

JIRA Software Server (CentOS7/PostgreSQL/Nginx/SSL)



JIRA CentOS PostgreSQL Atlassian. PostgreSQL JIRA Atlassian. - [JIRA Linux Installer](#) linux, Atlassian JIRA Linux Installer CentOS.
JIRA Software Server . JIRA (reverse proxy) SSL.

:

- OS: CentOS 7 (Linux 3.10.0-327.el7.x86_64)
- Jira Software: atlassian-jira-software-7.2.3-x64
- Database: PostgreSQL-9.2
- Reverse proxy: nginx-1.10.3

, JIRA. Atlassian . ():

```
sudo yum update
sudo yum install vim wget
sudo mkdir /opt/atlassian
cd /opt/atlassian/
```

```
sudo wget https://downloads.atlassian.com/software/jira/downloads/atlassian-jira-software-7.2.3-x64.bin
sudo chmod +x atlassian-jira-software-7.2.3-x64.bin
```

```
sudo ./atlassian-jira-software-7.2.3-x64.bin
```

```

Unpacking JRE ...
Starting Installer ...
Nov 01, 2016 10:49:13 AM java.util.prefs.FileSystemPreferences$1 run
INFO: Created user preferences directory.
Nov 01, 2016 10:49:13 AM java.util.prefs.FileSystemPreferences$2 run
INFO: Created system preferences directory in java.home.

This will install JIRA Software 7.2.3 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 Software be installed?
[/opt/atlassian/jira]

Default location for JIRA Software data
[/var/atlassian/application-data/jira]

Configure which ports JIRA Software 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]

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
Details on where JIRA Software will be installed and the settings that will be used.
Installation Directory: /opt/atlassian/jira
Home Directory: /var/atlassian/application-data/jira
HTTP Port: 8080
RMI Port: 8005
Install as service: Yes
Install [i, Enter], Exit [e]
i
Extracting files ...
  atlassian-jira/secure/admin/views/filters/shared-filters.jsp

Please wait a few moments while JIRA Software is configured.
Installation of JIRA Software 7.2.3 is complete
Start JIRA Software 7.2.3 now?
Yes [y, Enter], No [n]
y

Please wait a few moments while JIRA Software starts up.
Launching JIRA Software ...
Installation of JIRA Software 7.2.3 is complete
Your installation of JIRA Software 7.2.3 is now ready and can be accessed
via your browser.
JIRA Software 7.2.3 can be accessed at http://localhost:8080
Finishing installation ...

```

firewalld

CentOS 7 firewalld, JIRA.

active zones:

```
firewall-cmd --get-active-zones
```

```
public
  interfaces: eth0
```

, JIRA (8080):

```
sudo firewall-cmd --zone=public --add-port=8080/tcp --permanent
sudo firewall-cmd --reload
```

JIRA web (<http://yourIpAddress:8080> , DNS, <http://jiraserver:8080>).

PostgreSQL

PostgreSQL Atlassian- . , Java connector:

```
sudo yum install postgresql-server
```

PostgreSQL, .

, PostgreSQL. PGDATA:

```
export PGDATA=/var/lib/pgsql/data
```

() PGDATA:

```
sudo postgresql-setup initdb
```

PostgreSQL :

```
sudo systemctl enable postgresql
sudo systemctl start postgresql
```

JIRA

```
sudo -u postgres -i
-bash-4.2$ psql
psql (9.2.15)
Type "help" for help.

postgres=# CREATE USER jiradbuser PASSWORD 'jiradbpassword';
GRANT ALL ON SCHEMA public TO jiradbuser;
GRANT ALL ON ALL TABLES IN SCHEMA public TO jiradbuser;
CREATE DATABASE jiradb WITH ENCODING 'UNICODE' LC_COLLATE 'C' LC_CTYPE 'C' TEMPLATE template0 OWNER=jiradbuser
CONNECTION LIMIT=-1;
\q
```

PostgreSQL

PostgreSQL 'ident' ([PostgreSQL](#)).

'ident', md5. pg_hba.conf. :

```
sudo vim /var/lib/pgsql/data/pg_hba.conf
```

host	all	all	127.0.0.1/32	ident
------	-----	-----	--------------	-------

host	all	all	127.0.0.1/32	md5
------	-----	-----	--------------	-----

:

```
sudo systemctl reload postgresql
```

JIRA Software Server.

JIRA

JIRA 8080.

PostgreSQL .

JIRA setup

 Language



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 help you generate a JIRA trial license at [MyAtlassian](#). 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.

Please make sure cookies are enabled before continuing.

Next

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

PostgreSQL

Hostname

localhost

Hostname or IP address of the database server.

Port

5432

TCP Port Number for the database server.

Database

jiradb

The name of the database to connect to.

Username

jiradbuser

The username used to access the database.

Password

●●●●●●●●●●●●●●●●

The password used to access the database.

Schema

public

Specify the schema name for your database.

Next

Test Connection



The database connection test was successful.

Database setup

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☒ My Own Database (recommended for production environments)

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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.

Schema

Specify the schema name for your database.

Next

Test Connection

Database setup

Database Connection ☐ Built In (for evaluation or demonstration)
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Database Type

Hostname

Hostname or IP address of the database server.

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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.

Schema

Specify the schema name for your database.

 Please wait while the database is set up. This may take a minute...

, , . , JIRA (, , email), JIRA.

JIRA , https JIRA.

Nginx , :

```
sudo yum update
sudo yum install nginx
```

https, http https. nginx, c 80 443:

```
vim /etc/nginx/conf.d/nonssl.conf
```

(jiraserver url):

```
server {
    listen      80;
    server_name <jiraserver>;
    access_log  off;
    return 301 https://$host$request_uri;
}
```

https JIRA(SSL,). (jiraserver url):

```
vim /etc/nginx/conf.d/jira.conf
```

```
server {
    listen      443 ssl;

    server_name <jiraserver>;

    access_log  /var/log/nginx/jira-access.log;
    error_log   /var/log/nginx/jira-error.log;

    ssl on;
    ssl_certificate /etc/nginx/ssl/jira.crt;
    ssl_certificate_key /etc/nginx/ssl/jira.key;
    client_max_body_size 50m;
    location / {
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-Proto https;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_pass http://<IPAddress JIRA Server>:8080/;
    }
}
```

Nginx JIRA , proxy_pass '<http://127.0.0.1:8080/>'.

Tomcat-, JIRA , . Tomcat, JIRA server.xml:

```
vim /opt/atlassian/jira/conf/server.xml
```

(jiraserver url):

```
<Connector
    port="8080"
    maxThreads="150"
    minSpareThreads="25"
    connectionTimeout="20000"

    enableLookups="false"
    maxHttpHeaderSize="8192"
    protocol="HTTP/1.1"
    useBodyEncodingForURI="true"
    redirectPort="8443"
    acceptCount="100"
    disableUploadTimeout="true"
    bindOnInit="false"
    proxyName="jiraserver"
    proxyPort="443"
    scheme="https"
    secure="true"

/>
```

Nginx JIRA JIRA localhost, address="127.0.0.1" port="8080".

JIRA web (, <http://www.atlassian.com/jira>), server.xml , :

```
<Context docBase="${catalina.home}/atlassian-jira" path="/jira" reloadable="false" useHttpOnly="true">
```

, JIRA Nginx:

```
sudo systemctl restart nginx  
sudo systemctl restart jira
```

JIRA !