



LAB1: Mobiliser R5 Vanilla VM

Mobiliser R5 Vanilla Virtual Machine Image

TABLE OF CONTENTS

AGENDA	3
BEFORE YOU START... ..	3
STARTING THE MOBILISER SERVER	3
STARTING THE VANILLA PORTAL (WEB-UI)	4
REGISTER A DEMO CONSUMER.....	4
OTHER DEMO USERS	4
STOPPING THE MOBILISER SERVER AND VANILLA PORTAL.....	5
CLEAN/RECREATE THE VANILLA DATABASE SCHEMA.....	5

AGENDA

1. Start the Mobiliser container
2. Start the vanilla portal
3. Register a Consumer and add some funds to the SVA
4. Getting around with the other user roles and the demo merchant

BEFORE YOU START...

Please start the Mobiliser 5.1 Lab Virtual machine.

The Login with user is "mobiliser" and password "sybase".

STARTING THE MOBILISER SERVER

As part of this lab, participants would get exposed to build Mobiliser 5 Vanilla project from source code using Maven (build tool) and create a runtime environment to launch and use various web portals (Consumer SignUp, Merchant, Distribution partner etc) available out of the box. Mobiliser Vanilla project is a reference application built using Mobiliser R5 core services available out of the box. Mobiliser Vanilla project is also used as a boilerplate to create any new customization based on the customer's requirement that would get deployed along with Mobiliser core functionality. Currently Mobiliser Vanilla application is configured to work with ASE database server. You can run dbmaintain to clean the database and recreate the vanilla schema. You must run dbmaintain before you start the mobiliser container the first time. See the last chapter of this document.

1. Open a terminal (Applications/Accessories/Terminal)
2. Change to the mobiliser money directory
`$ cd ~/workspace/custom`
3. Run following command to build the Mobiliser R5 Vanilla reference application:
`$ mvn clean install`
4. Once the maven shows "**BUILD SUCCESS**", go to the following directory:
`$ cd ~/workspace/custom/dist/target`
5. You should see following two files:
`$ ls -ll`
com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT-dist-ase.zip
com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT-scriptarchive-ase.jar

The **.zip** file is a complete Mobiliser R5 runtime environment including Apache Felix (OSGI Server) and mobiliser deployable services.

The **.jar** file contains all database scripts used by the dbmaintain utility.

6. Unzip the runtime environment in the same folder ~/workspace/custom/dist/target as follows:
`$ unzip com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT-dist-ase.zip`
7. `$ cd ~/workspace/custom/dist/target/com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT/money`
8. Start the money container via bin/startup.sh
9. Examine the logs/felix.out with less (press Shift F for auto update and Ctrl C and Q to exit)
10. Check the blue load indicator in the top and **wait until the load drops** this might take 5+ minutes
11. Open Firefox and access the bundle console at <http://localhost:8080/system/console>
12. Log on with sysmgr/secret (pre-set values)
13. See the bundle status. There should be no bundle in "resolved" or "installed" state

STARTING THE VANILLA PORTAL (WEB-UI)

The Vanilla Portal is a demo implementation that includes the following components:

- Customer Signup
- Customer Portal
- Distribution Partner Portal
- Operations Dashboard

It has one single landing page/log in screen and based on the role different pages are shown. Now let's start it:

1. Open a terminal (Applications/Accessories/Terminal)
2. Change to the mobiliser web directory:
\$ cd ~/workspace/custom/dist/target/com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT/web
3. Start the tomcat container bin/startup.sh
4. Open a new Firefox tab and go to <http://localhost:8082/portal>

REGISTER A DEMO CONSUMER

The vanilla installation does not has any messaging connectivity (sms/email) and uses a dummy channel. Please use following dummy Credit Card numbers as part of Consumer Registration process: Master Card (16 Digits) **5555555555554444** or Visa Card (13 Digits) **4222222222222**

1. On the portal page click on "Consumer Signup"
2. Click on the link to continue signup as mBanking consumer
3. Enter all mandatory fields in the signup page and agree to the T&C
4. Press the Continue button and Confirm the data on the next page
5. On the Confirmation screen you will be asked for a Token. Open <http://localhost:8080/mobiliser/channelmgr/html>, log on with mobiliser/secret (pre-set values) and copy the token applicable for your registered MSISDN
6. Enter the token in your verification screen and complete the registration
7. Now log on to the consumer portal (simply use your chosen username and password)
8. Add a bank account or credit card. The credit card number must be valid, because its check sum is checked, so please only use examples from above
9. Add some funds to your SVA

OTHER DEMO USERS

All demo users have an expired password and therefore it must be changed on the first log in. A valid new password must contain 8 characters including letters and digits, e.g. "sybase365".

- Operations Manager: opsmgr/secret
- Customer Support Agent: cstfull/secret
- Banking Manager: mbamgr/secret
- Distribution Partner: Headquarter/secret

STOPPING THE MOBILISER SERVER AND VANILLA PORTAL

1. Open a terminal (Applications/Accessories/Terminal)
2. Change to the mobiliser web directory:
`$ cd ~/workspace/custom/dist/target/com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT/web`
3. Stop the portal via `bin/shutdown.sh`
4. Change to the mobiliser money directory:
5. `$ cd ~/workspace/custom/dist/target/com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT/money`
6. Stop the money container via `bin/shutdown.sh`

CLEAN/RECREATE THE VANILLA DATABASE SCHEMA

1. Open a terminal (Applications/Accessories/Terminal)
2. Change to the mobiliser distribution directory and run the following command to create a fresh setup of the ASE database:
`$ cd ~/workspace/custom/dist/target`
`$ java -jar com.sybase365.mobiliser.custom.project.dist-1.2.0-SNAPSHOT-scriptarchive-ase.jar`

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