**

LoanAPound Install Guide

Revision History

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| ISSUE | DATE | Authors | BRIEF DETAILS OF CHange |
| 0.1 | 13/06/2017 | QH | Initial draft |
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1. **Pre-requirements**
   1. **Server Requirements**

*[Put the recommended (minimum) hardware and OS’s requirements here]*

* 1. **Third party software**

For a successful installation a local account with enough rights to carry out the installation, such as local administration or power user accounts. The following software need to be installed and configured to run LoanAPound service.

**Java 8** (JRE or JDK), available from <https://www.java.com/en/download/>

**Apache Tomcat 8**, available from <http://tomcat.apache.org/download-80.cgi>. An Apache Tomcat is also provided in the release package.

**MySQL Community 5.5 or above**, available from <https://dev.mysql.com/downloads/>

Please choose the version suitable for your platform and follow their corresponding guides to install and configure them.

1. **Database setup**

Once all the above third party software have been installed and configured, the next step is to set up the database used by LoanAPound. Go to “MySQL Command Line Client”, and run MySQL commands (change the command accordingly) to finish the following task:

1). Create database:

*>> create database {DB\_NAME}*

2). Create database user, grant privildeges and set it as the default DB:

*>> create user ‘${DB\_USERNAME}’@’localhost’ identified by ‘${DB\_PASSWORD}’*

*>> grant select,update,insert,delete,execute on {DB\_NAME}.\* to ‘${DB\_USERNAME}@'localhost' identified by ‘${DB\_PASSWORD}’;*

*>> use {DB\_NAME}*

3). Create database schema by running the SQL script in the file “db-model.sql” available in the software release package.

3). Set up JNDI db resource at Tomcat. Open “conf/context.xml” file under your Tomcat installation and add the following resource setting under its “Context” tag

*<Resource name="{DB\_NAME}" type="javax.sql.DataSource"*

*maxTotal="10" maxIdle="3" maxWaitMillis="10000"*

*testWhileIdle="true" validationQuery="SELECT 1;"*

*username="‘${DB\_USERNAME}" password="${DB\_PASSWORD}" driverClassName="com.mysql.jdbc.Driver" url="jdbc:mysql://localhost:3306/loanapound?verifyServerCertificate=false&amp;useSSL=true"/>*

1. **Application Deployment and Get started**

Make sure the Apache Tomcat service is stopped before deploy the LoanAPound. Copy the “loanapound.war” file in your release package to the “webapps” directory under your Tomcat Installation.

Start the Tomcat following the guide available for your platform, and the LoanAPound should be up and running now. Please refer “LoanAPound User Manual[[1]](#endnote-1)” on how to use LoanAPound.

Enjoy!

1. This document doesn’t exist at the moment. To get started for the current prototype implementation, please access <http://localhost:8080/loanapound/application.htm> from your web browser. [↑](#endnote-ref-1)