommended for advanced users) [2, Enter], Upgrade an existing JIRA installation [3]

2

Where should JIRA 8.4.2 be installed?

[/opt/atlassian/jira]

Default location for JIRA data

[/var/atlassian/application-data/jira]

Configure which ports JIRA will use.

JIRA requires two TCP ports that are not being used by any other applications on this machine. The HTTP port is where you will access JIRA through your browser. The Control port is used to Startup and Shutdown JIRA.

Use default ports (HTTP: 8080, Control: 8005) - Recommended [1, Enter], Set custom value for HTTP and Control ports [2]

2

HTTP Port Number

[8080]

Control Port Number

[8005]

JIRA can be run in the background.

You may choose to run JIRA as a service, which means it will start automatically whenever the computer restarts.

Install JIRA as Service?

Yes [y, Enter], No [n]

y

Extracting files ...

Please wait a few moments while JIRA starts up.

Launching JIRA ...

Installation of JIRA 8.4.2 is complete

Your installation of JIRA 8.4.2 is now ready and can be accessed via your browser.

JIRA 8.4.2 can be accessed at <http://localhost:8080>

Finishing installation ...

Download the jar file related to JDBC connection for MySQL database from the given link and copy to the machine

<https://dev.mysql.com/downloads/connector/j/5.1.html> or


<https://mvnrepository.com/artifact/mysql/mysql-connector-java/5.1.47>

Copy the MySQL JDBC connector to the machine, in your <installation-directory>/jira/WEB-INF/lib directory

Restart the Jira service and check the status as below

sudo service jira restartsudo service jira status


Open the browser and hit the url of Public IP as <http://<Your Public IP>:8080>

 JIRA

JIRA setup


Language

Select whether you'd like to set up JIRA in demonstration or production mode.



Set it up for me

This is the quick setup for demonstration and evaluation environments. We'll do most of the JIRA configuration for you, but you **need to be online with a working internet connection** so we can generate an evaluation license for you. You can change the configuration later if you need to.



I'll set it up myself

Set up and configure your JIRA instance manually. This is recommended for production environments, or if you don't have a working internet connection.

Next

Administrator account setup

You'll need administrator credentials to log in to Jira. Please provide an email address, username and password for your first administrator account. Make sure the password is secure, and different to your MyAtlassian account.

Email

Username

Password

Re-type password

Next

✓ The database connection test was successful.

Database setup

Database Connection ☐ Built In (for evaluation or demonstration)
☒ My Own Database (recommended for production environments)
Built in database can be [migrated](#) to a database of your own later.
Learn more about [connecting Jira to a database](#).

Database Type

Hostname

Hostname or IP address of the database server.

Port

TCP Port Number for the database server.

Database

The name of the database to connect to.

Username

The username used to access the database.

Password

The password used to access the database.

Next

Test Connection



Atlassian Jira is starting up

Loading Jira base system ...



Reference : <https://xinyustudio.wordpress.com/2015/04/29/jira-installation-a-step-by-step-guide/>