

System Documentation

Guide on how to use the Authentication Server

ABSA

July 30, 2017

Authored by: Nthabeleng Letanta

Contents

1	Introduction.....	2
2	Setup	2
2.1	Required Components	2
3	Running the Authentication Server	2

1 Introduction

The Authentication Server allows a user to register with a unique username and password. The user can then login to the system after they have successfully registered. The server will then generate an authentication token after a user has requested to login, the server will then prompt the user to enter the authentication token to verify that they have requested a login. This documentation will provide instructions on how set up and run the Application Server.

2 Setup

2.1 Required Components

1. In order to run the Authentication Server, you need to install JDK software. JDK software allows you to run any Java program on your computer. Click on the following link to download the latest version of JDK installer.

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Check the “Accept License Agreements” option, and then select a version to download for your computer. Your computer will now be able to run Java programs once the installation is complete.

2. An environment now needs to be set up to be able to run Java programs using command line. Click on the link to set up your environment variable.

<http://introcs.cs.princeton.edu/java/15inout/windows-cmd.html>

3 Running the Authentication Server

The Authentication Server has two main methods in two different classes, Server class and Client class. The Server class needs to be run first in one Command Prompt terminal, and then the Client class needs to be run in a second Command Prompt terminal.

Once the Client class runs, it will inform you that a connection to the Server class has been made. In the Client class, you will be given two options; Register or Login. Register first to create an account, then select Login and use the details you have registered with.

When you have entered your details correctly, the Server class will generate an authentication code. This code will be used to verify that you have indeed requested a login to the server. The Client class will ask you to enter this authentication code, if the code entered matches the code generated, your authentication process will then be complete. If the code entered does not match the code generated, you will not be authenticated.