

# Ofbiz as a development framework - release 10.04

## Overview

This page is a work-in-progress to document my progress in separating the ofbiz core from the rest of the applications to allow users to focus on using ofbiz as a standalone development framework.

## Why?

Ofbiz is a very productive framework for creating enterprise applications. However, installing ofbiz with all of it's OOTB functionality just to use ofbiz as a development framework is a waste of resources. Also, newcomers to ofbiz may be put off by the complexity of ofbiz OOTB.

## Ofbiz 10.04

Ofbiz 10.04 is the current stable release at the time of writing.

## Download, install and setup 10.04.

If you are unsure how to proceed with this, I recommend reading the [ofbiz beginners tutorial](#)

## Comment out the following components in \$OFBIZ\_HOME/applications/component-load.xml

```
<component-loader xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="http://ofbiz.apache.org/dtds/component-loader.xsd">
  <!-- <load-component component-location="party"/>-->
  <!-- <load-component component-location="securityext"/>-->
  <!-- <load-component component-location="content"/>-->
  <!-- <load-component component-location="workeffort"/>-->
  <!-- <load-component component-location="product"/>-->
  <!-- <load-component component-location="manufacturing"/>-->
  <!-- <load-component component-location="accounting"/>-->
  <!-- <load-component component-location="humanres"/>-->
  <!-- <load-component component-location="order"/>-->
  <!-- <load-component component-location="marketing"/>-->
  <!-- common component used by most other components last because it uses info from most components-->
  <!-- <load-component component-location="commonext"/>-->
</component-loader>
```

Comment out the following components in \$OFBIZ\_HOME/specialpurpose/component-load.xml

```

<component-loader xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:noNamespaceSchemaLocation="http://ofbiz.apache.org/dtds/component-loader.xsd">
  <!-- <load-component component-location="ecommerce"/>-->
  <!-- <load-component component-location="pos"/>-->
  <!-- <load-component component-location="hhfacility"/>-->
  <!-- <load-component component-location="assetmaint"/>-->
  <!-- <load-component component-location="cmssite"/>-->
  <!-- <load-component component-location="ofbizwebsite"/>-->
  <!-- <load-component component-location="projectmgr"/>-->
  <!-- <load-component component-location="oagis"/>-->
  <!-- <load-component component-location="googlebase"/>-->
  <!-- <load-component component-location="googlecheckout"/>-->
  <!-- <load-component component-location="ebay"/>-->
  <!-- <load-component component-location="ebaystore"/>-->
  <!-- <load-component component-location="myportal"/>-->
  <!-- <load-component component-location="webpos"/>-->
  <!-- <load-component component-location="crowd"/>-->
  <!-- <load-component component-location="ldap"/>-->
  <!-- <load-component component-location="workflow"/> -->
  <!-- <load-component component-location="shark"/> -->
</component-loader>

```

Comment out the following compents in \$OFBIZ\_HOME/framework/component-load.xml

```

<component-loader xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:noNamespaceSchemaLocation="http://ofbiz.apache.org/dtds/component-loader.xsd">
  <load-component component-location="geronimo"/>
  <load-component component-location="sql"/>
  <load-component component-location="entity"/>
  <load-component component-location="catalina"/>
  <!-- <load-component component-location="jetty"/> -->
  <load-component component-location="security"/>
  <load-component component-location="datafile"/>
  <load-component component-location="minilang"/>
  <load-component component-location="common"/>
  <load-component component-location="service"/>
  <load-component component-location="entityext"/>
  <load-component component-location="bi"/>
  <load-component component-location="birt"/>
  <load-component component-location="webapp"/>
  <load-component component-location="guiapp"/>
  <load-component component-location="widget"/>
  <load-component component-location="appserver"/>
  <load-component component-location="testtools"/>
  <load-component component-location="webtools"/>
  <load-component component-location="webslinger"/>
  <load-component component-location="images"/>
  <!-- <load-component component-location="example"/>-->
  <!-- <load-component component-location="exampleext"/>-->
</component-loader>

```

Comment out themes - see Bugs section below

Comment out theme preferences in \$OFBIZ\_HOME/themes/biznesstime/includes/header.ftl

```
<div id="preferences" style="display:none">
  <a href="@ofbizUrl>ListLocales</ofbizUrl" id="language">${uiLabelMap.CommonLanguageTitle} - ${locale.
getDisplayDisplayName(locale)}</a>
  <a href="@ofbizUrl>ListTimezones</ofbizUrl" id="timezone">${nowTimestamp?datetime?string.short} -
${timeZone.getDisplayName(timeZone.useDaylightTime(), Static["java.util.TimeZone"].LONG, locale)}</a>
  <!--
  <a href="@ofbizUrl>ListVisualThemes</ofbizUrl" id="theme">${uiLabelMap.CommonVisualThemes}</a>
  -->
</div>
```

Comment out help link in \$OFBIZ\_HOME/themes/biznesstime/includes/header.ftl

```
<!-- notice the last "false" in the if statement to make the if condition always return false -->
<#if webSiteId?exists && requestAttributes._CURRENT_VIEW_?exists && false>
  <#include "component://common/webcommon/includes/helpLink.ftl" />
  <span><a href="javascript:lookup_popup2('showHelp?helpTopic=${helpTopic}&amp;portalPageId=${parameters.
portalPageId?if_exists}','help' ,500,500);">${uiLabelMap.CommonHelp}</a></span>
</#if>
```

## Load data and run ofbiz

Next run the ant target "run-install" and "create-admin-user-login" to populate the database.

If you now startup ofbiz (e.g. using startofbiz.bat/startofbiz.sh) and go to <https://localhost:8443/webtools> and login as "admin / ofbiz", you will find that only the core components are loaded.

At this stage, you don't have a mechanism for adding user logins or for setting user permissions. This functionality will need to be created.

## Create a component

(if the application is still running from the previous step, kill it)

```
./ant create-component
```

E.g.

```
create-component:
[input] Component name: (e.g. mycomponent)
mycomponent
[input] Component resource name: (e.g. MyComponent)
MyComponent
[input] Webapp name: (e.g. mycomponent)
mycomponent
[input] Base permission: (e.g. MYCOMPONENT)
MYCOMPONENT
[echo] The following hot-deploy component will be created:
[echo] Name: mycomponent
[echo] Resource Name: MyComponent
[echo] Webapp Name: mycomponent
[echo] Base permission: MYCOMPONENT
[echo] Folder: /home/snowch/workspace/ofbiz.tr.framework/hot-deploy/mycomponent
[echo]
[input] Confirm: (Y, [N], y, n)
Y
```

Grants access for admin user to mycomponent:

```
./ant run-install-seed
```

run-install-seed loads the security data in /hot-deploy/mycomponent/data/MyComponentSecurityData.xml

navigate to <http://localhost:8443/mycomponent/control/main> - login as admin/ofbiz

## Bugs

OFBIZ-3499 - Help dependency on Content  
OFBIZ-3498 - Visual Themes dependency on Party  
OFBIZ-3501 - ServerHitBin dependency on Content

## See also

There is a longer term effort looking at separating the framework, see [Framework-only+distribution](#)