

ENAPP 2012 - WEBSHOP

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1. INTRO

In the module ENAPP.H12 a Webshop has to be developed. This documentation covers the most necessary information and a short overview of the architecture.

1.1. Technology

A short overview over the technologies used.

- J2EE 1.6 (Java Enterprise Edition)
- Java 7
- Java Server Faces (JSF)
- Java Message Service (JMS)
- SOAP Webservices
- Rest Webservices
- JDBC / JPA (MySQL)

2. INFRASTRUCTURE

This section covers information about the Infrastructure.

2.1. Integration

Description of the integrationplatform in the EnterpriseLab @ HSLU.

2.1.1. OperatingSystem

Type: Solaris

User: tapaoluc (EL User)

root Password: ENAPP_H12

2.1.2. Database

Type: MySQL

Server: s0160.intra015.el.campus.intern

User: enapp

Password: enapp

2.1.3. Applicationserver

Type: Glassfish 3+

Adminpanel: <https://s0160.intra015.el.campus.intern:4848>

User: admin

Password: ENAPP_H12

2.1.4. /etc/hosts

For the connection to the Navision service an additional entry to the hosts file is needed.

```
#navision
```

```
10.29.2.12      icompanydb01.icompany.intern
```

2.2. Configuration.

2.2.1. Database

JDBC Connection Pool

Poolname: EnappWebshopTapaolucPool

Resource Type: javax.sql.DataBase

Datasource Classname: com.mysql.jdbc.jdbc2.optional.MysqlDataSource

Additional Properties on Connection Pool

password = enapp

user = enapp

servername = s0160.intra015.el.campus.intern

roleName = com.mysql.jdbc.Driver

datasourceName = jdbc:mysql://s0160.intra015.el.campus.intern:3306/enappwebshop

databaseName = enappwebshop

portNumber = 3306

Ressource

JNDI Name: jdbc/enappwebshoptapaoluc

Poolname: EnappWebshopTapaolucPool

2.2.2. Java Message Service

Queuefactory

Poolname: jms/purchasequeuefactory

Ressource Type: javax.jms.QueueConnectionFactory

Transaction: XATransaction

AdditionalProperty: AddressList = mq://10.29.3.152:7676/jms

Queue

JNDI Name: jms/purchasequeue

Physical Name: EnappQueue

Resource Type: javax.jms.Queue

2.2.3. Security *Security - Realm*

Configuration: server-config

Realm Name: enappwebshoprealm

Classname: com.sun.enterprise.security.auth.realm.jdbc.JDBCRealm

JAAS Context: jdbcRealm

JNDI Name: jdbc/enappwebshoptapaoluc

Usertable: customer

Usercolumn: username

Passwordcolumn: password

Grouptable: customergroups

Grouptable-Usercolumn: username

Groupcolumn: groupname

Digest algorithm: none

Encryption algorithm: none

Attention: There is no encryption so do not use your own passwords for tests!

2.2.4. JNDI - Custom Ressources

This setting sets the stage of the application to production.

JNDI Name: javax.faces.PROJECT_STAGE

Ressource Type: java.lang.String

Factory Class: org.glassfish.resources.custom.factory.PrimitivesAndStringFactory

Property: stage = production

3. ARCHITECTURE