



BuySafe Installation Manual

Version 1.0

BuySafe	Version: 1.0
Installation Manual	Date: 2013-01-20

Revision History

Date	Version	Description	Author
2013-01-19	0.1	Initial Draft	Želimir Kompes
2013-01-19	0.2	Android installation guide added	Želimir Kompes
2013-01-20	1.0	Final version	Želimir Kompes, Xiaowei Ma

BuySafe	Version: 1.0
Installation Manual	Date: 2013-01-20

Table of contents

1.	Introduction	4
1.1	Purpose of this document	4
1.2	Document organization	4
1.3	Intended Audience	4
1.4	Scope	4
1.5	Definitions and acronyms	4
1.5.1	Definitions	4
1.5.2	Acronyms and abbreviations	4
1.6	References	4
2.	Installation manual	5
2.1	Android application installation guide	5
2.1.1	Using the Android SDK	5
2.1.2	Transfer APK file to the Android device	5
2.2	Server side application installation guide	5
2.2.1	MySQL database	5
2.2.2	Apache TomCat 7.0	5
2.2.3	JAVA SE6 JDK 1.6	6
2.2.4	FTP	6

BuySafe	Version: 1.0
Installation Manual	Date: 2013-01-20

1. Introduction

1.1 Purpose of this document

The purpose of this document is to describe installation of the project components to the end users. After reading this document users should be able to understand how to install and start application.

1.2 Document organization

The document is organized as follows:

- Section 1, *Introduction*, describes purpose and contents of this guide
- Section 2, *Installation Manual*, describes steps that need to be taken when installing application

1.3 Intended Audience

The intended audience is:

- End users
- Project supervisor
- Project Leader
- Team members

1.4 Scope

This document describes all steps that need to be taken to successfully install and use BuySafe application. Document shows how to install APK files on Android Phone. Two methods are described step by step. Additionally, document describes how to set up server with all the components which need to be installed.

1.5 Definitions and acronyms

1.5.1 Definitions

Keyword	Definitions
BuySafe	The name of the project

1.5.2 Acronyms and abbreviations

Acronym or abbreviation	Definitions
APK	Android Package
SDK	Software Development Kit
JDK	Java Development Kit

1.6 References

1. <http://developer.android.com/sdk/index.html>

BuySafe	Version: 1.0
Installation Manual	Date: 2013-01-20

2. Installation manual

2.1 Android application installation guide

In this section two methods for installation of APK files to Android device will be described. First method will cover manual installation of APK applications using the Android SDK. Second method will include transfer of APK file to Android device.

2.1.1 Using the Android SDK

Steps for installation of APK files using the Android SDK on Windows:

1. Install Android SDK on computer (see section 1.6 under 1)
2. Open Android SDK Manager and install Android USB drivers
3. Connect Android device to computer
4. On device navigate to: *Settings* -> *Security* and enable *Unknown Sources* option
5. Open Command Prompt and type: `adb install path/file.apk`. Path is the full path to the APK file and file.apk is the name of the APK application file.
6. Application should be installed on device and ready to use

2.1.2 Transfer APK file to the Android device

Steps for installation of APK files using transfer of the APK files via network.

1. On device navigate to: *Settings* -> *Security* and enable *Unknown Sources* option
2. Use Android DropBox application to transfer APK file to device or e-mail the APK file to the e-mail account on Android device.
3. Tap on the transferred APK file. Installation process should begin.
4. Application should be installed on device and ready to use.

2.2 Server side application installation guide

2.2.1 MySQL database

Refer <http://www.turnkeylinux.org/lampstack> to install turnkey Linux appliance. It includes MySQL 2.6.32, Debian GNU/Linux 6.0 and python 2.6.

2.2.2 Apache TomCat 7.0

1. Download latest binary distribution. To download the package directly from the Linux command line, use a command that looks like this:

```
$ wget http://apache.yourfavoritemirror.com/tomcat/tomcat-
[#]/v[#]/apache-tomcat-[#].tar.gz
```

2. Extract the package:

```
$ tar xvzf apache-tomcat-[#].tar.gz
```

BuySafe	Version: 1.0
Installation Manual	Date: 2013-01-20

3. Move extracted folder into a dedicated directory

```
$ sudo mv apache-tomcat-[#] /usr/local/example/path/to/tomcat
```

4. Set The Required Environment Variables.

```
$ vi ~/.bashrc export JAVA_HOME=/usr/lib/path/to/java
export CATALINA_HOME=/path/to/tomcat
```

5. Start Tomcat

```
$CATALINA_HOME/bin/startup.sh
```

6. Tomcat runs on port 8080 by default. To check if server is up and running correctly use

```
$ ps -ef | grep java | grep 8080
$./shutdown.sh == shutdown
```

2.2.3 JAVA SE6 JDK 1.6

1. Download and extract the JDK from Sun website

```
$ wget http://download.oracle.com/otn-pub/java/jdk/6u37-b06/jdk-6u37-linux-i586.bin
$ chmod +x jdk-6u37-linux-i586-rpm.bin
$ ./jdk-6u33-linux-i586-rpm.bin
$rpm -ivh jdk-6u33-linux-i586.rpm
```

2. Set the required environment variables

```
#vi /etc/profile
#set java environment
JAVA_HOME=/usr/java/jdk1.6.0_37
CLASSPATH=.: $JAVA_HOME/lib/tools.jar
PATH=$JAVA_HOME/bin:$PATH
export JAVA_HOME CLASSPATH PATH
```

2.2.4 FTP

1. Install vsftpd

```
$ apt-get install vsftpd
```

2. Start FTP service

```
$service vsftpd start
```

3. Check if FTP server is running

```
$ service vsftpd status
```