

Laporan Praktikum Teknologi Cloud Computing - Minggu 5

Business Process as a Service



Oleh :

Nama : Jauhari Ahmad
No. Mhs : 205411167
Jurusan : Teknik Informatika / S1

SEKOLAH TINGGI MANAJEMEN INFORMATIKA DAN KOMPUTER
AKAKOM
YOGYAKARTA
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PENDAHULUAN

A. TUJUAN

1. Mahasiswa memahami pengertian BPaaS dan bisa menguraikan berbagai komponen yang membentuk BPaaS tersebut.
2. Mahasiswa memahami dan mampu mencari berbagai produk BPaaS untuk keperluan mengelola proses bisnis pada suatu organisasi.
3. Mahasiswa memahami gambaran umum Apache OFBiz.
4. Mahasiswa mampu melakukan instalasi Apache OFBiz untuk keperluan on-premise.
5. Mahasiswa memahami dan mampu menggunakan Apache OFBiz untuk keperluan dasar mengelola proses bisnis.

B. DASAR TEORI

1. <https://www.ibm.com/blogs/cloud-computing/2011/12/19/business-process-as-a-service-bpaas-delivered-from-the-cloud/>
2. http://www.orienge.com/blog/bpaas_model_diagram_advantages_and_prospects
3. <https://ofbiz.apache.org/business-users.html>
4. <https://ofbiz.apache.org/>

PEMBAHASAN

Install Apache OFBiz

1. Install Java

Add Repository

```
jauhmad@jauhmad-VirtualBox:~$ sudo add-apt-repository ppa:webupd8team/java
[sudo] password for jauhmad:
The Oracle JDK License has changed for releases starting April 16, 2019.
```

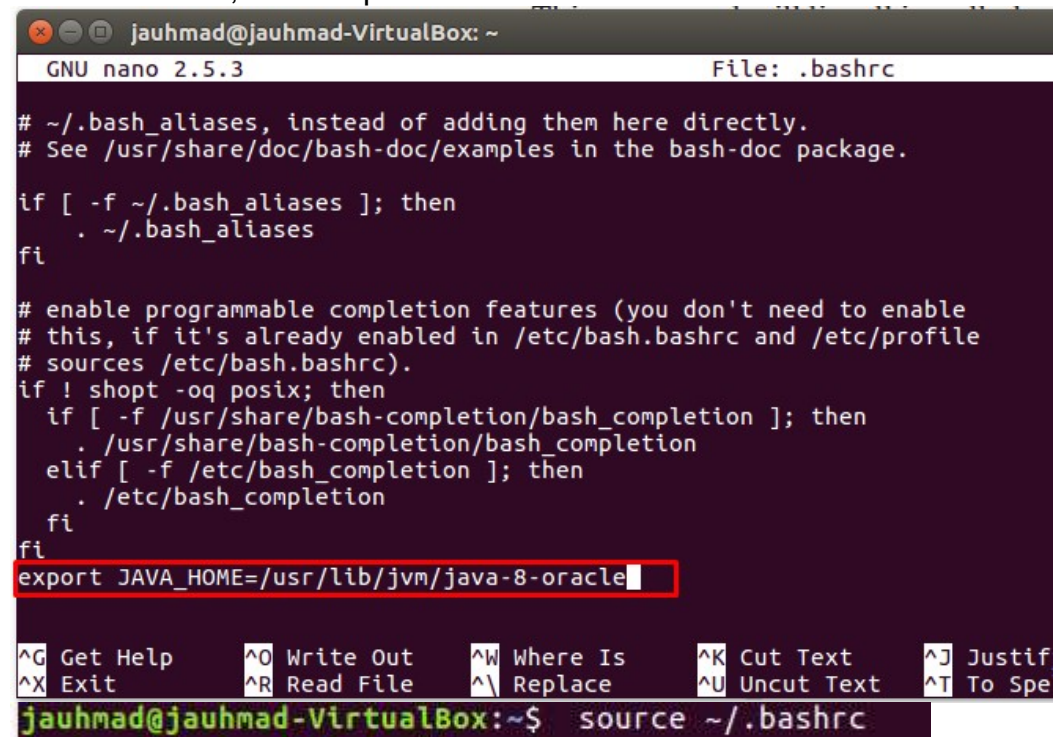
Update

```
jauhmad@jauhmad-VirtualBox:~$ sudo apt-get update
Get:1 http://ppa.launchpad.net/webupd8team/java/ubuntu xenial InRelease [17,6 kB]
Get:2 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
Hit:3 http://id.archive.ubuntu.com/ubuntu xenial InRelease
```

Cek java yang sudah terinstall

```
jauhmad@jauhmad-VirtualBox:~$ sudo update-alternatives --config java
There is only one alternative in link group java (providing /usr/bin/java): /usr/lib/jvm/java-8-o
penjdk-amd64/jre/bin/java
Nothing to configure.
```

2. Edit file .bashrc, tambah perintah berikut:



```
jauhmad@jauhmad-VirtualBox: ~
GNU nano 2.5.3 File: .bashrc

# ~/.bash_aliases, instead of adding them here directly.
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash_aliases ]; then
    . ~/.bash_aliases
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi
fi
export JAVA_HOME=/usr/lib/jvm/java-8-oracle

^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justif
^X Exit      ^R Read File  ^\ Replace   ^U Uncut Text ^T To Spe

jauhmad@jauhmad-VirtualBox:~$ source ~/.bashrc
```

3. Install Dependency

```
jauhmad@jauhmad-VirtualBox:~$ sudo apt-get install apt-transport-https ca-certif
icates wget dirmngr gnupg software-properties-common unzip -y
[sudo] password for jauhmad:
Reading package lists... Done
```

4. Download Apache OFBiz

```
jauhmad@jauhmad-VirtualBox:~$ wget https://archive.apache.org/dist/ofbiz/apache-
ofbiz-16.11.05.zip
```

5. Unzip

```
jauhmad@jauhmad-VirtualBox:~$ unzip apache-ofbiz-16.11.05.zip
```

```
jauhmad@jauhmad-VirtualBox:~$ cd apache-ofbiz-16.11.05
jauhmad@jauhmad-VirtualBox:~/apache-ofbiz-16.11.05$
```

6. Run installer

```
jauhmad@jauhmad-VirtualBox:~/apache-ofbiz-16.11.05$ sudo ./gradlew cleanAll loadDefault
[sudo] password for jauhmad:
Downloading https://services.gradle.org/distributions/gradle-2.13-bin.zip
```

7. Tes hasil instalasi

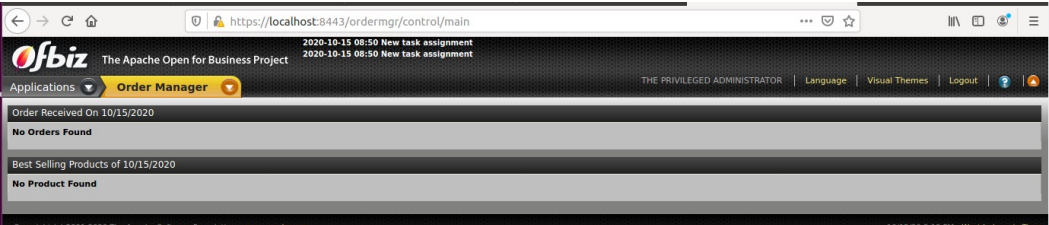
```
jauhmad@jauhmad-VirtualBox:~/apache-ofbiz-16.11.05$ sudo ./gradlew "ofbiz --load
-data readers=seed"
```

```
jauhmad@jauhmad-VirtualBox:~/apache-ofbiz-16.11.05$ sudo ./gradlew "ofbiz --load
-data readers=seed,seed-initial,ext"
```

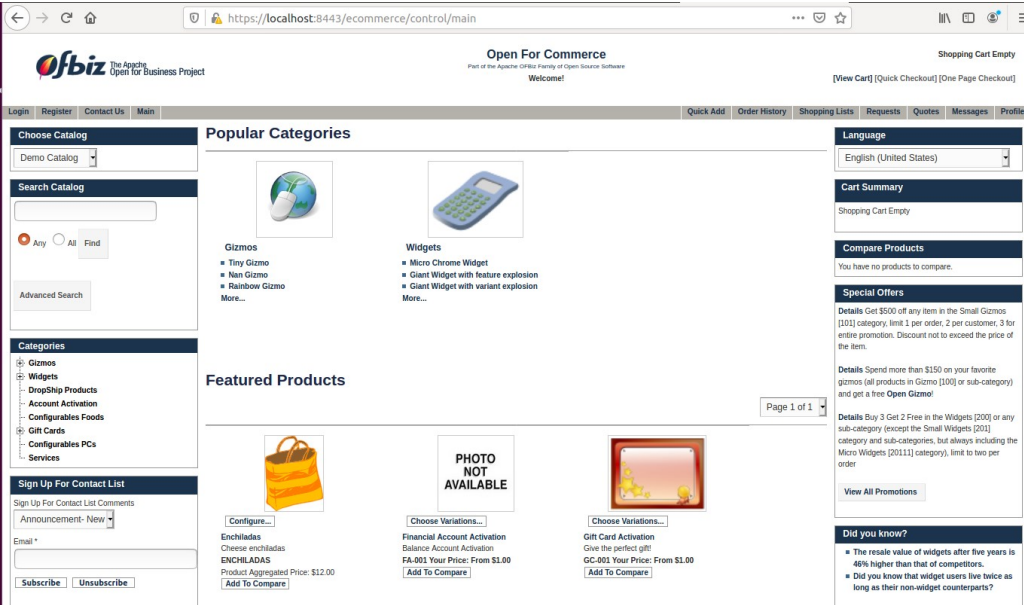
8. Start Apache OFBiz

```
jauhmad@jauhmad-VirtualBox:~/apache-ofbiz-16.11.05$ sudo ./gradlew ofbiz
```

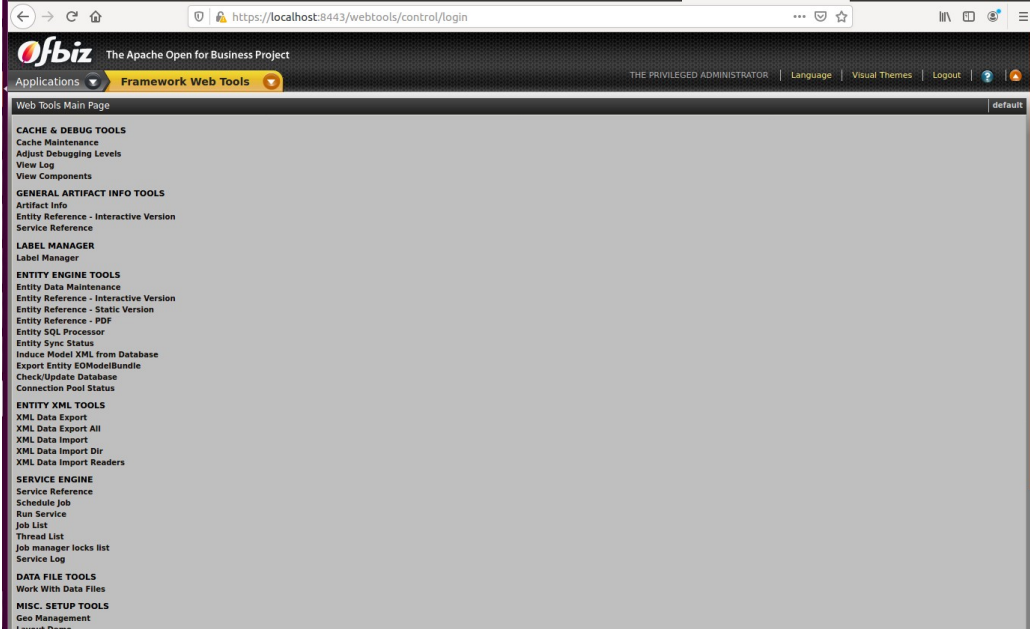
9. Default Dashboard



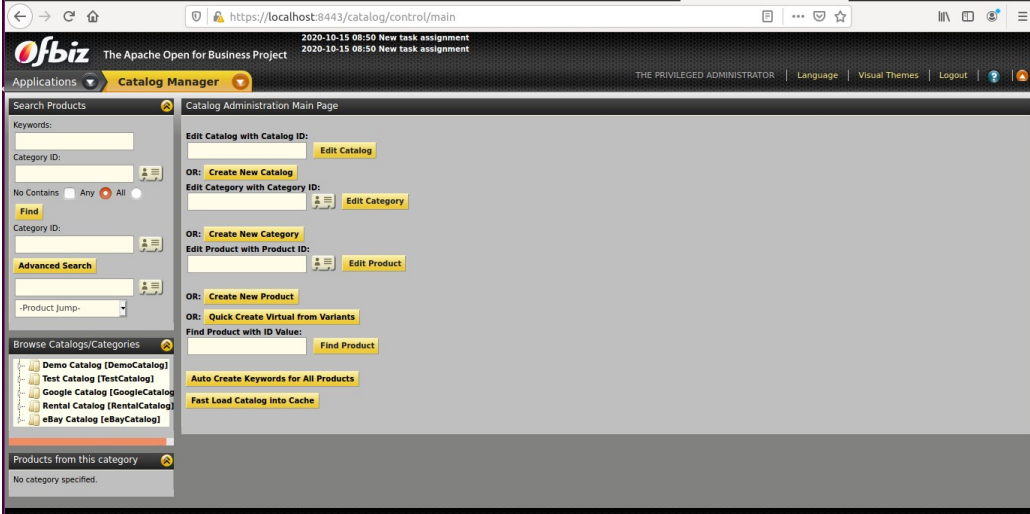
e-commerce



Webtools



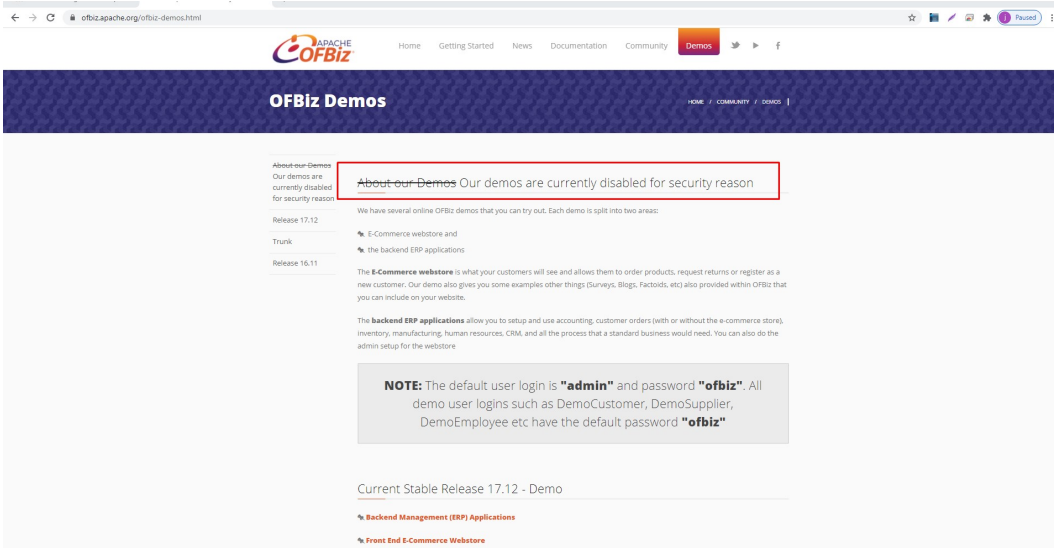
Catalog



Tugas

Dengan menggunakan fasilitas demo, pilihlah E-Commerce webstore atau backend ERP. Setelah itu, buatlah panduan dasar pemakaiannya. Anda bebas memilih tema (misal - panduan berbelanja di Webstore E-Commerce). Gunakan kreativitas anda.

Penyelesaian



Fasilitas demo di-disable

KESMIPULAN

Apache OFBiz adalah produk open source yang dirancang khusus untuk otomatisasi proses perusahaan yang mencakup komponen kerangka kerja dan aplikasi bisnis untuk ERP (Enterprise Resource Planning), CRM (Customer Relationship Management), E-Business / E-Commerce, SCM (Supply Chain Management), MRP (Manufacturing Resource Planning), MMS/EAM (Maintenance Management System/Enterprise Asset Management).
