



3Rabbitz Book 2.0 Installation Guide



3Rabbitz Book 2.0 Installation Guide

3Rabbitz, Inc

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Preface

How This Book Is Organized

The elements of this book are as follows:

Windows Installation Guide

Describes the steps you must go through to install the 3Rabbitz Book on Windows.

- [1. System Requirements](#)
- [2. Windows Installation Guide](#)
- [5. Installation Wizard](#)

Linux Installation Guide

Describes the steps you must go through to install the 3Rabbitz Book on Linux.

- [1. System Requirements](#)
- [3. Linux Installation Guide](#)
- [5. Installation Wizard](#)

Mac OS Installation Guide

Describes the steps you must go through to install the 3Rabbitz Book on Mac OS.

- [1. System Requirements](#)
- [4. Mac OS Installation Guide](#)
- [5. Installation Wizard](#)

Appendices

- [Appendix A. Changing the Port Numbers](#)

Conventions Used in This Book

The following typographical conventions are used in this book:

??	??	?
Important text	Shows text that should be emphas-	strong

??	??	?
	ized as bold.	
Menu, Button, Link	Shows menus, buttons, or links by surrounding text with < and >.	<Save>
Shortcut	Shows commands or other text that should be typed literally by the user.	Ctrl + S
Code, Filename	Shows code, command, or filename with constant width font.	3RABBIZ_HOME

Notes, tips, cautions, are provided as follows.



This icon indicates a note.



This icon indicates a tip.



This icon indicates a caution.

How to Contact Us

To comment or ask technical questions about this book, send email to:

support@3rabbitz.com

System Requirements

1.

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3Rabbitz Book is a server application that is written in Java and it is a web based software used by accessing from a web browser after installation. Thus, general users do not need to install additional software. But you need software and hardware used to install 3Rabbitz Book on the server. This chapter will provide the necessary information for that purpose.



All the requirements mentioned in this chapter are the **minimum requirements**.

1.1 Software Requirements

Web Browser

Table 1-1 Web Browsers Supported

Web Browser	Versions Supported	Operating Systems
Microsoft Internet Explorer	8.0 or later	Windows
Mozilla Firefox	Latest version	Windows, Linux, Mac OS
Google Chrome	Latest version	Windows, Linux, Mac OS
Apple Safari	Latest version	Windows, Mac OS, iOS ¹

- You can only use web browsers that support HTML5.
- Web Viewer used to read a document supports Internet Explorer 6-7 and [Opera](#) 11 or later.



The detailed information regarding supports for web browsers can be found in [3Rabbitz Book User Guide | Web Browser](#).

1. iOS 5 or later is supported but some of the features may be unsupported.

Server Software

Operating System

It supports operating systems where Java 6 or later can be installed.

Java

3Rabbitz Book is the software written in Java. To run this program, you need to install [Oracle Java 6.0](#) or later.



The Java versions are displayed with equivalent expressions such as 5.0, 6.0, 7.0 and 1.5, 1.6, 1.7. Therefore, 6.0 and 1.6 are the same versions.



[IBM Java](#) is supported but [OpenJDK](#) is not.

1.2 Hardware Requirements

3Rabbitz Book installation requires a server with the minimum 2GHz CPU / minimum 2G RAM / minimum 200G HDD.



The required Hardware specifications may differ depending on the number of documents and the number of users and you can install it on your personal computer for use.

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Follow these steps to install 3Rabbitz Book on your Windows.



The following steps are for Windows 7.

1. Install Java 6.0 or later.
2. Download the 3Rabbitz Book installation file.
3. Decompress the 3Rabbitz Book installation file.
4. Start 3Rabbitz Book.

5. Run Installation Wizard.

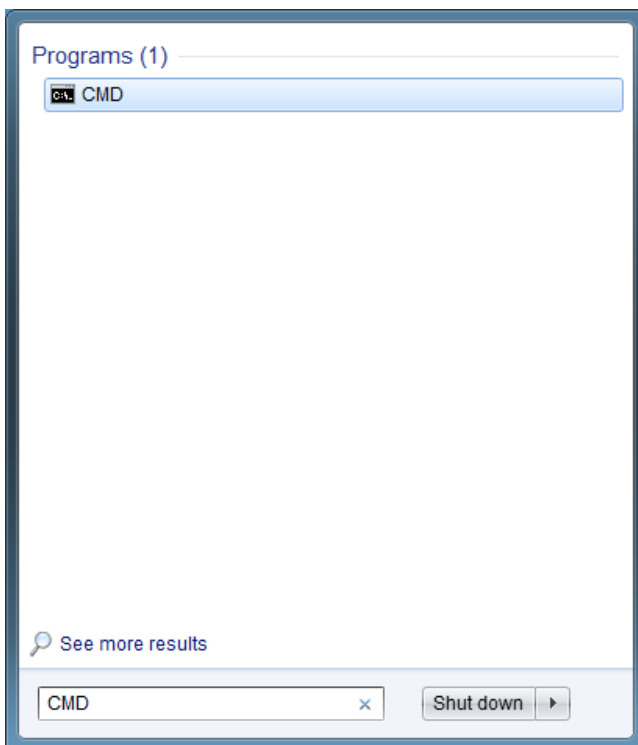
2.1 Installing Java 6.0 or Later

Checking Java Installation and Its Version

To check your Java installation and its version, follow these steps.

1. In the execution box of the <Start> menu on your Windows, enter CMD to run a command prompt.

Figure 2-1 Executing a Command Prompt

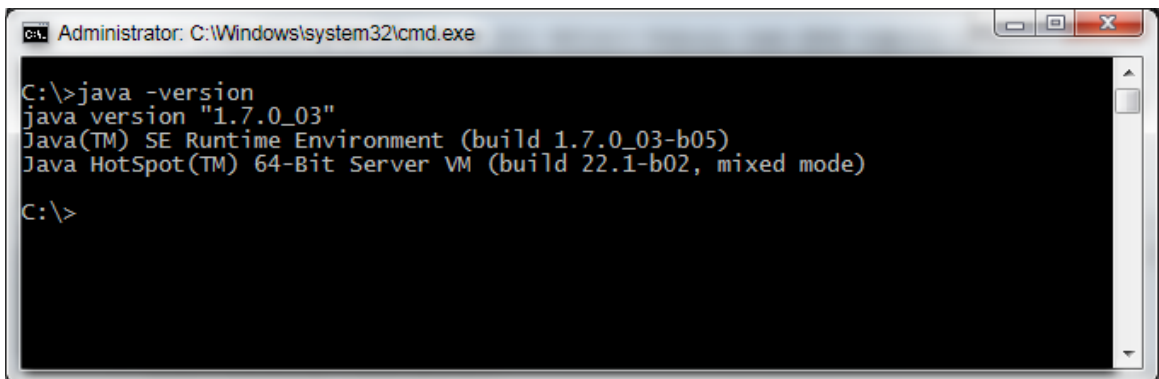


2. Execute the following command in the command prompt.

```
java -version
```

If the following results does not show up or if the version is not equal to 1.6 or later, then you will have to install Java.

Figure 2-2 Checking the Java Version



```
Administrator: C:\Windows\system32\cmd.exe
C:\>java -version
java version "1.7.0_03"
Java(TM) SE Runtime Environment (build 1.7.0_03-b05)
Java HotSpot(TM) 64-Bit Server VM (build 22.1-b02, mixed mode)
C:\>
```

Installing Java

To install Java on your Windows, follow these steps.

1. Download the Java installation files from the [Oracle Java site](#).
 - **You are recommended to download Java 7.** At present, the latest version is **Java SE 7u51**.
 - If you use 32 bit Windows, then select Windows x86 Offline and if you use 64 bit Windows, then select Windows x64.



Should I download JRE or should I download JDK?

JRE(Java Runtime Environment) is used to run the software made using Java(3Rabbitz Book and so on) and JDK(Java Development Kit) is a group of tools and JRE necessary for Java software development. Thus, if you **install Java to use 3Rabbitz Book only, then you are recommended to install JRE.**

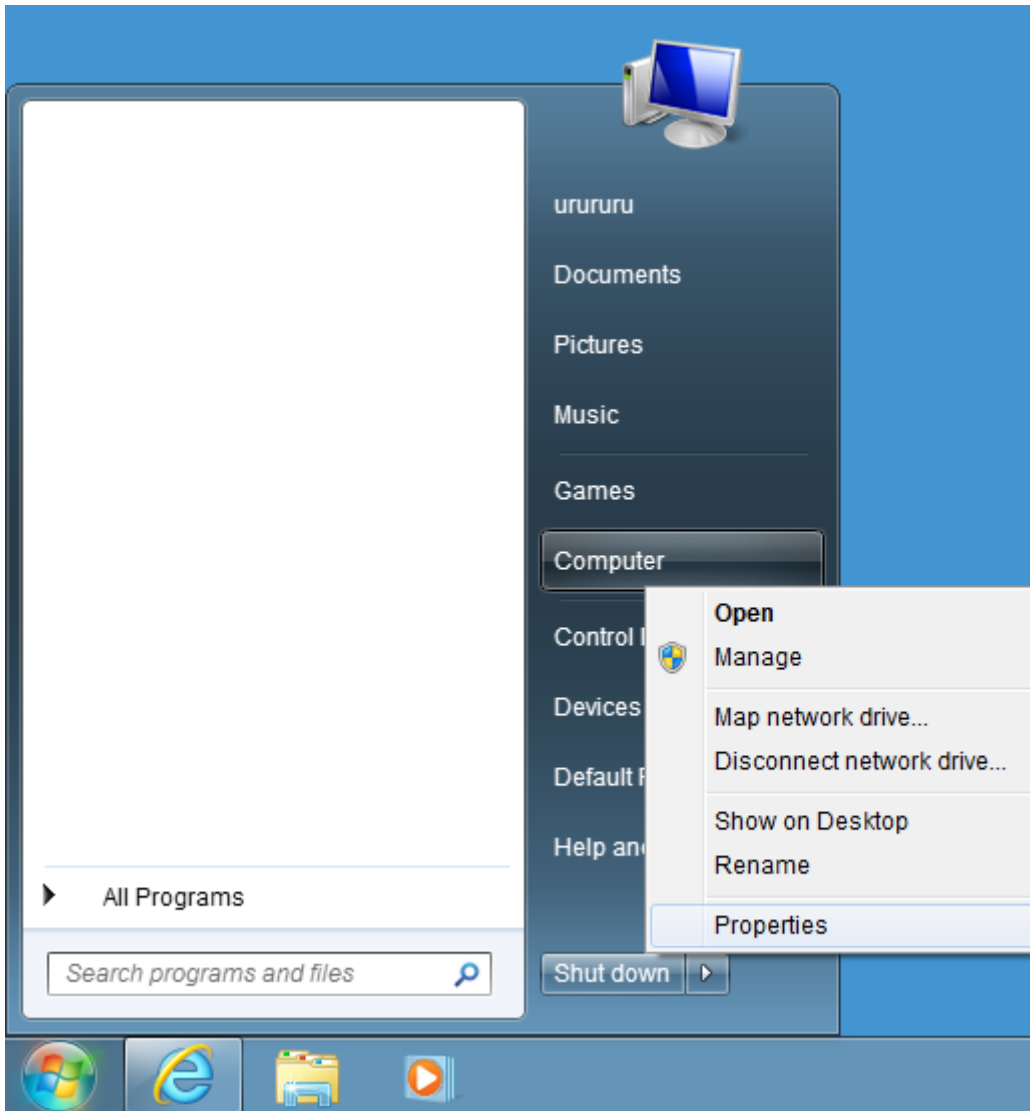
2. Click the downloaded file to install Java.

JRE_HOME or JAVA_HOME Environment Variable Setting

To configure JRE_HOME or JAVA_HOME environment variables, follow these steps.

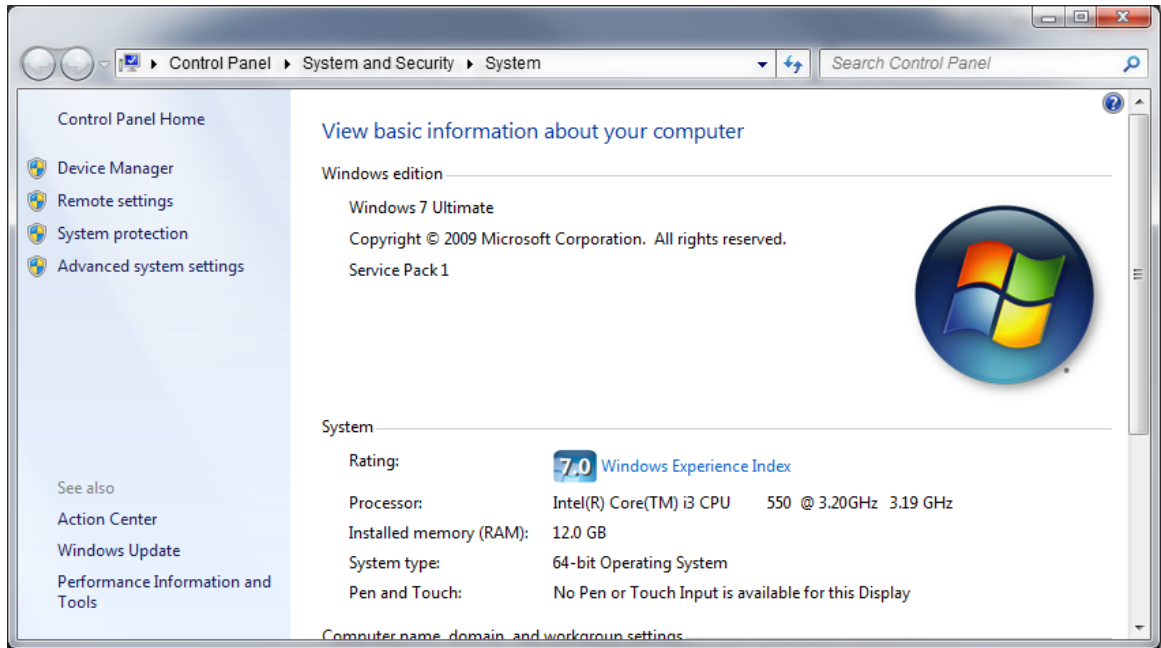
1. Right click with your mouse button on the <Start | Computer> menu. The context menu will appear.
2. In the context menu, click on the <Properties> menu.

Figure 2-3 Opening the Property Menu on Your Computer



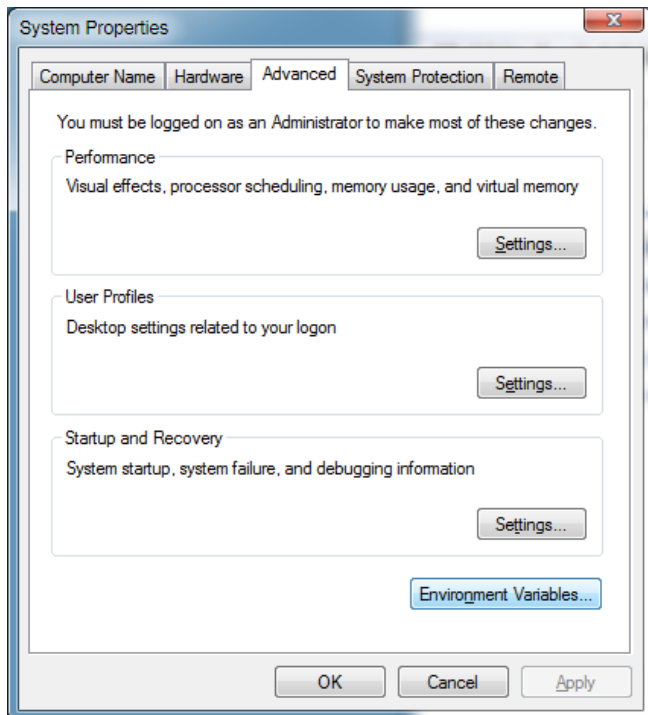
3. In the left menu, click on the <Advanced system settings> menu.

Figure 2-4 Viewing the Basic Information about Your Computer



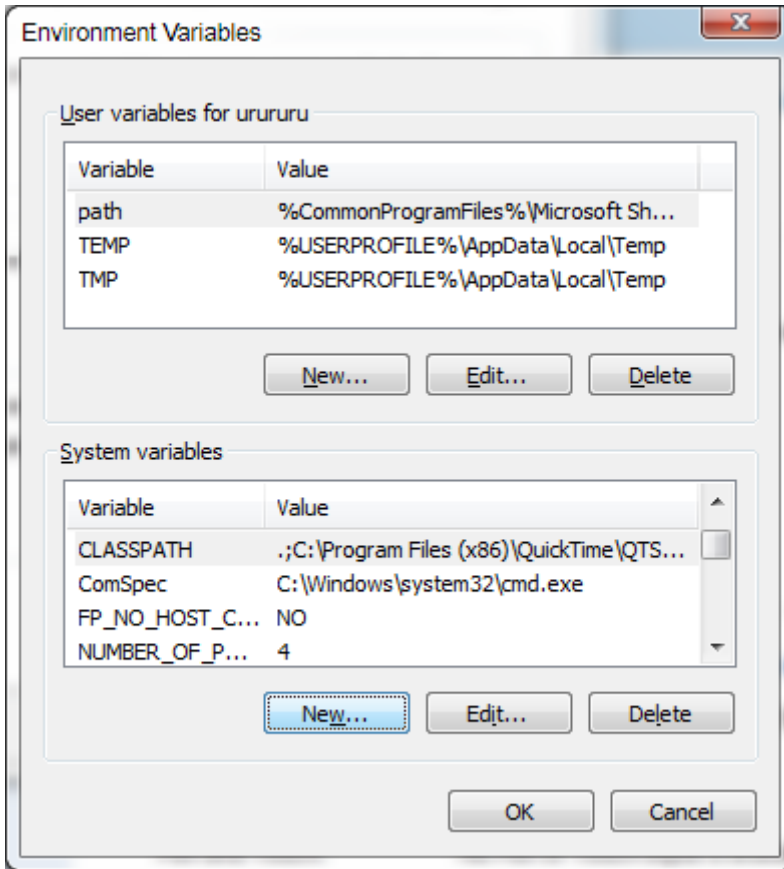
4. In the System Properties windows, click on the <Environment Variables> button below the <Advanced> tab.

Figure 2-5 System Properties



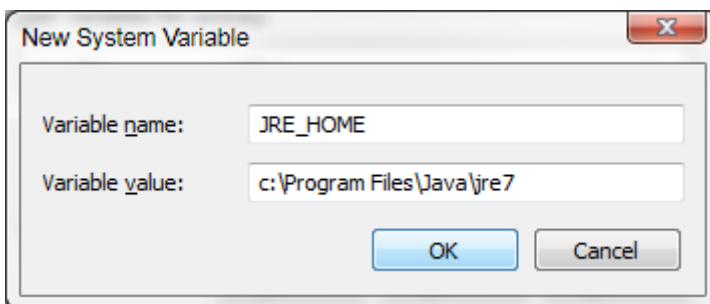
5. In the Environment Variable windows, click on the <New> button located below the <System Variables> panel.

Figure 2-6 Environment Variables



6. Enter a variable name and value in the New System Variable windows and click on the <OK> button.

Figure 2-7 New System Variable



If JRE is installed, then enter JRE_HOME and if JDK is installed, then enter JAVA_HOME for the variable name. A variable name field requires the path for the folder where JRE or JDK is installed. The detailed path can be checked from the C:\Program Files\Java folder.

Table 2-1 Environment Variable

	Variable name	Variable value ¹
JRE is installed.	JRE_HOME	C:\Program Files\Java\jre7
JDK is installed.	JAVA_HOME	C:\Program Files\Java\jdk1.7.0_03



If both of JRE_HOME and JAVA_HOME are set, then JRE_HOME has a higher priority.

2.2 Installing 3Rabbitz Book

Download the installation file and decompress it. Installation of 3Rabbitz Book will be completed.

1. Download the Windows version of installation file from the [3Rabbitz download page](#).
2. After decompressing it, move the 3rabbitz folder to the folder where






1. The variable value may differ depending on the Java version and the folder location.

you want to install the 3Rabbitz Book.



The full path for the folder to be installed should not have space or special character (~!@#%&^&*()_+|"<>':').

Figure 2-8 Product Folder Structure

Name	Date modified	Type	Size
 web	4/6/2012 12:05 AM	File folder	
 tomcat	4/6/2012 12:05 AM	File folder	
 logs	4/6/2012 12:05 AM	File folder	
 bin	4/6/2012 12:05 AM	File folder	
 update.properties	4/1/2012 4:47 PM	PROPERTIES File	1 KB

2.3 Starting 3Rabbitz Book



3RABBITZ_HOME refers to the folder where 3Rabbitz Book is installed.

To start 3Rabbitz Book, follow these steps.

1. In your Windows Explorer, move to the 3RABBITZ_HOME\bin folder.
2. Run the startup.bat file.
3. Using [5. Installation Wizard](#), perform the initial configuration works.

2.4 Stopping 3Rabbitz Book

To stop 3Rabbitz Book, follow these steps.

1. In your Windows Explorer, move to the 3RABBITZ_HOME\bin folder.
2. Run the shutdown.bat program.

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Follow these steps to install 3Rabbitz Book on your Linux.

1. Install Java 6.0 or later.
2. Download the 3Rabbitz Book installation file.
3. Decompress the 3Rabbitz Book installation file.
4. In the terminal, start 3Rabbitz Book.
5. Run Installation Wizard.

3.1 Installing Java 6.0 or Later

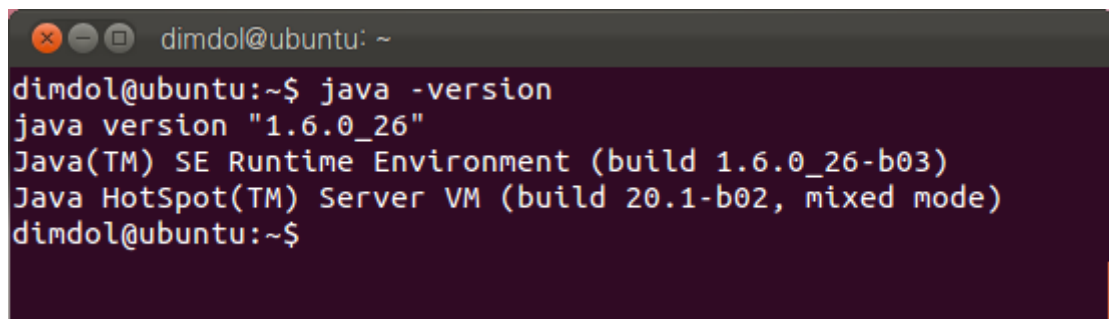
Checking Java Installation and Its Version

Execute the following command in the terminal to check Java installation and its version.

```
java -version
```

If the following results do not appear or if the version is OpenJDK or not equal to 1.6 or later, then you will have to install Java.

Figure 3-1 Checking the Java Version

A terminal window with a dark background and light text. The window title is 'dimdol@ubuntu: ~'. The command 'java -version' has been entered and executed. The output is: 'java version "1.6.0_26"', 'Java(TM) SE Runtime Environment (build 1.6.0_26-b03)', and 'Java HotSpot(TM) Server VM (build 20.1-b02, mixed mode)'. The prompt 'dimdol@ubuntu:~\$' is visible at the end of the output.

```
dimdol@ubuntu:~$ java -version
java version "1.6.0_26"
Java(TM) SE Runtime Environment (build 1.6.0_26-b03)
Java HotSpot(TM) Server VM (build 20.1-b02, mixed mode)
dimdol@ubuntu:~$
```

Installing Java

The method for installing Java may differ significantly depending on Linux distribution and version. So, you need to proceed with Java installation suitably for Linux distribution and version.

3.2 Installing 3Rabbitz Book

Download and decompress the installation file. Installation of 3Rabbitz Book will be completed.

1. Download the Linux version of installation file from the [3Rabbitz download page](#).
2. Send the downloaded files via FTP to the Linux server where they will be installed.



If the Linux server has an internet connection, then use the following command to directly download the installation files to the server.

```
wget http://www.3rabbitz.com/r/home/download/linux  
--content-disposition
```



The full path for the directory to be installed should not have space or special character(`~!@#%&*()_+|"<>':)`).

3. Using a tar command, decompress the file.

```
tar -xvf 3rabbitz-book-1.5.0.tar.gz
```

4. After decompressing it, move the 3rabbitz directory to the directory where you want to install the 3Rabbitz Book.

Figure 3-2 Product Directory Structure

```
dimdol@ubuntu: ~/3rabbitz
dimdol@ubuntu:~/3rabbitz$ ls -l
total 20
drwxr-xr-x 2 dimdol dimdol 4096 2012-04-03 23:29 bin
drwxr-xr-x 2 dimdol dimdol 4096 2012-04-03 23:29 logs
drwxr-xr-x 7 dimdol dimdol 4096 2012-04-03 23:29 tomcat
-rw-r--r-- 1 dimdol dimdol 202 2012-04-03 23:29 update.properties
drwxr-xr-x 4 dimdol dimdol 4096 2012-04-03 23:29 web
dimdol@ubuntu:~/3rabbitz$
```

3.3 Starting 3Rabbitz Book



3RABBITZ_HOME refers to the directory where 3Rabbitz Book is installed.

To start 3Rabbitz Book, follow these steps.

1. Move to the 3RABBITZ_HOME/bin directory.
2. Run the following command.

```
./startup.sh
```

3. Using [5. Installation Wizard](#), perform the initial configuration works.

3.4 Stopping 3Rabbitz Book

To stop 3Rabbitz Book, follow these steps.

1. Move to the 3RABBITZ_HOME/bin directory.
2. Run the following command.

```
./shutdown.sh
```


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Follow these steps to install 3Rabbitz Book on your Mac OS.

1. Install Java 6.0 or later.
2. Download the 3Rabbitz Book installation file.
3. Decompress the 3Rabbitz Book installation file.
4. Start 3Rabbitz Book.
5. Run Installation Wizard.

4.1 Installing Java 6.0 or Later

Your Mac OS already has Java installed in it. If the version of Java installed is lower than 6.0 you need to update it.

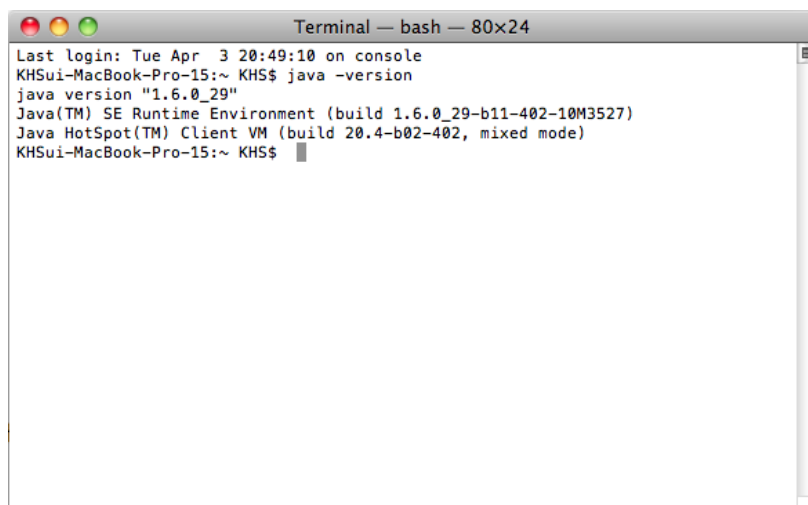
Checking the Java Version

To check the Java version, follow these steps.

1. In the dock, go to the <Applications | Utilities> menu and launch the Terminal.
2. In the terminal, execute the following command.

```
java -version
```

If the version is not equal to 1.6 or 1.7, then you will have to update your Java.



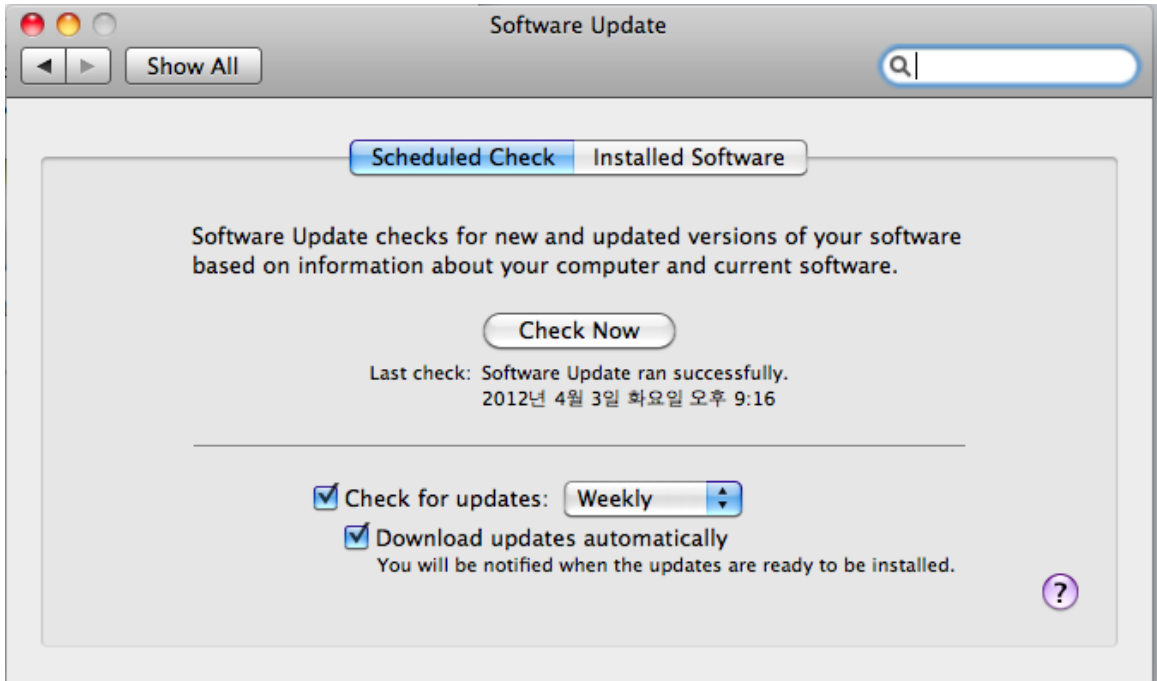
Updating Java

To update Java, follow these steps.

1. In the dock, execute the <System Preferences> menu.



2. In the bottom of the screen, click on the <System | Software Update> menu.
3. Click on the <Check Now> button in the Software update to update Java.



4.2 Installing 3Rabbitz Book

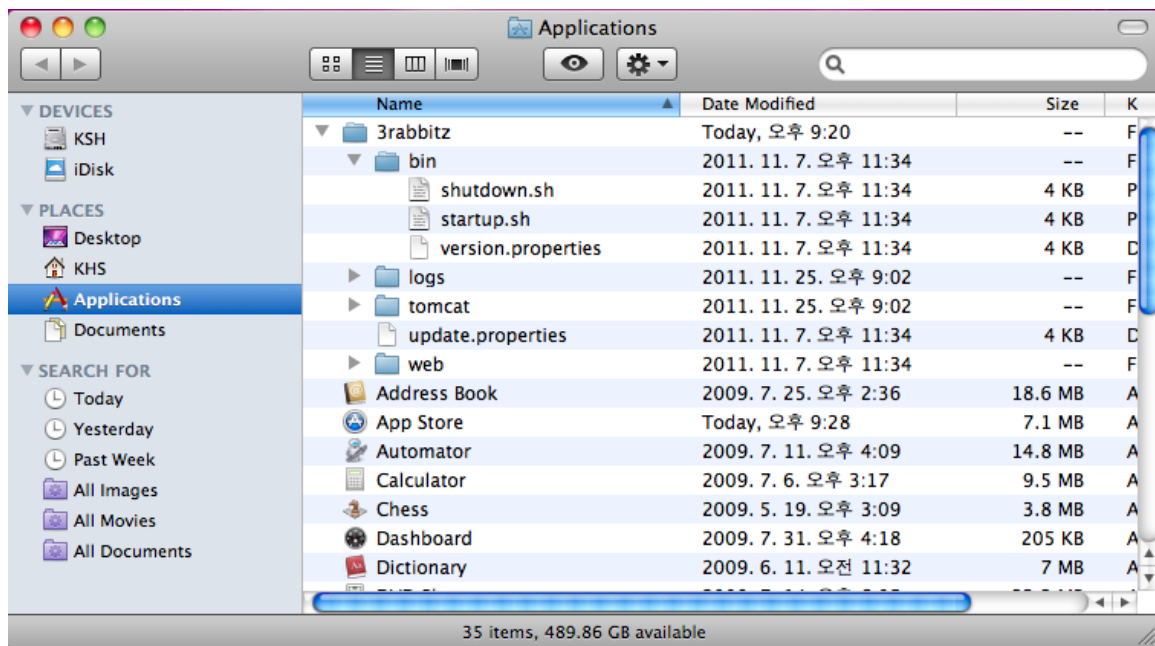
Download and decompress the installation file. Installation of 3Rabbitz Book will be completed.

1. Download the Mac OS version of installation file from the [3Rabbitz download page](#).
2. After decompressing it, move the 3rabbitz directory to the directory where you want to install the 3Rabbitz Book.



The full path for the directory to be installed should not have space or special character (~!@#%&*()_+|"<>:').

Figure 4-1 Product Directory Structure



4.3 Starting 3Rabbitz Book



3RABBITZ_HOME refers to the directory where 3Rabbitz Book is installed.

To start 3Rabbitz Book, follow these steps.

1. In the dock, go to the <Application | Utility> menu and run the terminal.
2. Move to the 3RABBITZ_HOME/bin directory.
3. Run the following command.

```
./startup.sh
```

4. Using [5. Installation Wizard](#) perform the initial configuration works.

4.4 Stopping 3Rabbitz Book

To stop 3Rabbitz Book, follow these steps.

1. In the dock, go to the <Application | Utility> menu and run the terminal.
2. Move to the 3RABBITZ_HOME/bin directory.
3. Run the following command.

```
./shutdown.sh
```

Installation Wizard

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5.1 Starting Installation Wizard

After starting 3Rabbitz Book, move to the following URL on your web browser. The installation wizard will appear, then.

```
1 http://<domain_name_or_IP_address>:1975
```



The default port number is 1975. To change this, please refer to the [Appendix A. Changing the Port Numbers](#).

If it is installed on your personal computer, then you need to access the following URL.

```
1 http://127.0.0.1:1975
```



3RABBITZ_HOME refers to the directory where 3Rabbitz Book is installed.



If the installation wizard does not show up, then check the log files located in the 3RABBITZ_HOME/logs directory.

5.2 Setting by Installation Wizard

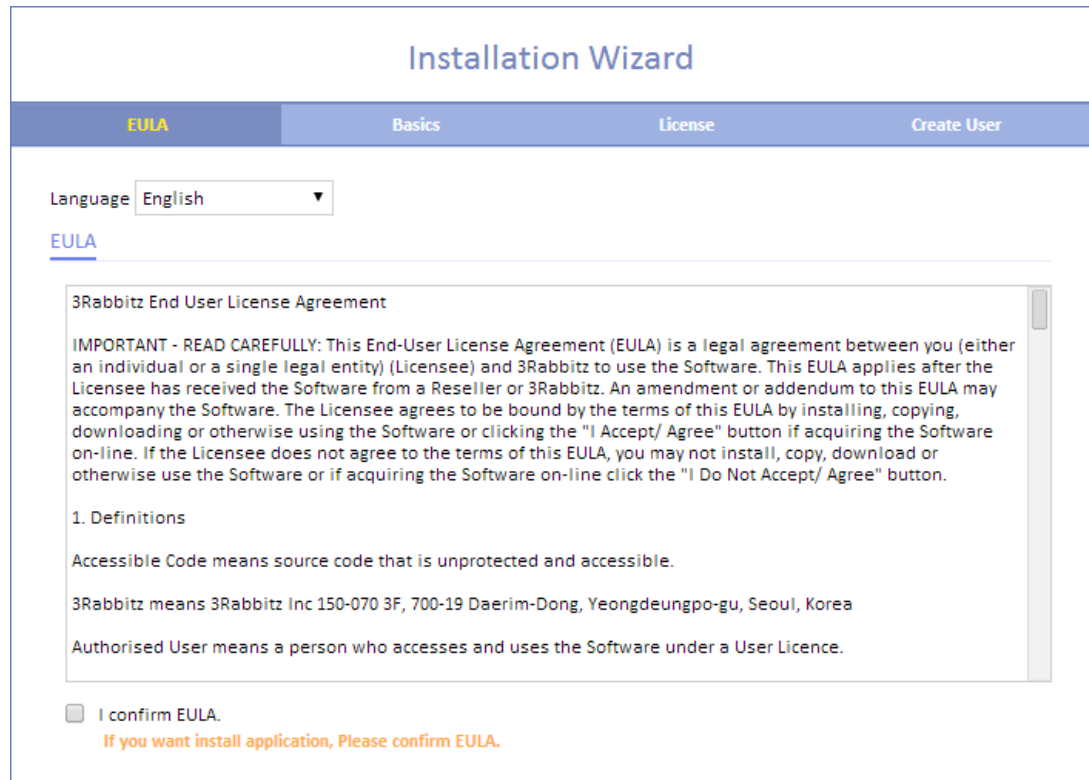
Using installation wizard, you can perform the following tasks.

- Agreeing to End User License Agreement([EULA](#))
- Setting Basics
 - Base URL
 - Data directory and backup directory
- Entering a license key
- Creating a user

① Agreeing to End User License Agreement

You must agree to End User License Agreement, before you can proceed to the next step.

Figure 5-1 End User License Agreement



You can change the language to be used in your installation wizard. At present, English and Korean are supported.

2 Setting Basics

You can configure the following items in this step.

Base URL

The URL for installed 3Rabbitz Book. It is used for document links and email body. Enter a domain address or IP address.

Data Directory

A directory where various entities such as database, fonts, images, PDF, EPUB and etc are stored.

Backup Directory

A directory where the database and the image backup copies are stored.

Figure 5-2 Entering the Basic Information

The screenshot shows the 'Installation Wizard' interface. At the top, there are four tabs: 'EULA', 'Basics' (highlighted in yellow), 'License', and 'Create User'. Below the tabs, the 'Basics' section is active. It contains the following fields and options:

- Base URL:** A text input field containing 'http://127.0.0.1:1975/'.
- Data Directory:** A section with the text 'The directories of database, fonts, PDF, EPUB is created under the base directory.' It has two radio button options: 'Default: C:/3rabbitz/data' (selected) and 'User Defined: [text box]'.
- Backup Directory:** A section with the text 'The directory is for backup. so we recommend that you select the different storage with the one contain base directory.' It has two radio button options: 'Default: C:/3rabbitz/data/backup' (selected) and 'User Defined: [text box]'.

At the bottom right of the form, there are two buttons: 'Back' (disabled) and 'Next' (active).

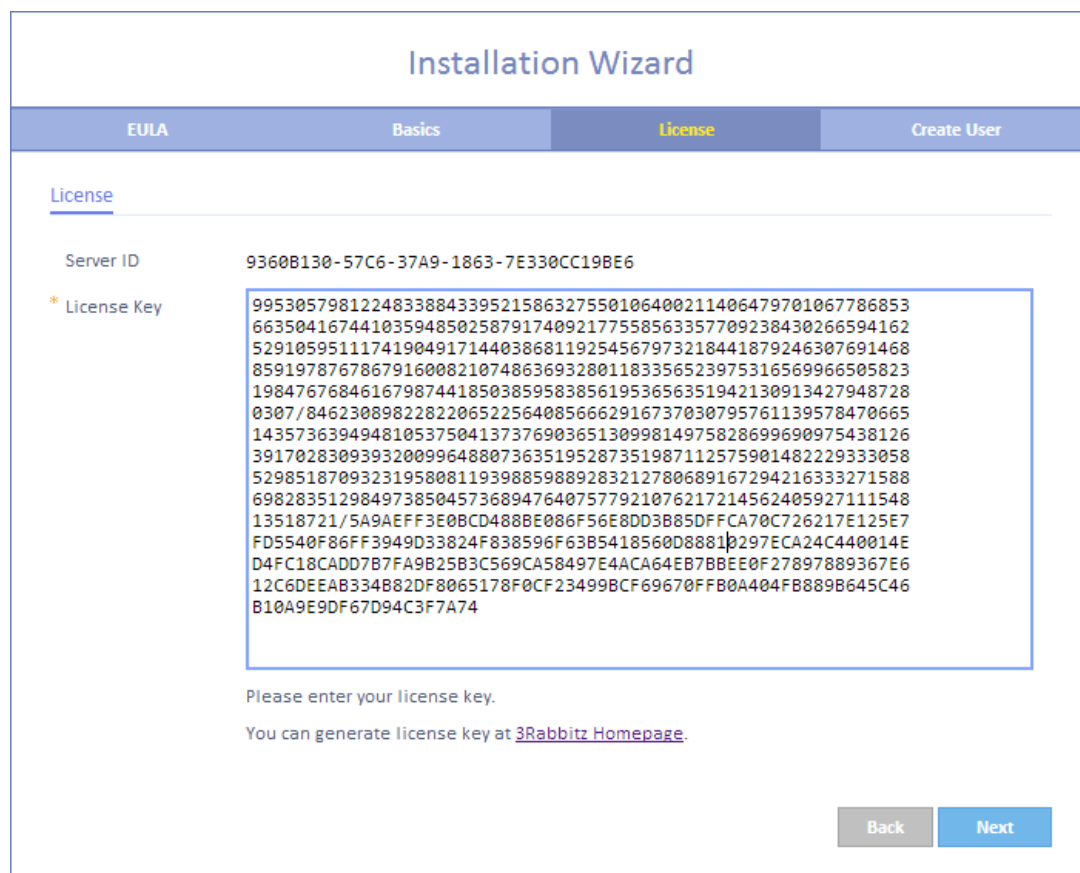


For better reliability, you are recommended to use a backup directory that is located in a different disk than the data directory.

3 Entering a License Key

To enter a license key, follow these steps.

Figure 5-3 Entering a License Key

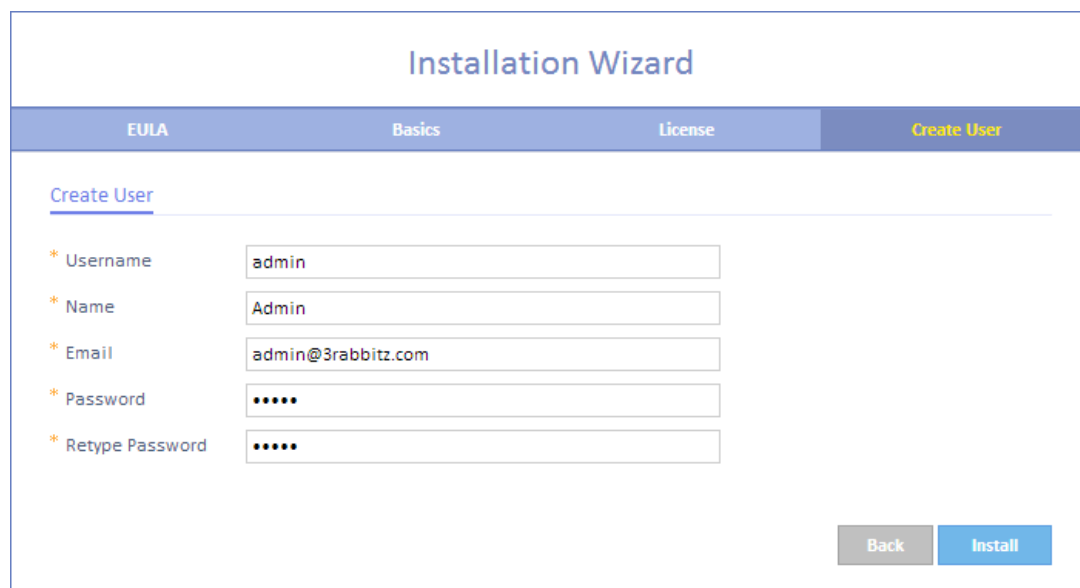


1. Copy the Server ID displayed on the screen of installation wizard.
2. Move to the [3Rabbitz homepage](#).
3. After logging in, go to **My Account** and issue a license key to yourself. At the moment, you will have to enter the Server ID.
 - o Signup for account is required.
4. After entering the issued license key in the installation wizard, click on the <Next Step> link.

4 Creating a User

Finally, you need to create a user with the “Administrator” role.

Figure 5-4 Creating a User



The screenshot shows the 'Installation Wizard' interface. At the top, there are four tabs: 'EULA', 'Basics', 'License', and 'Create User'. The 'Create User' tab is active and highlighted in blue. Below the tabs, the title 'Create User' is displayed. The form contains five input fields, each with an asterisk indicating a required field: 'Username' (value: admin), 'Name' (value: Admin), 'Email' (value: admin@3rabbitz.com), 'Password' (value: masked with dots), and 'Retype Password' (value: masked with dots). At the bottom right, there are two buttons: 'Back' (disabled) and 'Install' (active).

Clicking on the <Install> link, installation will begin. When installation is finished, you will be moved to the log in screen.

5.3 Adding English Fonts

The Nanum fonts installed by defaults are not suitable for English document. So, if you want to prepare an English document, you are recommended to add and use the **Liberation font**. To add these fonts, please refer to the [3Rabbitz Book 1.5 User Guide: Registering Liberation Fonts](#).

Changing the Port Numbers

Appendix A.

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A.2	Changing the Shutdown Port Number	35

3Rabbitz Book uses a total of two network ports. One of them is a service port used to process a user's request and the other is a shutdown port used to stop the 3Rabbitz Book.



3RABBITZ_HOME refers to the directory where 3Rabbitz Book is installed.

A.1 Changing the Service Port Number

The default value of the service port number is 1975. If you want to change the port number, then open up the `3RABBITZ_HOME/tomcat/conf/server.xml` file and change 1975 with another number.

```
1 <Server port="5791" shutdown="SHUTDOWN">
2
3   <Service name="Catalina">
4     ...
5     <Connector port="1975" protocol="HTTP/1.1"
6       connectionTimeout="20000" redirectPort="8443"
7       URIEncoding="UTF-8" />
8     ...
9   </Service>
10 </Server>
```



You need to restart 3Rabbitz Book if you want the newly made changes to start taking effects.

A.2 Changing the Shutdown Port Number

The default value of the shutdown port number is 5791. If you want to change this port number, then open up the `3RABBITZ_HOME/tomcat/conf/server.xml` file and change 5791 with another number.

```
1 <Server port="5791" shutdown="SHUTDOWN">
2
3   <Service name="Catalina">
4     ...
5     <Connector port="1975" protocol="HTTP/1.1"
6       connectionTimeout="20000" redirectPort="8443"
7       URIEncoding="UTF-8" />
8     ...
9   </Service>
10 </Server>
```



You need to restart 3Rabbitz Book if you want the newly made changes to start taking effects.

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