

TriDoc Install Guide - Linux Operating System

This install guide was prepared for professional use!



1. Related links

Install guide: www.tridoc.eu/en/support/online-help/install-guide

Hardware configurations: www.tridoc.eu/en/support/online-help/hardware-configurations

Supported platforms: www.tridoc.eu/en/support/online-help/platforms

2. TriDoc System hardware requirements

The system's hardware requirements, like for any other server applications, depends on the planned number of users and the amount of documents to be stored.

We recommend that you configure your hardware based on below information!

For your information see the following to 2 configurations:

Recommended system configuration for installations above 20 users:

Intel Xeon Quad-Core 3 Ghz CPU, 8 GB RAM, 1 TB RAID 5 Storage, Gigabit Ethernet

An Internet connection is needed to activate the product!

Minimum requirements:

2 GHZ CPU, 2 GB RAM, 200GB HDD,

An Internet connection is needed to activate the product!

3. Applications to be installed

Installation can be done with the built-in Debian-based package manager. (In case of other Linux distributions please, follow the relevant instructions.)

- Database server: MySQL 5.0. Database server
- Application server: Apache Tomcat 5.5 Application server
- TriDoc standard 2.0.24

4. MySQL installation

To install the MySQL database manager use the following command.

```
apt-get install mysql-server
```

4.1. Start MySQL Server

To install the TriDoc database you needed to start the database daemon.

Type the following command to start MySQL.

- To start MySQL: `/etc/init.d/mysql start`
- To stop MySQL: `/etc/init.d/mysql stop`

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4.2. Open Terminal application and create the TriDoc database

- Execute the following command in Terminal to get a MySQL prompt:
`mysql --user=root mysql -p`
- Execute the following statements in the MySQL prompt to create a user and a database:
`CREATE USER 'tridoc'@'localhost' IDENTIFIED BY 'changeit';`
`GRANT USAGE ON *.* TO 'tridoc'@'localhost' IDENTIFIED BY 'changeit' WITH MAX_QUERIES_PER_HOUR 0 MAX_CONNECTIONS_PER_HOUR 0 MAX_UPDATES_PER_HOUR 0 MAX_USER_CONNECTIONS 0;`
`CREATE DATABASE IF NOT EXISTS `tridoc` DEFAULT CHARACTER SET utf8 COLLATE utf8_unicode_ci;`
`GRANT ALL PRIVILEGES ON `tridoc`.* TO 'tridoc'@'localhost';`

5. Apache Tomcat installation

Apache Tomcat (or Jakarta Tomcat or simply Tomcat) is an open source servlet container developed by the Apache Software Foundation (ASF). Tomcat implements the Java Servlet and the JavaServer Pages (JSP) specifications from Sun Microsystems, and provides a “pure Java” HTTP web server environment for Java code to run.

5.1. Download and install Sun JDK if needed:

Please note! In case of certain Linux distributions, if you install the Sun JDK, you will need to enable the use of certain repositories (eg.: non-free repository, repository component).

```
apt-get install sun-java5-jdk
```

5.2. Download and install Apache Tomcat using the package manager:

```
apt-get install tomcat-5.5 tomcat-5.5-admin
```

5.3. Prepare the Tomcat Server start

In order to start the Tomcat server, choose the appropriate service starting mode of the Linux distribution. If necessary, check the installed startup and shutdown scripts in the bin directory of the Tomcat application.

Eg.:

- To start Tomcat:
`/etc/init.d/tomcat start`
- To stop Tomcat:
`/etc/init.d/tomcat stop`

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6. TriDoc installation

6.1. Insert the Trilobita TriDoc DVD into the optical drive.

6.2. Copy the contents of tridoc-2.0-bin.zip from the DVD to /var/lib/tomcat5.5/webapps.

Don't forget to adjust the file privileges according to the Tomcat service user!

6.3. Modify the content of hibernate.cfg.xml located in /var/lib/tomcat5.5/webapps/TriDoc/WEB-INF/classes as follows:

The information in the following bold tags written can be modified:

- TriDoc path:
<property name="hibernate.connection.url"><![CDATA[jdbc:mysql://**localhost/tridoc**?useUnicode=yes&characterEncoding=UTF-8]]></property>
- User name:
<property name="hibernate.connection.username">**tridoc**</property>
- User password:
<property name="hibernate.connection.password">**changeit**</property>

6.4. Copy the bcprov-jdk15-141.jar file to /var/lib/tomcat5.5/shared/lib.

6.5. Start Apache Tomcat using the start_tomcat command prepared in 5.3.

6.6. Navigate your web browser to <http://localhost:8080/TriDoc/>.

6.7. You need to have Flash Player 9.x or any newer version installed on your PC to access the TriDoc system.

6.8. Follow the instructions on the screen.

7. First start - Quick configuration

After installation, check the following:

- ✓ The MySQL service has started
- ✓ The Tomcat service has started
- ✓ TriDoc is available in browser application (Flash plug-in required)

The TriDoc system then automatically detects that it's a newly installed system and displays the Quick configuration wizard. Follow the instructions on the screen.

8. First use

Before you start using TriDoc standard read the information on the Start Page carefully and carry out the First steps.

Note! Please take time to develop your companies own documentation rules before you start to use the system! Depending on the complexity of the documentation rules the customisation of the system can cover modification of primary data fields, the use of custom languages or fields, or even the definition of individual document categories and types.