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# Krakow Platform Home



## Team

### Team meetings

- Dev Talks

### Team standards

- BugDB Bug flow process
- Git commit standards
- Coding standards

## Projects

- FitHub
- Volunteering
- Human Workforce Reputation
- Wellness
- Scheduler Framework Essentials

### Project How -To

#### REST

- How to create ADF REST service
- ADF Rest framework demystified

#### Weblogic

- How to remotely debug Wellness application
- How to deploy Wellness on standalone WLS
- How to set Credentials in WLS Enterprise Manager

## Environment

### Development environment details

- Team repositories
- VMs in Cracow
- Compress DB instances

### Knowledge base

- How to Install Fusion Tech Stack and Deploy the Application
- How to prepare and patch HWR/HWR-Cardea database
- Git tips

# Knowledge Base

## ADF/Fusion knowledge base

How to correct simple Oracle ADF Runtime Errors

### Fusion Standards

- Applications Standards and Patterns including UI Standards and Patterns
- Forbidden UI CSS inline styles
- File.AdfModel rules
- JAudit Rules
- Allowed ADF BC APIs
- How to request exemption

### Servlets

- Servlet security implementation
- Exemption request review

### REST

- Developing REST Resources by Ken Mizuta
- ADF REST Fusion Standards
- ADF REST documentation

### Data Model

- Table Creation Guidelines
- ADF BC Model Java Best Practices
- How to create Multilingual Entity Objects

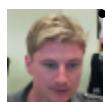
### Tests

- Unit testing in Fusion
- Applications Test Framework Documentation (Unit testing)
- Testing task flows using portlet bridge

### Miscellaneous

- ADF MVC architecture explained
- ADF Faces
- Oracle® Fusion Applications Developer's Guide 11g Release 1 (11.1.1.5) - Contents
- Fusion Middleware Fusion Developer's Guide for Oracle Application Development Framework - Contents
- Fusion Applications J2EE Application Structure

## Recent space activity



### Marcin Rybak

- Dev Talks updated 15 minutes ago • view change



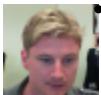
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## Space contributors

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- [How to start TeamCity](#) updated yesterday at 12:29 PM • [view change](#)



- **Marcin Rybak**
- [Krakow Platform Home](#) updated Sep 06, 2016 • [view change](#)



## ADF - essentials

### Resources

#### ADF Resources Tour

[http://download.oracle.com/otn\\_hosted\\_doc/jdeveloper/11gdemos/ADFTour/ADFTour.html](http://download.oracle.com/otn_hosted_doc/jdeveloper/11gdemos/ADFTour/ADFTour.html)

This video gives a broad overview of all our collateral. 10 minutes watching this should highlight the key resources to help you - the reason we recorded this video was because we would often have to write emails like this where we would point out all the various resources - this way, we just point to the video.

#### Advanced ADF ECourse

[https://blogs.oracle.com/grantronald/entry/learn\\_advanced\\_adf\\_online\\_for](https://blogs.oracle.com/grantronald/entry/learn_advanced_adf_online_for)

#### Components reference

[http://docs.oracle.com/cd/E15051\\_01/apirefs.1111/e12419/](http://docs.oracle.com/cd/E15051_01/apirefs.1111/e12419/)

#### Debugging

<http://www.oracle.com/technetwork/developer-tools/adf/learnmore/adfinsider-093342.html> (then search on debug)

#### Version Control/Hudson/Testing

<http://www.oracle.com/technetwork/articles/adf/adf-essentials-098792.html>

[http://download.oracle.com/otn\\_hosted\\_doc/jdeveloper/11gdemos/project\\_reuse/team\\_reuse.html](http://download.oracle.com/otn_hosted_doc/jdeveloper/11gdemos/project_reuse/team_reuse.html)

#### Faces Lifecycle

[http://docs.oracle.com/cd/E15523\\_01/web.1111/b31973/af\\_lifecycle.htm](http://docs.oracle.com/cd/E15523_01/web.1111/b31973/af_lifecycle.htm)

[http://docs.oracle.com/cd/E15051\\_01/web.1111/b31974/adf\\_lifecycle.htm](http://docs.oracle.com/cd/E15051_01/web.1111/b31974/adf_lifecycle.htm)

#### Security

[http://download.oracle.com/otn\\_hosted\\_doc/jdeveloper/11gdemos/AdfSecurity/AdfSecurity.html](http://download.oracle.com/otn_hosted_doc/jdeveloper/11gdemos/AdfSecurity/AdfSecurity.html)

[http://download.oracle.com/otn\\_hosted\\_doc/jdeveloper/11gdemos/adf\\_security1/adf\\_security1.html](http://download.oracle.com/otn_hosted_doc/jdeveloper/11gdemos/adf_security1/adf_security1.html)

[http://download.oracle.com/otn\\_hosted\\_doc/jdeveloper/11gdemos/adf\\_security2/adf\\_security2.html](http://download.oracle.com/otn_hosted_doc/jdeveloper/11gdemos/adf_security2/adf_security2.html)

[http://download.oracle.com/otn\\_hosted\\_doc/jdeveloper/11gdemos/adf\\_oam\\_integration/adf\\_oam\\_integration.html](http://download.oracle.com/otn_hosted_doc/jdeveloper/11gdemos/adf_oam_integration/adf_oam_integration.html)

#### Best Practices

<http://www.youtube.com/watch?v=zgyyyHKT3i4&feature=plcp>

<http://www.youtube.com/watch?v=h1CZrH1q1aw&feature=plcp>

## ADF Code Corner - articles, code samples

<http://www.oracle.com/technetwork/developer-tools/adf/learnmore/index-101235.html>

## Oracle Service Bus 11g Development Cookbook

<http://techbus.safaribooksonline.com/book/-/9781849684446>

## JSF / ADF lifecycle

<http://www.slideshare.net/stevendavelaar/18-invaluable-lessons-about-adfjsf-interaction#btnNext>

## JDeveloper

- Tutorials on creating ADF/JSF/JEE/Swing applications and database diagrams/schema in JDeveloper with examples: [http://docs.oracle.com/cd/E18941\\_01/tutorials/toc.htm](http://docs.oracle.com/cd/E18941_01/tutorials/toc.htm)
- Keyboard shortcuts: <http://sureshkrishna.com/blog/?p=521>
- Tips: <http://www.slideshare.net/shay.shmeltzer/7-tips-for-better-jdeveloper-experience>

## ADF Security

- Introduction to ADF Security in JDeveloper - <http://www.oracle.com/technetwork/developer-tools/jdev/adfsecurity-10132-086368.html>
- Developing Secure Applications with Fusion Middleware - [http://docs.oracle.com/cd/E16162\\_01/user.1112/e17455/dev\\_secure\\_apps.htm#OJDUG1167](http://docs.oracle.com/cd/E16162_01/user.1112/e17455/dev_secure_apps.htm#OJDUG1167)
- Enabling ADF Security in a Fusion Web Application - [http://docs.oracle.com/cd/E21764\\_01/web.1111/b31974/adding\\_security.htm#ADF\\_FD877](http://docs.oracle.com/cd/E21764_01/web.1111/b31974/adding_security.htm#ADF_FD877)

## Oracle ADF Real World Developer's Guide book

- Safari: <http://techbus.safaribooksonline.com/book/-/9781849684828>
- Amazon: <http://www.amazon.com/dp/1849684820/?tag=stackoverfl08-20>

## Youtube channels on ADF

- ADF Insider Essentials: <https://www.youtube.com/user/ADFIInsiderEssentials>
- ADF Architecture TV: <https://www.youtube.com/user/adfarcht>

## Communities

- Google+ : <https://plus.google.com/u/0/communities/113990885678873525746>
- ADF methodology: <https://groups.google.com/forum/#!forum/adf-methodology>

## Source Code

- How to debug with ADF source code

## ADF Richclient Demo

- ADF Faces Layouts Demo - A Hidden Treasure
- How-to deploy and run the ADF Faces Rich Client Components 11g Demo

# ASE - essentials

## Fusion security

- <https://docs.oracle.com/middleware/1213/idm/app-security/toc.htm> - Fusion Middleware Application Security with Oracle Platform Security Services specifically
- [http://docs.oracle.com/cd/E25178\\_01/fusionapps.1111/e16689/toc.htm](http://docs.oracle.com/cd/E25178_01/fusionapps.1111/e16689/toc.htm) - Fusion Applications Security Guide (as it was before IDM decoupling)
- <http://www.ateam-oracle.com/introduction-to-fusion-applications-roles-concepts/> - Fusion Applications Roles Concepts
- <http://review.us.oracle.com/review2/Review.html#reviewId=30073> - quite old doc, is it valid?
- Course: "Fusion Applications: HCM Security Ed 2" - Self-service apps -> PL Employee Self-service -> Enroll and cancel training

## ASE overview

- ASE Domain Model and Architecture Overview v2.ppt
- Identity Integration Design Overview

## Wiki sites

- [R12 security functional requirements and program management wiki](#). (including ASE). FA Only. Curated by Kim Wilmot and Fred Voltmer.
- [FA-IDM Decoupling Tracking](#). Tracks executive status of R12/PS7/Decoupling project, including updates to Thomas. FA, IDM, FA-LCM. Curated by Fred Voltmer.
- [Oracle Fusion Applications Security Home](#) - ASE dev Confluence space
- <https://stbeehive.oracle.com/teamcollab/overview/Applications+Security> - dev Beehive site for all the projects related to Fusion Application - Identity Management System decoupling, including ASE. this site somewhat out of date now for functional requirements, but several technical references may still be useful.

## Jira

<https://jira.oraclecorp.com/jira/browse/OFAS>

## DIT environment

<https://efops-rel10-st1dit-external-fs.us.oracle.com/homePage/faces/FuseWelcome>

Log in as IT\_SECURITY\_MANAGER / Welcome1, then go to Tools -> Security Console.

**Please do not modify any data there - just in case.**

## Hudson

<http://slc03qfl.us.oracle.com:18080/view/ASE%20Preflight/>

## ASE backlog

- Segregation of Duties in Role Management
  - Existing Segregation of Duty Violation Checks
- SSO Administration
  - Credentials store configuration in ASE
  - SSO Administration Backlog
  - Topology Manager Workaround

## Segregation of Duties in Role Management

## JIRA

## BugDB

BUG 16711533 - VIEW SOD VIOLATIONS FOR A GIVEN ROLE

## FDDSO

[http://review.us.oracle.com/review2/Review.html#reviewId=152417;documentId=435668;scope=document;status=open,fixed;fragment=\\_Ref414996985](http://review.us.oracle.com/review2/Review.html#reviewId=152417;documentId=435668;scope=document;status=open,fixed;fragment=_Ref414996985)

## FDD

<http://review.us.oracle.com/review2/Review.html#reviewId=262901>

~~<http://review.us.oracle.com/review2/Review.html#reviewId=254262;documentId=901428;scope=document;status=open>~~

## Wireframe

<http://review.us.oracle.com/review2/Review.html#reviewId=254262;documentId=901427;scope=document;status=open>

## TDD

SOD

## Key people

- Huyvu, John Beltz, Hugo Yeh - any dependency on the GRC UI
- Yasin, Alan Waxman - GRC API and engine dependencies

## Existing Segregation of Duty Violation Checks

For now SoD violation checks are performed by OIM ( Oracle Identity Manager ). There are lot of configuration work to do before we can use it.

All information can be found here:

[https://docs.oracle.com/cd/E28280\\_01/doc.1111/e14309/segduties.htm#OMDEV1663](https://docs.oracle.com/cd/E28280_01/doc.1111/e14309/segduties.htm#OMDEV1663)

The most important points:

- **SoD Invocation Library (SIL)** - Java based API adapter to use in code, but under-the-hood different SoD Engine can perform SoD checks.
- SoD Engine can be synchronous or asynchronous
- XML file contains violation check request is sent to SoD Engine
- oracle.iam.grc.sod.api.SILService is used for implementation.
- Whole javadoc documentation describing SILService can be found [here](#)

## SSO Administration

### Tasks

Backlog

### BugDB tickets

- BUG 21225967 - ASE: SSO GET OAM CREDENTIALS FROM CRED STORE - regarding OIF credentials retrieval
- BUG 20914750 - REL12 - ASE TO PROVIDE A PUBLIC API TO RETRIEVE SSO ENABLED FLAG - regarding storing change password URL via admin settings

- BUG 20882830 - ASE: OAM ADDED ADR TRACKING - regarding using Topology Manager for OIF

## Resources

SSO Administration - from the ASE wiki

## Key people

- Wayne Usher - US ASE team, designed the overall solutions
- Praveen Avidi - IDC ASE team, primary contact for existing UI implementation
- Paresh Raote - Fusion Middleware Security Services, support for any issues/gaps in OIF REST APIs

## Credentials store configuration in ASE

To use SSO test environment we need username and password and now it is retrieved from credential store. In order to make it work properly we need to modify credentials in weblogic:

- 1) Login to the Enterprise Manager of for your WLS: <http://<hostname>:<port>/em>
- 2) Expand WebLogic Domain from left and **right click** on fusion\_domain
- 3) Select Security - > Credentials
- 4) Search for key: FUSION\_APPS\_PATCH\_OAM\_ADMIN-KEY
- 5) Edit it using user 'weblogic\_idm' and password 'Fusionapps1'
- 6) Restart weblogic.

## SSO Administration Backlog

### 1. Fix issues in existing implementation:

- a. NPE at the beginning - entering into admin panel - probably this is reason of why saved data are not read - or probably this is caused by missing test environment
- b. download identity provider - at the moment - DIP download data that user uploaded - is it right approach?
- c. metadata are 'saved' even if invalid - for example text instead of XML
- d. invalid metadata (xml not SAML 2.0 like <metadaten></metadane>) are saved - despite message that "You must enter valid identity provider metadata. Ensure the metadata conforms to the SAML version 2.0 or higher standard."
- e. start single sign-on test provider - doesn't work - probably because of missing test environment

### 2. Implement (replace commented out implementation with ASEAdminSettings ) to save password change URL - exemplary implementation: UsernameGenerationSettingImpl.java

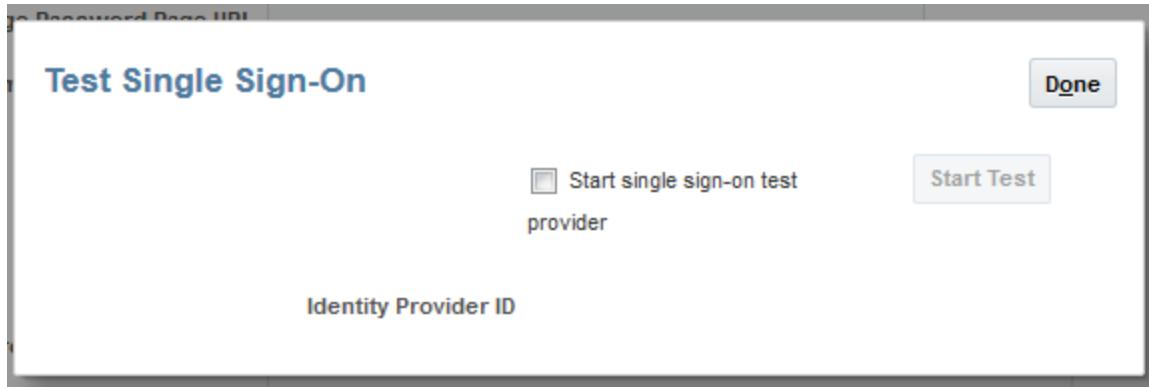
### 3. Use Topology Manager to retrieve URL's for OIF services - probably EndPointProvider.

### 4. Find out tenant name that should be used and use it in implementation (to get idProviderId) check documentation (OIF REST interface) how to do it.

### 5. Currently in implementation ssoChooser attribute value is set to "false" what is not always valid. Documentation, trial & error or any other technique to learn how it should be done.

### 6. Missing functionality - there is no popup to display SSO test. Scenario is as follow (steps from c. should be displayed in new popup - according to my call with Wayne - perhaps it is worth asking Product manager):

- a. user select checkbox 'start single sign-on test provider '



- b. Press test button "that should be then enabled"
- c. Popup should be displayed with content from URL:<http://adc00peq.us.oracle.com:7499/fed/user/testspss> (example - assuming valid server name)

- d. one IdP should be available and user should select it and select "default configuration" and press "run SSO"
- e. user should provide username/password in provided form (alice/test - as example)

- f. result should be displayed.

g. values from result should be displayed in test window

More detailed description of the test procedure is placed here: <http://review.us.oracle.com/review2/Review.html#reviewId=229942;scope=document;status=open,fixed;documentId=682607>

According to latest investigation - this functionality is probably implemented in simple way, there is following markup:

```
<af:goButton targetFrame="_blank" destination="#{pageFlowScope.ssoBean.providerUrl}"
textAndAccessKey="#{hcmapplicationssecuritypublicuiBundle['Action.StartTest.StartSingleSignOnTest']}"
id="cb7" styleClass="AppsBoldFont"
disabled="#{!pageFlowScope.ssoBean.startTestServer}"/>
```

in SSOSettingsTab.jsff that opens new window with provided URL. So first thing to do, when test environment is available, is to test whether this works.

## 7. Solve TODO's like "if not null throw exception" and handle exceptions

## 8. Implement unit tests - checking whether it is possible to mock SSOConnectionUtil - to return dummy data

## 9. Implement mock REST service - can be in PHP or whatever that is simple and fast :)

## Topology Manager Workaround

Local (associated with DB) Topology Manager might not have entry for OIF (Oracle Access Manager configured also as OIF).

In order to make development/testing possible we can execute below statement on DB to add proper entry.

```
Insert into ASK_ENTERPRISE_APPLICATIONS
(ENTERPRISE_APPLICATION_ID,NAME,SHORT_NAME,SOURCE_FILE,VERSION,DESCRIPTION,TYPE,VISIBLE,FOR_SETUP,GROUP_NAME,INSTALL_DIR,DEPENDENCY,CLUSTER_ID,OBJECT_VERSION_NUMBER,ENTERPRISE_ID,DEFAULT_URL,SECURITY_STRIPE,CREATION_DATE,CREATED_BY,LAST_UPDATED_BY,LAST_UPDATE_DATE,LAST_UPDATE_LOGIN,TEMPLATE,INITIAL_VERSION_ID,OBSOLETE_VERSION_ID) values
(400000,'ORA_ORACLEACCESSMANAGERAPP','ORA_ORACLEACCESSMANAGER',null,null,'Test',null,null,null,null,null,'MANDATORY',2843
64,'21','0','http://slcai827.us.oracle.com:7777','fscm,to_timestamp('11/03/30 07:42:05,781000000','RR/MM/DD
HH24:MI:SSXFF'),'SEED_DATA_FROM_APPLICATION','SEED_DATA_FROM_APPLICATION',to_timestamp('15/03/12
18:14:27,870000000','RR/MM/DD HH24:MI:SSXFF'),-1,null,null,null);
```

```
Insert into ASK_MODULES
(MODULE_ID,MODULE_SHORT_NAME,MODULE_NAME,MODULE_DESCRIPTION,CONTEXT_ROOT,MODULE_TYPE_ID,ENTERPRISE_APPLICATION_ID,PUBLISH_ADF_DOMAIN_CONFIG,OBJECT_VERSION_NUMBER,ENTERPRISE_ID,CREATION_DATE,CREATED_BY,LAST_UPDATED_BY,LAST_UPDATE_DATE,LAST_UPDATE_LOGIN,INITIAL_VERSION_ID,OBSOLETE_VERSION_ID) values
(400000,'ORA_ORACLEACCESSMANAGER','ORA_ORACLEACCESSMANAGER','ORA_ORACLEACCESSMANAGER','finCollCorrespondence
','161169','400000','N','45','0',to_timestamp('11/03/30 07:42:11,253000000','RR/MM/DD
HH24:MI:SSXFF'),'SEED_DATA_FROM_APPLICATION','SEED_DATA_FROM_APPLICATION',to_timestamp('14/01/09
23:45:08,231000000','RR/MM/DD HH24:MI:SSXFF'),null,null,null);
```

```

Insert into ASK_DEPLOYED_APPLICATIONS
(DEPLOYED_APP_ID,APPLICATION_CLOUD_ID,ENTERPRISE_APPLICATION_ID,NAME,HOST,PORT,PLUG_FLAG,DOWNTIME_MESSAGE,
DATABASE_ID,DEPLOYED_DOMAIN_ID,IPATH,STATUS,LOCATION_STATUS,INSTALL_DATE,MANAGED_SERVER_URL,DEPLOYED_P
ILLAR_ID,DEFAULT_URL,PROTOCOL,OBJECT_VERSION_NUMBER,ENTERPRISE_ID,CREATION_DATE,CREATED_BY,LAST_UPDATED_
BY,LAST_UPDATE_DATE,LAST_UPDATE_LOGIN,SECURITY_POLICY_ID) values ('400000','161172','400000','OAM','http://slcai827.us.oracle.
com','7777',null,null,null,null,null,null,null,'http','1','1',to_timestamp('15/04/14 12:09:31,000000000','RR/MM/DD
HH24:MI:SSXFF'),'TM_PLSQL_USER','TM_PLSQL_USER',to_timestamp('15/04/14 12:09:31,000000000','RR/MM/DD
HH24:MI:SSXFF'),'TM_PLSQL_USER',null);

```

I used some arbitrary values like:

ENTERPRISE\_APPLICATION\_ID = 400000

DEPLOYED\_APP\_ID = 400000

This numbers are high enough (I hope) to not make problems in near future.

SQL script: [TopMgrWorkaround.sql](#)

## Dev env setup

### 1. Create view (better double check the exact label)

```

ade createview -label FUSIONAPPS_PT.DEVSEC3_LINUX.X64_150620.0600.S
<view_name>

```

### 2. Enter to view

```

ade useview <view_name>

```

### 3. Configure Weblogic

#### 3.a. You need **property file**:

If something goes wrong then script will provide you alternative path - for example:  
\$ADE\_VIEW\_ROOT/fatools/tools/wlsconfig/fadev/ps6rc3/fusion\_apps\_wls.properties

#### 3.b You have to be in a view --- because it uses tags defined by the view ...

properties file contains details like ... DB connection, port number, family name,etc

Update your property file <file\_name>.properties file:

- familyName=hcm
- domainType=adminall
- provide soa port
- ESSrunTime=yes

You'll need to update the DB connection info:

```

[database]
dbConnection=changeme.us.oracle.com:1522:changeme

```

to use the following connection (this is for R12):

```
dbConnection=slcak354.us.oracle.com:1541:ems12518
```

### 3.c you need to run the script:

```
$ADE_VIEW_ROOT/fatools/tools/wlsconfig/wlsconfig.sh -p  
<properties_file_path>
```

## 4. Deploying application

### 4.a Put some setting so ~/.cshrc file (exemplary content)

```
setenv ADE_SITE ade_fusion_adc
#setenv ADE_SITE ade_farm_slc
#setenv ADE_INCLUDE_LABEL_SERVERS
/ade_autoofs/ade_infra,/ade_autoofs/gd24_lcm,/ade_autoofs/ud21_fa
setenv ADE_INCLUDE_LABEL_SERVERS
/ade_autoofs/ade_generic,/ade_autoofs/ade_release_unit,/ade_autoofs/ade_fusio
n_linux,/ade_autoofs/ade_infra,/ade_autoofs/gd24_lcm,/ade_autoofs/ud21_fa,/ad
e_autoofs/dd23_fa,ade_autoofs/nfsdo_fusion_linux
setenv ADE_EXPAND_SPEC
"fmwtools/*:fusionapps/jlib/*:fusionapps/hcm/*:fusionapps/grc/*"
setenv PATH ${PATH}:${HOME}/bin
#/opt/apache-maven-3.2.5/bin

setenv ADE_BUG_USERNAME kniemiec

if (! $?ADE_SKIP_HARDCODED_EXPANDS) then
setenv ADE_SKIP_HARDCODED_EXPANDS 1
setenv ADE_EXPAND_SPEC
"fmwtools/*:fusionapps/jlib/*:fusionapps/hcm/*:fusionapps/grc/*"
endif
```

### 4.b Create deployment configuration file:

```

java -classpath
$ADE_VIEW_ROOT/fabuildtools/lib/customtasks.jar:$MW_HOME/oracle_common/modules/oracle.xdk_11.1.0/xmlparserv2.jar:$JDEV_HOME/ant/lib/ant.jar:$JDEV_HOME/jdev/extensions/oracle.odi.navigator/lib/ojdbc5.jar:$MW_HOME/oracle_common/modules/oracle.jps_11.1.1/jps-internal.jar:$MW_HOME/oracle_common/modules/oracle.jps_11.1.1/jps-api.jar:$MW_HOME/wlserver_10.3/server/lib/weblogic.jar oracle.anttasks.deploy.GenerateEnvXML
mappingxml=$ADE_VIEW_ROOT/fabuildtools/lib/mapping.xml
dburl=slcak354.us.oracle.com:1541:ems12518
weblogicdomainurl=<your_weblogic like this
http://slc09izk.us.oracle.com:7031/console> weblogicadminuser1=weblogic
weblogicadminpass1=weblogic1 wlsosuser1=kniemiec
wlsospassword1=<your_password> outfile=<your configuraiton file>

```

#### 4.c Creating clone of repository (applicationSecurity)

```

git clone
ssh://kniemiec@re-git.us.oracle.com:29418/ASE/applicationsSecurity && scp
-p -P 29418 kniemiec@re-git.us.oracle.com:hooks/commit-msg
applicationsSecurity/.git/hooks/

```

#### 4.d. Creating symbolic link in your current fusionapp directory and reset to head:

```

cd $ADE_VIEW_ROOT/fusionapps
ln -s /home/kniemiec/dev/ace/applicationsSecurity/.git .git
git reset --hard HEAD
git clean -df --exclude=".adf" --exclude="provisioning"
--exclude="translation" --exclude="graph-visualizer"
--exclude="build*.xml" --exclude="revision_info.txt" --exclude="*.table"
--exclude="ADF_Library_Dependencies.library" --exclude="restModel*"
--exclude="hed" --exclude="grc"

```

#### 4.e. Start Weblogic

```

cd $WL_HOME/bin
/bin/bash -c "nohup ./startWebLogic.sh < /dev/null &> wls.log &"

```

#### 4.f. Run deployment script

```
applicationsSecurity/hcm/ase/noship/aseDeploy.sh -f /home/kniemiec/<your deployment configuration file> -s FUSIONAPPS_PT.11.1.10RHCML_LINUX.X64 --skip --update_jazn
```

## 5. Login to application

http://<HOSTNAME>.us.oracle.com:<PORT>/hcmCore/faces/FuseWelcome

IT\_SECURITY\_MANAGER>Welcome1

Tools -> Security Console

## 6. If icons are not visible - there is only one

then go to page:

<https://confluence.oraclecorp.com/confluence/pages/viewpage.action?pageId=13911173>

and update EXTRA\_JAVA\_PROPERTIES in weblogic using below instructions from page:

- \* Make sure your WLS server is up and running
- \* open setDomainEnv.sh under DOMAINHOME/bin
- \* Search for -DLWSSESSIONCONTEXT
- \* Add -DAPPLCORE\_TEST\_SECURED\_MENU=N just after the JVM parameter
- DLWSSESSIONCONTEXT=oracle.apps.fnd.applcore.common.AppSessionManagement
- \* something like

```
EXTRA_JAVA_PROPERTIES="${EXTRA_JAVA_PROPERTIES}  
-DLWSSESSIONCONTEXT=oracle.apps.fnd.applcore.common.AppSessionManagement -DAPPLCORE_TEST_SECURED_MENU=N  
-Dlog4j.debug=true -Djps.app.credential.overwrite.allowed=true"
```

## Other info

### How to deploy and undeploy (without rebuilding ear file)

```
cd $ADE_VIEW_ROOT/fusionapps/hcm  
ant -f build-core.xml j2eeUnDeploy  
-Denvfile=<path_to_previously_generated_wls_config_file>  
ant -f build-core.xml j2eeDeploy  
-Denvfile=<path_to_previously_generated_wls_config_file>
```

## System JAZN

```
/scratch/software/mw_local/FMWTOOLS_11.1.1.9.0_GENERIC_150419.0246_PATCHES4FA_PS7_PLATFORMS_JDK64/kniemiec/mw_home_standalone/user_projects/domains/fusion_domain  
$MW_HOME_STANDALONE/user_projects/domains/fusion_domain/config/fmwconfig/system-jazn-data.xml
```

## Weblogic logs path

\$MW\_HOME\_STANDALONE/user\_projects/domains/fusion\_domain/servers/AdminServer/logs

## Path to original deploy script (in git repository) aseDeploy.sh

/home/kniemiec/dev/ace/applicationsSecurity/hcm/ase/noship

## Opening project in JDeveloper

1. Open view and start jdev
2. Open fusionapps/hcm/components/hcmCoreSetup/HcmCoreSetup.jws

## Turning on logs in weblogic

cd \$MW\_HOME\_STANDALONE/user\_projects/domain/fusion\_domain/bin  
in startWeblogic.sh file

JAVA\_OPTIONS="\${JAVA\_OPTIONS} -Djava.util.logging.manager=oracle.core.ojdl.logging.ODLLogManager"

replace above line with:

JAVA\_OPTIONS="\${JAVA\_OPTIONS} -Djava.util.logging.manager=oracle.core.ojdl.logging.ODLLogManager -DAFLOG\_LEVEL=FINEST -DAFLOG\_MODULE=% -DAFLOG\_ECHOED=Y -DAFLOG\_ENABLED=Y"  
export JAVA\_OPTIONS

## Enabling remote debugging

To enable debugging on Your WLS You need to:

cd \$MW\_HOME\_STANDALONE/user\_projects/domain/fusion\_domain/bin

in startWeblogic.sh file add following line:

JAVA\_OPTIONS="\${JAVA\_OPTIONS} -Xdebug -Xnoagent -Xrunjdwp:transport=dt\_socket,address=7304,server=y,suspend=n"

7304 is default port value, You may change it.

## String resources

### Resources

- Fusion Error Message Overview
- <http://my.oracle.com/site/pd/apps/fusion/Role/InformationDeveloper/messages/index.htm>
- Error (FND) , Warning (FND) and Confirmation (ADF) Messages extraction out of MRT
- Message Content Guidelines

### Tools

- SR (strings repository)
- Central MRT (messages repository)

## Requesting new strings

To request new strings (i.e. UI labels) or messages (i.e. translatable exception/error/confirmation/warning messages)

1. Go to SR or MRT respectively and create them there. They will have to be approved.
2. If using MRT
  - a. Extract ADF messages from MRT and import to SR
  - b. Export FND messages to the DB
3. Extract XLF from SR and update the file in Git

Mustafa wrote: *Please enter the strings into the SR, then email Mahesh (mahesh.sabapathy@oracle.com - PM) and Michael (michael.laverty@oracle.com - InfoDev) so they can review and approve. Please CC me also so I can be in the loop and to provide support.*

## Bundles

| Name of bundle  | Location  |
|---|---|
| oracle.apps.common.acr.resource.ResourcesGenBundle            | EarHcmCore.ear\APP-INF\lib\AdfResourcesPublicResource.jar |
| oracle.apps.hcm.ase.resource.HcmApplicationsSecurityGenBundle | EarHcmCore.ear\APP-INF\lib\AdfHcmApplicationsSecurityPubl |

## Tests state

I have explored two test projects: **HcmApplicationsSecurityPublicModelSSOAdminTest** and **HcmApplicationsSecurityPublicModelTest**.

Results:

- **HcmApplicationsSecurityPublicModelSSOAdminTest:**  
oracle.apps.hcm.ase.publicModel.service.SSOAdminServiceTest - marked as Ignored, when I umark I get

```
oracle.adf.share.security.ADFSecurityAuthenticationException: JAAS
login error.
    Null or empty password was provided.
        at
    oracle.adf.share.security.authentication.JAASAuthenticationService.do
Login(JAASAuthenticationService.java:123)
        at
    oracle.adf.share.security.authentication.JAASAuthenticationService.lo
gin(JAASAuthenticationService.java:92)
        at
    oracle.adf.share.security.authentication.JAASAuthenticationService.lo
gin(JAASAuthenticationService.java:74)
        at oracle.jbo.common.UserAznUtil.authenticate(UserAznUtil.java:65)
        at
    oracle.jbo.common.UserAznUtil.authenticateUser(UserAznUtil.java:32)
        at
    oracle.jbo.server.ApplicationModuleImpl.prepareSession(ApplicationMod
uleImpl.java:7014)
        at
    oracle.jbo.server.ApplicationPoolMessageHandler.doPoolMessage(Application
PoolMessageHandler.java:182)
        at
    oracle.jbo.server.ApplicationModuleImpl.doPoolMessage(ApplicationModu
leImpl.java:9518)
        at
    oracle.jbo.common.ampool.ApplicationPoolImpl.sendPoolMessage(Application
PoolImpl.java:4529)
        at
    oracle.jbo.common.ampool.ApplicationPoolImpl.prepareApplicationModule
(ApplicationPoolImpl.java:2459)
        at
    oracle.jbo.common.ampool.ApplicationPoolImpl.doCheckout(ApplicationPo
olImpl.java:2269)
        at
    oracle.jbo.common.ampool.ApplicationPoolImpl.useApplicationModule(App
licationPoolImpl.java:3168)
        at
    oracle.jbo.common.ampool.SessionCookieImpl.useApplicationModule(Sessi
onCookieImpl.java:592)
```

```
        at
oracle.jbo.common.ampool.SessionCookieImpl.useApplicationModule(SessionCookieImpl.java:525)
        at
oracle.jbo.common.ampool.SessionCookieImpl.useApplicationModule(SessionCookieImpl.java:520)
        at
oracle.apps.fnd.applcore.log.DebugEventManager.getMessageText(DebugEventManager.java:2470)
        at
oracle.apps.fnd.applcore.log.DebugEventManager.logSeededMessage(DebugEventManager.java:2360)
        at
oracle.apps.fnd.applcore.log.DebugEventManager.logSeededMessage(DebugEventManager.java:2316)
        at
oracle.apps.fnd.applcore.log.DebugEventManager.handlerException(DebugEventManager.java:1937)
        at
oracle.apps.fnd.applcore.log.AppsODLHandler.publish(AppsODLHandler.java:431)
        at
oracle.apps.fnd.applcore.log.DebugEventManager.internalLog(DebugEventManager.java:1122)
        at
oracle.apps.fnd.applcore.log.DebugEventManager.log(DebugEventManager.java:1013)
        at
oracle.apps.fnd.applcore.log.AppsLogServiceImpl.writeCanonical(AppsLogServiceImpl.java:1227)
        at
oracle.apps.fnd.applcore.log.AppsLogServiceImpl.writeCanonical(AppsLogServiceImpl.java:1201)
        at
oracle.apps.fnd.applcore.log.AppsLogServiceImpl.write(AppsLogServiceImpl.java:622)
        at
oracle.apps.fnd.applcore.log.AppsLogger.write(AppsLogger.java:629)
        at
oracle.apps.hcm.ase.publicModel.service.util.SSOConnectionUtil.getCredential(SSOConnectionUtil.java:219)
        at
oracle.apps.hcm.ase.publicModel.service.util.SSOConnectionUtil.<init>(SSOConnectionUtil.java:53)
        at
oracle.apps.hcm.ase.publicModel.service.SSOAdminServiceImpl.<init>(SSOAdminServiceImpl.java:37)
        at
oracle.apps.hcm.ase.publicModel.service.SSOAdminServiceTest.init(SSOAdminServiceTest.java:43)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.
```

```
java:39)
    at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:25)
    at java.lang.reflect.Method.invoke(Method.java:597)
    at
org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(Framework
Method.java:45)
    at
org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCal
able.java:15)
    at
org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMe
thod.java:42)
    at
org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.
java:27)
    at
org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.ja
va:30)
    at org.junit.runners.ParentRunner.run(ParentRunner.java:300)
    at
oracle.jdevimpl.junit.runner.junit4.JUnit4Testable.run(JUnit4Testable
.java:24)
    at
oracle.jdevimpl.junit.runner.TestExecution.run(TestExecution.java:27)
    at
oracle.jdevimpl.junit.runner.JUnitTestRunner.main(JUnitTestRunner.jav
a:88)
Caused by: javax.security.auth.login.LoginException: Null or empty
password was provided.
    at
oracle.security.jps.internal.jaas.module.idstore.IdStoreLoginModule.v
alidatePasswordAndIdentityAssertion(IdStoreLoginModule.java:763)
    at
oracle.security.jps.internal.jaas.module.idstore.IdStoreLoginModule.a
uthenticate(IdStoreLoginModule.java:250)
    at
oracle.security.jps.internal.jaas.module.idstore.IdStoreLoginModule.l
ogin(IdStoreLoginModule.java:233)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.
java:39)
    at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccess
orImpl.java:25)
    at java.lang.reflect.Method.invoke(Method.java:597)
    at
javax.security.auth.login.LoginContext.invoke(LoginContext.java:769)
    at
javax.security.auth.login.LoginContext.access$000(LoginContext.java:1
86)
```

```
        at
javax.security.auth.login.LoginContext$4.run(LoginContext.java:683)
        at java.security.AccessController.doPrivileged(Native Method)
        at
javax.security.auth.login.LoginContext.invokePriv(LoginContext.java:6
80)
        at
javax.security.auth.login.LoginContext.login(LoginContext.java:579)
        at
```

```
oracle.adf.share.security.authentication.JAASAuthenticationService.do
Login(JAASAuthenticationService.java:115)
... 42 more
```

- **HcmApplicationsSecurityPublicModelTest:**

Failures: 0, Errors: 22, Skipped: 4, Total: 44/44

Most test suites are marked as Ignored.

Example errors:

1. oracle.apps.hcm.ase.publicModel.service.SecurityModelSearchServiceTest#testSuggestion

```
java.lang.ExceptionInInitializerError: null
    sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native
Method)

    sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstruct
orAccessorImpl.java:39)

    sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingC
onstructorAccessorImpl.java:27)
        java.lang.reflect.Constructor.newInstance(Constructor.java:513)

    org.junit.runners.BlockJUnit4ClassRunner.createTest(BlockJUnit4ClassR
unner.java:187)

    org.junit.runners.BlockJUnit4ClassRunner$1.runReflectiveCall(BlockJUN
it4ClassRunner.java:236)

    org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCal
lable.java:15)

    org.junit.runners.BlockJUnit4ClassRunner.methodBlock(BlockJUnit4Class
Runner.java:233)

    org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRun
ner.java:68)

    org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRun
ner.java:47)
        org.junit.runners.ParentRunner$3.run(ParentRunner.java:231)
        org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:60)
        org.junit.runners.ParentRunner.runChildren(ParentRunner.java:229)
        org.junit.runners.ParentRunner.access$000(ParentRunner.java:50)
        org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:222)

    org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.
java:28)

    org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.ja
va:30)
        org.junit.runners.ParentRunner.run(ParentRunner.java:300)
Caused by: java.lang.RuntimeException: Cannot bootstrap AseFaMoudle

    oracle.apps.hcm.ase.publicModel.service.SecurityModelSearchServiceTes
t.<clinit>(SecurityModelSearchServiceTest.java:73)
```

2. oracle.apps.hcm.ase.publicModel.service.SecurityModelSearchServiceTest#testSearchIdentity

```

java.lang.NoClassDefFoundError: Could not initialize class
oracle.apps.hcm.ase.publicModel.service.SecurityModelSearchServiceTest
    sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native
Method)

sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstruct
orAccessorImpl.java:39)

sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingC
onstructorAccessorImpl.java:27)
    java.lang.reflect.Constructor.newInstance(Constructor.java:513)

org.junit.runners.BlockJUnit4ClassRunner.createTest(BlockJUnit4ClassR
unner.java:187)

org.junit.runners.BlockJUnit4ClassRunner$1.runReflectiveCall(BlockJUN
it4ClassRunner.java:236)

org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCal
lable.java:15)

org.junit.runners.BlockJUnit4ClassRunner.methodBlock(BlockJUnit4Class
Runner.java:233)

org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRun
ner.java:68)

org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRun
ner.java:47)
    org.junit.runners.ParentRunner$3.run(ParentRunner.java:231)
    org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:60)
    org.junit.runners.ParentRunner.runChildren(ParentRunner.java:229)
    org.junit.runners.ParentRunner.access$000(ParentRunner.java:50)
    org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:222)

org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.
java:28)

org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.ja
va:30)
    org.junit.runners.ParentRunner.run(ParentRunner.java:300)

```

### 3. oracle.apps.hcm.ase.publicModel.service.RoleServiceTest#roleCRUD

```

java.lang.RuntimeException: java.lang.RuntimeException:
oracle.apps.hcm.ase.fa.policystore.exception.FaPolicyStoreServiceIIPE
xception: oracle.jbo.JboException: JBO-29000: Unexpected exception
caught: java.lang.NoClassDefFoundError,
msg=oracle/apps/hcm/common/core/HcmViewDefImpl

```

```
oracle.apps.hcm.ase.protectedModel.dataaccess.amcommand.AmCommandInvoker.execute(AmCommandInvoker.java:71)

oracle.apps.hcm.ase.publicModel.service.RoleServiceImpl.saveChanges(RoleServiceImpl.java:714)

oracle.apps.hcm.ase.publicModel.service.RoleServiceTest.roleCRUD(RoleServiceTest.java:109)
    sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)

sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)
    java.lang.reflect.Method.invoke(Method.java:597)

org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:45)

org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:15)

org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:42)

org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:20)
    org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:263)

org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:68)

org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:47)
    org.junit.runners.ParentRunner$3.run(ParentRunner.java:231)
    org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:60)
    org.junit.runners.ParentRunner.runChildren(ParentRunner.java:229)
    org.junit.runners.ParentRunner.access$000(ParentRunner.java:50)
    org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:222)

org.junit.internal.runners.statements.RunBefores.evaluate(RunBefores.java:28)

org.junit.internal.runners.statements.RunAfters.evaluate(RunAfters.java:30)
    org.junit.runners.ParentRunner.run(ParentRunner.java:300)

Caused by: java.lang.RuntimeException:
oracle.apps.hcm.ase.fa.policystore.exception.FaPolicyStoreServiceIIPException: oracle.jbo.JboException: JBO-29000: Unexpected exception
caught: java.lang.NoClassDefFoundError,
msg=oracle/apps/hcm/common/core/HcmViewDefImpl
```

```
oracle.apps.hcm.ase.publicModel.service.RoleServiceImpl$5.execute(RoleServiceImpl.java:722)
```

```
oracle.apps.hcm.ase.publicModel.service.RoleServiceImpl$5.execute(RoleServiceImpl.java:714)
```

```
oracle.apps.hcm.ase.protectedModel.dataaccess.amcommand.AmCommandInvoker.execute(AmCommandInvoker.java:68)
```

Right now, there does not seem to be any unit tests, only integration tests.

The continuous integration server (Hudson) for ASE does not seem to run tests automatically ([http://slc03qfl.us.oracle.com:18080/view/ASE%20Pr\\_eflight/](http://slc03qfl.us.oracle.com:18080/view/ASE%20Pr_eflight/))

JDeveloper has the ability to run JUnit suites, but in order to run existing tests, some preparation is needed. The preparation steps (updated) are here: [Unit Testing within Jdeveloper](#)

It is possible to generate test stubs, here is how: [https://blogs.oracle.com/bwb/resource/JUnit\\_Testing/Unit\\_Testing\\_with\\_JUnit\\_and\\_JDeveloper\\_11g.html](https://blogs.oracle.com/bwb/resource/JUnit_Testing/Unit_Testing_with_JUnit_and_JDeveloper_11g.html)

It is also possible to automate test runs using Ant: <http://www.oracle.com/technetwork/articles/adf/part5-083468.html>

Currently, I am trying to find a way to generate a JUnit test report from JDeveloper.

#### Email from Steve Vance:

You will see a lot of junits with @Ignored. With one of the build reports it shows number of passed and failed junits. If a lot of junits fail it looks bad on that report.

The main issue we run into with unit tests is clean test data before running the test and not leaving garbage data in the db after the unit test. If I create a unit test where I prep all of the data needed for the test and clean up after, then I will not ignore it. If the junit makes assumptions with what the data will be before the test (does not prep its own data), then I will add @Ignore. As a team we should do better at mocking out db access and other things, but so far we have not spent much time on that.

-steve

## UI shell spike

I have tried to "run" the following files in JDeveloper:

- fusionapps/hcm/components/hcmCoreSetup/applicationsSecurity/publicUI/public\_html/oracle/apps/hcm/ase/ui/page/ApplicationSecurityHome.jspx
- fusionapps/hcm/components/hcmCoreSetup/applicationsSecurity/publicUI/public\_html/oracle/apps/hcm/ase/ui/page/LaunchAse.jspx
- fusionapps/hcm/components/hcmCoreSetup/SuperWeb/public\_html/oracle/apps/hcm/hcmcoresetup/superweb/ui/page/HcmCoresetupSuperWebWorkArea.jspx
- fusionapps/hcm/components/hcmCoreSetup/SuperWeb/public\_html/login.html (a static page just to see if it works)

In every case, I could not see a deployed app in jdev's integrated weblogic server console.

ApplicationSecurityHome.jspx looks similar to the file fusionapps/hcm/components/hcmAbsences/globalAbsences/recording/ui/public\_html/oracle/apps/hcm/globalAbsences/recording/ui/page/AbsencesAdminUIShell.jspx whose name suggests it implements a similar concept to the one we had in Wellness.

First try of running this file in JDeveloper gave me the following error:

I deleted .git symbolic link from fusionapps directory and tried again. It seems that deployment hangs (notice the difference in time between the last log entry and the previous one, the JVM process consumes ~10% of CPU):

```
[Running application HcmCoreSetup on Server Instance  
IntegratedWebLogicServer...]  
[06:05:26 AM] ---- Deployment started. ----  
[06:05:26 AM] Target platform is (Weblogic 10.3).  
[06:05:27 AM] Retrieving existing application information  
[06:05:27 AM] Running dependency analysis...  
[06:05:27 AM] Deploying 8 profiles...  
[06:05:33 AM] Enabling archive compression  
[06:05:40 AM] Wrote MAR file to  
/scratch/knirski/view_storage/knirski_devsec3/.jdev_user_home/system11.1.1  
.9.40.66.73/o.j2ee/drs/HcmCoreSetup/EFFmetadata.mar  
[06:39:47 AM] Enabling archive compression
```

Update 1 VII 2015

When trying to deploy using Application Menu -> Deploy... -> EarApplicationSecurity I get:

```

[05:49:57 AM] Deploying Application...
[05:50:01 AM] [Deployer:149193]Operation 'deploy' on application
'HcmCoreSetup' has failed on 'DefaultServer'
[05:50:01 AM] [Deployer:149034]An exception occurred for task
[Deployer:149026]deploy application HcmCoreSetup on DefaultServer.:
[J2EE:160149]Error while processing library references. Unresolved
application library references, defined in weblogic-application.xml:
[Extension-Name: oracle.soa.bpel, exact-match: false]..
[05:50:01 AM] Weblogic Server Exception:
weblogic.management.DeploymentException: [J2EE:160149]Error while
processing library references. Unresolved application library references,
defined in weblogic-application.xml: [Extension-Name: oracle.soa.bpel,
exact-match: false].
[05:50:01 AM] See server logs or server console for more details.
[05:50:01 AM] weblogic.management.DeploymentException: [J2EE:160149]Error
while processing library references. Unresolved application library
references, defined in weblogic-application.xml: [Extension-Name:
oracle.soa.bpel, exact-match: false].
[05:50:01 AM] ##### Deployment incomplete. #####
[05:50:01 AM] Remote deployment failed
(oracle.jdevimpl.deploy.common.Jsr88RemoteDeployer)

```

## Binaries

[Create file list](#)

| Title  | Creator      | Modified     |
|--|--------------|--------------|
| Binaries to checkout and pull modules from Git | Olek Kamczyc | Sep 25, 2015 |

## Common

### BugDB Bug flow process

- **Bug Status Flows:**
  - 11 - 31(could not reproduce) – 91
  - 11 - 32 (not a bug) – 92
  - 11 - 36 (Duplicate) – 96
  - 11 - 30 (more info) – 33 (suspended after 7 days) – 93 (closed, not verified by filer)
  - 11 - 80 (no code fix) - 93 (closed, not verified by filer) - applicable in scenarios where it is an environment related issue, or consumption of latest techstack, components,...
  - 11,15 - 80 (code fix) – 87 (Fix Verified, Merge Required) – 90
  - 11,15 - 35(ARU) / 37(pre GA) – 80 (code fix) – 90
- zGSE related bugs - if GSE opened the bug, they should be the one closing it. - Since GSE fixes only go in ARU bug will need to be updated to 35 when merged and assign to GSE team member who created it.

BugSMART - Bug Sentinel - Bug Validation

#### Guideline for checking in fix for bug

- Create separate bug for checking in same fix in different versions. **Do not use same bug to check-in to different releases.**(e.g . R11 bug should not be used to check-in to R12 branch)
- **Guideline for opening a bug**

- If the issue is very common like ETL is not working, Please add a build number in subject line.
- Always include logs, screenshots and steps to re-produce.
- Tag bug appropriately if it is a blocker bug
- **Guideline for changing to Status 80 – Dev to QA/Fix Delivered - Owner is DEV**
  - Upon Fix verification on smoke test env, Dev will move the bugs to status 80.
  - Make sure to update
    - Fixed Ver ([Valid Fix Versions](#))
    - [Fixed in \(Label\)](#) – (Set Label to harmony build number(e.g. [397](#)). Don't set it to 11.1.10.0.0 or 11.1.10.0.0.397 or something else. Only the harmony build number.)
    - Assign to right person who can verify it (If bug is created by QA or validated from user point of view, then it should be assigned to QA, Anything internal such as API re-factor, JAudit violations, etc. should not go to QA, If not clear or have question, then assign to QA Lead)
  - While fixing a bug if dev find a similar problem during testing, Dev should create a brand new bug for the new issue
- **Guideline for changing to Status 87 - Fix Verified/Merge – (Owner is QA), New Step**
  - Upon verification, QA will move the bugs from status 80 to 87.
  - QA should monitor Status 87 bug to be updated with check-in transaction details. Once updated, change it to 90.
  - If QA is not in a position to verify or close it, then assign it to right person (Dev/PM Lead) who can verify and close it.
- **Guideline for re-opening a bug**
  - Case 1: If error message or behavior of failure is not changed, then please re-open the bug to status 11(from 80) and assign it back to developer.
  - Case 2: If error message or behavior is different, then open another bug with different error message and update new bug as base bug of the fixed one
  - Case 3: If not able to validate bug due to some reason, then Open base bug with reason of not being able to validate.
- **Guideline for changing to Status 90 – Closed, Verified by Filer – (Owner QA), potentially automated in future**
  - Upon verification of merge string in bug with status 87, QA will move the bugs from status 87 to 90. If code check-in is not required then it can be changed to 93 directly.
  - Example of merge string in bug – when RE merge transaction bug will be updated with below stings
    - ADEBUG adebug\_us 12/09/15 06:18 pm  
*FUSIONAPPS\_PT.R12HCMVV1\_LINUX.X64\_151209.1700.S contains changes from Imezirow\_bug-22326705*
- **Guideline for changing to Status 91,92,93 and 96 – terminal status but no code change required**
  - If code change is not required, bugs can be closed with 90+ status.
  - **If bug is closed with 91,92,93 or 96, please remove release tags while updating status(closing bug) - e.g. remove "RELxxPATCH R11-PBy-GRC" from tag**

## Internal Bugs(not tracked outside our Org)

internal bugs are the one that don't need to be managed/monitored by **Product Management or Fusion Application** program management teams. These are typically bugs that has a lifecycle before it reaches to ADE transaction and mostly do not affect release, although some may affect it to certain extent.

Below are the bugs that do not affect the release of a product although, development/RE teams like to use bug for their own purpose/tracking. These bugs do not need to be monitored into QB meeting or by PM.

- Tracking bugs -- Tag with "TRACK"
- Technical (including refactor) bugs -- Tag with "TECH"

Below are the bugs that are still created as internal bugs, but they are bugs on GIT code base(Harmony builds), and reflect failures that need to be taken care of before we check-in our code in ADE. This may or may not affect release, but below bugs will be tracked in QB meetings and other Program management meetings within our organization.

- Codescan -- Tag with "CODESCAN" (Need to be tracked)
- Build Failures -- Tag with "HBUILD" (Need to be tracked)

HCM Bug Flow Process: Customer Bug Regression Process

## CompressDB instances

| Hostname               | Port | SID     | Purpose             | URL |
|------------------------|------|---------|---------------------|-----|
| sleak351.us.oracle.com | 4610 | ems1199 | Seems to be gone... | N/A |

|                        |      |          |  |   |
|------------------------|------|----------|--|---|
| slcak351.us.oracle.com | 1546 | ems1125  | ASE deployment                             | <a href="http://emsprod.us.oracle.com/EMS/Forms/ViewEnv/process_form?env_name=TTOMALAK_R11_KR">http://emsprod.us.oracle.com/EMS/Forms/ViewEnv/process_form?env_name=TTOMALAK_R11_KR</a> |
| slcak351.us.oracle.com | 1612 | ems13391 | Wellness backend R11 standalone deployment | <a href="http://emsprod.us.oracle.com/EMS/Forms/ViewEnv/process_form?env_name=TTOMALAK_R11_KR">http://emsprod.us.oracle.com/EMS/Forms/ViewEnv/process_form?env_name=TTOMALAK_R11_KR</a> |
| slcak351.us.oracle.com | 1561 | ems7439  | Wellness backend R12 standalone deployment | <a href="http://emsprod.us.oracle.com/EMS/Forms/ViewEnv/process_form?env_name=TTOMALAK_R12_ET">http://emsprod.us.oracle.com/EMS/Forms/ViewEnv/process_form?env_name=TTOMALAK_R12_ET</a> |
| slc08auc.us.oracle.com | 1522 | slc08auc | TP vm - r13                                |   |
| slc07zha.us.oracle.com | 1522 | slc07zha | mm vm - r13                                |   |

## How to refresh DB instance (applies for R10)

1. Enter your ADE view you used for this Fusion Tech Stack Installation. For example - [ade useview ts\\_view](#)
2. Run the following commands immediately after entering your view
  - a. `ade expand $ADE_VIEW_ROOT/fusionapps/hcm/hwr/* -recurse`
  - b. `ade grabtrans <pseo-bug-#####>`  
The transaction number from Preflight build you are deploying. For example - [ade grabtrans malchakr\\_bug-20697764](#)
  - c. `cd hcm/hwr/noship/dmbuild`
  - d. `./dmbuild.sh -U fusion -P fusion -H <ZipDBHost> -p <ZipDBPort> -S <ZipDBSID> -L $VIEW_LABEL -i HWR -f /scratch/<yourGID>/view_storage/<your_view>/fusionapps/hcm/components/hcmWorkforceReputation/dbSchema/database/WorkforceReputation/FUSION -K $ADE_VIEW_ROOT/fusionapps/hcm/hwr/db/plsql`  
For example - `./dmbuild.sh -U fusion -P fusion -H slcak351.us.oracle.com -p 1521 -S ems1125 -L $VIEW_LABEL -i HWR -f /scratch/user/view_storage/user_ts_view/fusionapps/hcm/components/hcmWorkforceReputation/dbSchema/database/WorkforceReputation/FUSION -K $ADE_VIEW_ROOT/fusionapps/hcm/hwr/db/plsql`
3. Open sqldeveloper, and run the following commands (run tem all as scripts):
  - a. Paste in and run the lines in `create_grants.sql`, located in the following zip file: <https://stbeehive.oracle.com/content/dav/st/GRC-Fusion-Apps%20Integration/Documents/ZipDBInstallProcedure.zip>
  - b. Make sure the db is empty:

```

SELECT * FROM HWR_SYS_INFO;
SELECT * FROM HWR_SRC_SOURCE_B;
SELECT * FROM HWR_SRC_SOURCE_TL;
SELECT * FROM HWR_LOOKUP_TYPE_B;
SELECT * FROM HWR_LOOKUP_TYPE_TL;
SELECT * FROM HWR REP_CONTROL_B;
SELECT * FROM HWR REP_CONTROL_TL;
SELECT * FROM HWR PER_PRFL_SYNC;

```

- c. Execute

```

DECLARE
  TYPEStringArray IS VARRAY(10) OF VARCHAR2(500);
  myArray StringArray := StringArray('HWR_PER_PROFILE_B', 'HWR_PER_PROFILE_TL', 'HWR_PER_GBL_PRFL_B',
  'HWR_PER_GBL_PRFL_TL', 'HWR_CONTACT_INFO_B', 'HWR_RESUME', 'HWR_EXPERIENCE_B', 'HWR_EDUCATION_B',
  'HWR_PUBLICATION_B', 'HWR_PER_PRFL_GROUP_B');
BEGIN FOR I IN 1..10

```

```
LOOP DBMS_RLS.DROP_POLICY('fusion',myArray(l),'HWR_APPID_POLICY');
END LOOP;
END;
```

## Gerrit Code Review for Git

Anyone with a oradev account should be able to log in via <https://re-git.us.oracle.com:8443>. From there, you can add your ssh keys and clone HWR or Odin projects,

I'd recommend reading <https://re-git.us.oracle.com:8443/Documentation/index.html> especially the 'A quick introduction to Gerrit' section to get a handle on Gerrit workflow.

More info on: [HCM Platform SCM tools](#)

Binaries to checkout and pull modules from Git

## GIT commit comments

### GIT commit comments

We are implementing a control on the comments you make when checking in to git.

Starting tomorrow morning for HWR projects, and Friday morning for GRC your commit comment needs to match one of the following rules.

- 1) Comments for commits related to a bug must begin with bug <number>
- 2) Comments for commits related to a requirement with no bug must begin with req <number>
- 3) Comments for commits related to refactoring must begin with 'refactor'

You can have multiple lines of comments in a commit, the rules above apply to the first line of the comment only.

If your comments do not conform to these restrictions, the git push will be rejected and you will see something like this, but without the color highlighting:

**Counting objects: 5, done.**

**Delta compression using up to 8 threads.**

**Compressing objects: 100% (2/2), done.**

**Writing objects: 100% (3/3), 275 bytes, done.**

**Total 3 (delta 1), reused 0 (delta 0)**

**remote: FATAL: VREF/COMMENT: helper program exit status 256**

**remote: commit ID 2be383eae8748de11eee389ecd4583580d03c6d6 does not conform to standards, please amend it**

**remote: error: hook declined to update refs/heads/master**

**To <ssh://gitolite@ballys.us.oracle.com/testing>**

**! [remote rejected] master -> master (hook declined)**

**error: failed to push some refs to '<ssh://gitolite@ballys.us.oracle.com/testing>'**

You will be able to see these messages in the popup dialog box that comes up whenever you do a push from either Tortoise or Eclipse. When this happens to you, you can amend your last commit in Eclipse by just selecting commit again from the team menu. In Tortoise, do commit again and there is a checkbox on the commit box 'amend last commit' that you can use to fix your comments. If you're a command line user, the git commit --amend command will help you fix the comments.

### Usage examples:

**Bug nnnnnnnn (8 digit)**

**Req FDD GRC-a.b.c.d-nnn (a.b.c.d. is the release like 8.6.4.600 and nnn is the FDD id)**

**Req FDD HWR R7 xxxxxxx (e.g. XXXXXXXX = 18EHXB) Req R4560 (design by contract task #)**

**Refactor [Replacing xstream implementation with JAXB]**

**TestCase [Adding integration test for Access Control security evaluation]**

**Translation [checking in access content translation]**

Reports will be periodically generated off these check-in comments and forwarded to **Reza** and leads.  
(Please make sure you are not checking in with comments such as "bug 12345678, Refactor xyz etc").

## Harmony Confluence

Great source of information about what Harmony is and how it works: [Harmony Confluence](#)

## How to Install Fusion Tech Stack and Deploy the Application

### Introduction

This page describes how to Install Fusion Tech stack and Deploy the Application using **DEV Deployment Tool**, provided by RE Team.

Bugs in the tool can be logged in BugDB under product 11186.

### How to install

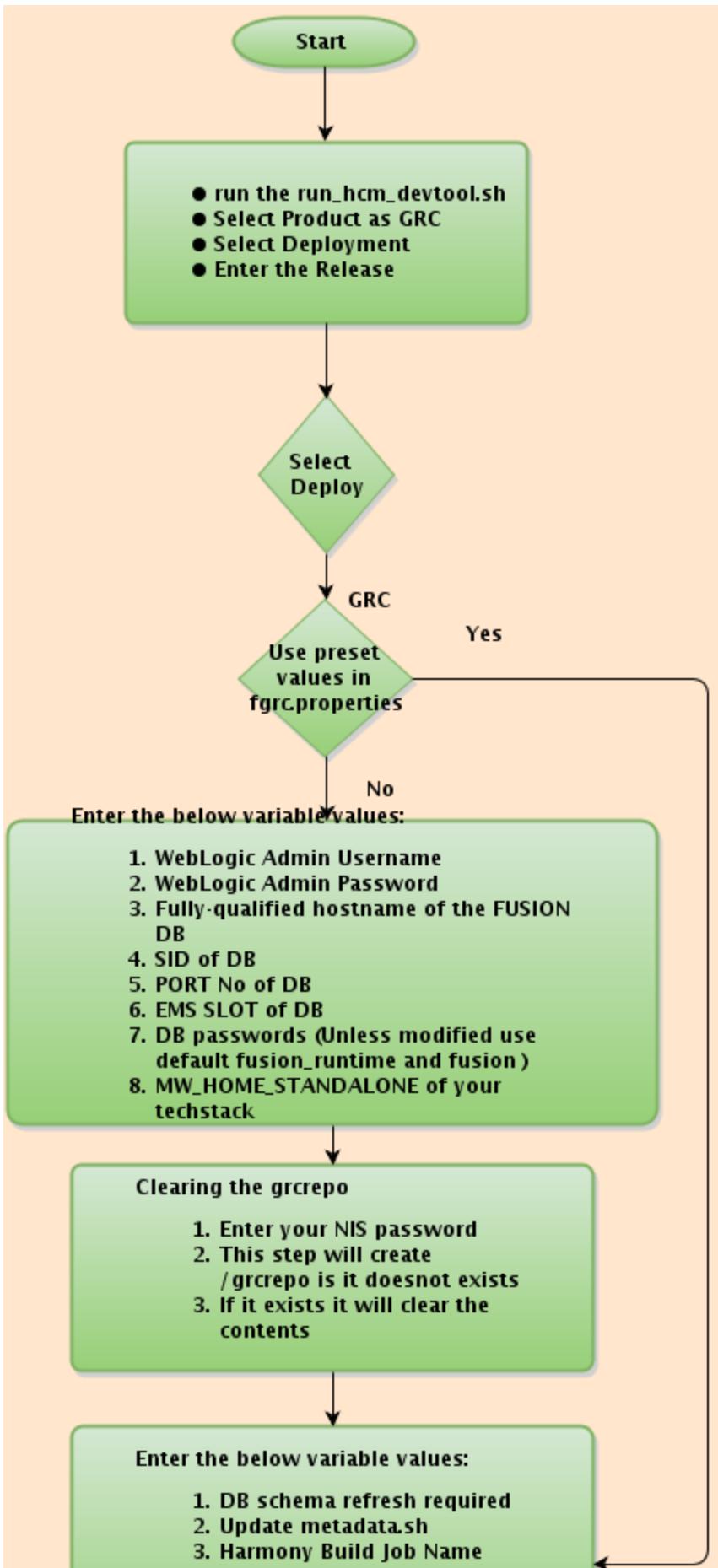
Updated instructions:

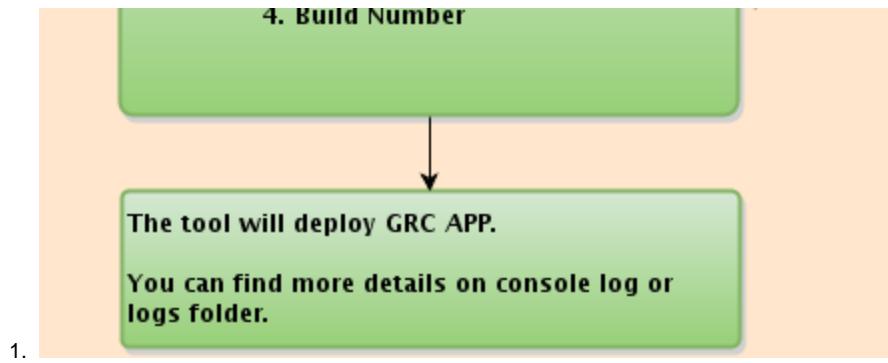
[Grc-Hcm-devtool installation guide](#)

### How to deploy

Information moved to : [GRC dev-hcm installation](#)

### Step-by-step guide for Fusion GRC





1.

- **HCMC Deployment Steps**

**Prerequisite- create FPR environment for R12 Deployment (one time set up) --> Create and Maintain FPR Env.doc**

**MENU PAGE1:**

PLEASE SELECT A PRODUCT

=====

1. HWR
2. HCMC
3. GRC
4. ASE

=====

Please Enter Option [1-4]:**2**

**MENU PAGE 2**

SELECT AN OPTION

=====

1. Install Fusion Tech stack
2. Deploy the Application

=====

Please Enter Option [1-2]:**2**

1. Enter <users> Kerberos account password :
2. Enter a view name in the format of *host\_branch\_preflightNum* ( e.g slc05mlq\_R11/R12Stable\_172)
3. Enter *VIEW\_LABEL* value ( Verify latest *VIEW\_LABEL* with this command:-ade createview -series FUSIONAPPS\_11.1.1.5.1\_LINUX.X64 -latest( R11 deployment)/

ade showlabels -series **FUSIONAPPS\_PT.R12INT\_LINUX.X64** -latest ( R12 deployment) (example: *VIEW\_LABEL :FUSIONAPPS\_PT.R12INT\_LINUX.X64\_150917.1200.S*)

4. Press Enter for the next 2 prompts to accept the default values except for weblogic password

Enter Your WebLogic Admin Password or Press <Enter> to accept the default value [weblogic1] :

5. Depending on the server you are deploying on enter one of the ZipDB hostnames below :<Db host>:<SID>:<Port>
6. Press Enter for the next 2 prompts to accept the default values(fusion\_runtime,fusion)
7. If the scripts detects that a newer techstack is available enter the path to the old techstack. If not ignore this step

- a. In another terminal window check if WLS is running by issuing the command : ps -ef | grep mw\_home\_standalone . Then answer the prompt asking if WLS is up accordingly.
- b. Enter YES to undeploy the older HCMC deployment ( Appname should be hcmConnect)
- c. Enter <users> password so hcmconnectrepo can be cleared.
- d. Enter the Transaction value from HarmonyBuild from the below URL ( e.g:-lmezirow\_bug-19791882)  
[http://slc03qlf.us.oracle.com:18080/view/HCMCONNECT\\_V2\\_Preflight/job/HCMCloud\\_HCMC\\_HarmonyBuild/](http://slc03qlf.us.oracle.com:18080/view/HCMCONNECT_V2_Preflight/job/HCMCloud_HCMC_HarmonyBuild/) (R11)  
[http://slc03qlf.us.oracle.com:18080/view/HCMCONNECT\\_V2\\_Preflight/job/R12-HCMCloud\\_HCMC\\_HarmonyBuild/267/artifact/R12-HCMCloud\\_HCMC\\_HarmonyBuild\\_267.html](http://slc03qlf.us.oracle.com:18080/view/HCMCONNECT_V2_Preflight/job/R12-HCMCloud_HCMC_HarmonyBuild/267/artifact/R12-HCMCloud_HCMC_HarmonyBuild_267.html) (R12)
- e. The script grabs the transaction and runs dmbuild. This step takes around 30 minutes. Once dmbuild run completes with "Completed Successfully"

PLEASE SELECT AN OPTION

- =====
1. Deploy R11Stable
  2. Deploy R12Stable

Please Enter Option [1-2]:**1**

- f. What R11stable build number would you like to deploy (Harmonyt build number):< Harmony Build Number> ( e.g:172)
- g. current Janz overlay and importmetada( Root menu's) will be added by default and application will be deployed as "ORA\_HCMCONNECTAPP"

Please Enter Option [1-2]:**2**

- h. Fpr Environment for SeedData : < exmaple :r12smokehcmc > Link to create FPR environment(one time set up) --> [Create and Maintain FPR Env.doc](#)
- i. wait for 15 min's for Fpr process completion
- j. What R12stable build number would you like to deploy (Harmonyt build number):< Harmony Build Number> ( e.g:200)
- k. current Janz overlay and import metadata will be added by default and application will be deployed as "ORA\_HCMCONNECTAPP"

1. Test the application as follows after successful deployment

- a. e.g:-<http://slc05mlq.us.oracle.com:7011/hcmConnect/faces/FuseWelcome>

## Related articles

### Content by label

There is no content with the specified labels



## How to retire a laptop / desktop

<https://pdit-document-repository.oraclecorp.com/display/DLSG/Equipment+Return+Policy++Terminations%2C+Transfers%2C+Resignations>

## HWR and HWR-Cardea DB preparation and patches application processes

To prepare HWR/HWR-Cardea DB or add SQL patch you need to know this.

### Step-by-step guide

For testing purposes, hwr\_dev\_schema.sql can be used to install the schema - please see the last version attached to the JIRA.  
For deployment on a Fusion environment (e.g. smoke or ST) the schema is pre-installed from XDF separately during environment setup and later DDL patches are applied the same way. HWR initialization and DB patches can only include DML statements due to limited privileges on the FUSION\_RUNTIME user, so schema creation is not included.

So a process of DB preparation looks like:

1. Install base DB version of HWR/HWR-CARDEA
- 1.1 By starting hwr\_dev\_schema.sql scripts  
or
- 1.2 By requesting new DB from XDF

2. Apply particular patches from hwr-dataacces: a. All scripts from \hwr-dataaccess\src\main\resources\db\oracle\dml; b. All scripts written down in hwr-dataaccess\src\main\resources\db\oracle\patches\hwr\_seed\_patch.txt

The step 2 can be done automatically by start up any of test, which starts hwr-root.xml Spring context.

To refresh a development schema:

-----  
first drop tables (and sequences) use this:

- 1) hwr\_drop\_tables.sql
- 2) hwr\_create\_tables.sql
- 3) hwr\_create\_replace\_views.sql

## JIRA task card printing tool

A convenience tool for generating print-friendly HTML file containing JIRA agile board task cards. Aims to duplicate functionality of Agile Cards JIRA plugin (<https://marketplace.atlassian.com/plugins/com.spartez.scrumprint.scrumplugin>). It was inspired by jira-cards python package (<https://github.com/jhollingworth/jira-cards>), but as cookies need to be explicitly provided because of Oracle SSO authorization, the source code had to be reworked. Only template generating part of code remained.

## Software requirements

- Python >=2.7 (but <3.0) (<https://www.python.org/>)
- PycURL (<http://pycurl.sourceforge.net/>)
- Jinja2 (<http://jinja.pocoo.org/>)
- Mozilla Firefox browser with Cookies export/import extension installed (<https://addons.mozilla.org/en-US/firefox/addon/cookies-exportimport/>)
- OR Google Chrome browser with cookies.txt extension installed (<https://chrome.google.com/webstore/detail/cookiestxt/njabckikapfpffapmigojcncbfjonfjfg>)

## Usage

```
usage: jiracards.py [-h] [-o, --output output_file_name]
                    [-c, --cookie-file cookie_file_name]
                    [-t, --template template_file_name]
                    board_id issue_keys [issue_keys ...]

Transforms JIRA issues into printable form (html file).

positional arguments:
  board_id            Jira board's id as in url (rapidViewId).
  issue_keys          List of story/task keys. If story key is provided, all
                      of the subtasks are processed too.

optional arguments:
  -h, --help           show this help message and exit
  -o, --output output_file_name
                      Name of the output file.
  -c, --cookie-file cookie_file_name
                      Name of the file with JIRA SSO session cookies saved.
  -t, --template template_file_name
                      Name of the template file.
```

Default template file is provided in the package (jiracards-template.html). Cookie file can be obtained from Firefox (Tools->Export Cookies) or Chrome (through a special toolbar button installed by the extension). User needs to login to JIRA first with Oracle SSO credentials.

Example:

```
python jiracards.py -c cookies.txt -t jiracards-template.html -o cards.html 8619 HCMCF-1825 HCMCF-1766
```

## Download

[jiracards.7z](#)

## Our VMs in Kraków

[krk188080.pl.oracle.com](http://krk188080.pl.oracle.com)

krk188093.pl.oracle.com

krk188107.pl.oracle.com

krk188101.pl.oracle.com

krk188100.pl.oracle.com

## Requesting GIT Access

Going forward, RE Team is using **Request Tracker** to fulfill git requests.

### Request Tracker request

Developer needs to send an email (here is the [Outlook template](#) to download) to **Request Tracker** in following format:

#### Email format

TO: [rt-git@slc05mkk.us.oracle.com](mailto:rt-git@slc05mkk.us.oracle.com)

Subject: <PROJECT>-<BUG\_NUMBER>

Queue:<PROJECT>

<REQUIRED\_INFO>

Please note that in Queue:<PROJECT> spaces before ':' and after ':' are not allowed

The explanation what need to be placed under each tag is available below:

| Tag       | Value  |
|-----------|--|
| <PROJECT> | <p>One of the projects:</p> <ul style="list-style-type: none"><li>• ASE</li><li>• GRC</li><li>• <b>GrcLight</b></li><li>• Harmony</li><li>• HHR</li><li>• HRH</li><li>• <b>HWR</b></li><li>• Odin</li><li>• UI</li><li>• <b>Wellness</b></li></ul> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">Please pick the project carefully as sending it to the wrong approver will result in a delay of provisioning access.</div> |

|                              |  |
|------------------------------|--|
| <b>&lt;REQUIRED_INFO&gt;</b> | All seven fields are required  |
| 1                            | <b>Branch</b> Identify Branch  |
| 2                            | <b>Repository</b> List one or more Repositories needed   |
| 3                            | <b>Access Type</b> Specify R (read) or W (write) access needed   |
| 4                            | <b>Bug Id and Title</b> Bug ID number and Bug Title are required   |
| 5                            | <b>Bug Description</b> Description of issue.   |
| 6                            | <b>How fix was tested</b> Description of how Bug fix was tested.   |
| 7                            | <b>Unit Test</b> Unit test name.   |
| 8                            | <b>Committers' Oracle GUID (Oracle Global User ID)</b> Eight letter Oracle GUID (Global User ID). This can be found by requester by searching in Aria People Finder for their own name. Located at the bottom of the information page. |

## Request Tracker response

- You will receive automated responses from **Request Tracker** with the status of the tickets. You can also log in to UI and track your open tickets on <http://slc05mkk.us.oracle.com/>. The login is your GUID and WIN password (same as gerrit/jenkins).
- Please do not CC RE mailing group to the tickets anymore. However, you can continue to CC your manager.
- If there are issues with the ticket, pushing permissions, etc, you can easily respond to the last email from RT with your problems and that will automatically re-open your request for RE to have a look. All GIT-REQ communication should normally go through the above mailing list.

## Example email

|                           |  |
|---------------------------|--|
| <b>TO:</b>                | rt-git@slc05mkk.us.oracle.com  |
| <b>Subject:</b>           | Wellness-22113141  |
| <b>Queue:Wellness</b>     |  |
| <b>Branch</b>             | R10stable  |
| <b>Repository</b>         | hwr-cardea-appservices-façade – hwr-cardea-dataaccess – hwr-cardea-integration     |
| <b>Access type</b>        | W  |
| <b>Bug Id and Title</b>   | <b>22113141- wellness:need corporate competition for wellness</b>                  |
| <b>Bug Description</b>    | Need to persist corporate contest. Also added needed apis related to current user. |
| <b>How fix was tested</b> | New tests were added to ContestRepositoryTest.java                                 |
| <b>Unit Test</b>          | ContestRepositoryTest.java   |
| <b>Committers' GUID</b>   | ddexeray   |

## Additional information

- <https://confluence.oraclecorp.com/confluence/display/GFR/Request+Tracker+Developer>

## Requesting GrcLight Access and New Build Creation

You need to send a request to hcmplatform\_re\_grp and hwr-dev@mymgr.us.oracle.com in CC.

Please include in the R10 GrcLight.jar request the following:

1. Bug ID numbers and titles. For each Bug describe what was fixed.
2. Why a new GrcLight.jar is needed.
3. How GrcLight.jar changes were tested locally.

## Subscribing to HWR-dev -- HWR builds, preflight, developer, smoke announcements

<http://mymgr.us.oracle.com/mailman/listinfo/hwr-dev>

## Team repositories

| Host                   | Repo                    | Clone   | Gitweb  |
|------------------------|-------------------------|---|---|
| slc07ehh.us.oracle.com | devtools.git            | git clone ssh://slc07ehh.us.oracle.com/scratch/git/devtools.git               | <a href="http://slc07ehh.us.oracle.com:1234/?p=devt">http://slc07ehh.us.oracle.com:1234/?p=devt</a> |
| slc07ehh.us.oracle.com | connector-container.git | git clone<br>ssh://slc07ehh.us.oracle.com/scratch/git/connector-container.git | <a href="http://slc07ehh.us.oracle.com:1234/?p=conn">http://slc07ehh.us.oracle.com:1234/?p=conn</a> |
| slc07ehh.us.oracle.com | ethelontiis-ui          | git clone ssh://slc07ehh.us.oracle.com/scratch/git/ethelontiis-ui             | <a href="http://slc07ehh.us.oracle.com:1234/?p=ethe">http://slc07ehh.us.oracle.com:1234/?p=ethe</a> |
| ...                    |                         |   |   |

How to create a shared git repository

## Fusion - essentials

### Oracle Fusion Middleware Documentation 11g Library

[https://docs.oracle.com/cd/E15523\\_01/index.htm](https://docs.oracle.com/cd/E15523_01/index.htm)

### Oracle Fusion Applications Developer's Guide

- [http://docs.oracle.com/cd/E36909\\_01/fusionapps.1111/e15524/title\\_ext.htm](http://docs.oracle.com/cd/E36909_01/fusionapps.1111/e15524/title_ext.htm)
- <https://stbeehive.oracle.com/teamcollab/wiki/GRC-Fusion-Apps+Integration:Procuring+a+Fusion+Development+VM>
- Fusion Applications Internationalization Home

## Oracle course

Course: CDT Oracle Fusion Middleware 11g: Build Applications with ADF | Ed 2

## Fusion Applications Enterprise Repository

<https://fusionappsoer.oracle.com/oer/index.jsp>

Allows searching for specific assets (like tables, services, security roles etc.) and provides documentation on these.

## ADE Resources

- [ADE\\_Developer\\_Training.pdf](#)
- Starting with: <https://confluence.oraclecorp.com/confluence/display/GFR/Getting+Started+ADE>
- ADE Commands: <https://confluence.oraclecorp.com/confluence/display/ESEDoc/ADE+FAQ>
- [http://ade.oraclecorp.com/twiki/pub/ADEFAQ/WebHome/ADE\\_UG\\_41.9.pdf](http://ade.oraclecorp.com/twiki/pub/ADEFAQ/WebHome/ADE_UG_41.9.pdf)
- [http://ade.oraclecorp.com/docs/ADE4.1/ADE\\_UG\\_41.html](http://ade.oraclecorp.com/docs/ADE4.1/ADE_UG_41.html)
- <http://ade.oraclecorp.com/twiki/bin/view/ADEFAQ/ADECommandReference>

## GRC-Fusion-Apps Integration

<https://stbeehive.oracle.com/teamcollab/overview/GRC-Fusion-Apps+Integration>

## Application Process Model (APM)

<http://fusionapps.us.oracle.com/index.html>

## UXP

- Core Architecture Home - tons of information about Fusion UX architecture
- <http://stux.us.oracle.com/alta/start-develop.html> - multiple resources about Alta skinning
- <https://stbeehive.oracle.com/teamcollab/wiki/Apps-UX+ALTA+Uptake+in+Classic+Fusion:Issues> - identified issues and instructions for logging issues against Alta styling.
- [http://stux.us.oracle.com/MUX\\_UI\\_Policies/Alta/](http://stux.us.oracle.com/MUX_UI_Policies/Alta/) - Alta UI design patterns

## Youtube channels on Fusion

- A series of videos on how to personalize Fusion HCM: [https://www.youtube.com/watch?v=kVxM\\_ZpLHwl&list=PL1ZiAfFlniZclvZFvJudjDYmkhmosK13A](https://www.youtube.com/watch?v=kVxM_ZpLHwl&list=PL1ZiAfFlniZclvZFvJudjDYmkhmosK13A)
- Fusion Applications Developer Relations: <https://www.youtube.com/user/FADeveloperRelations>

## REST

<https://stbeehive.oracle.com/teamcollab/wiki/HCM+RESTful+Web+services:ADF+REST+Cookbook#FA+Standards>

## Other content

- Setting Up Your Development Environment
- Fusion Standards
- Creating dummy bug number
- How to browse code audit violations
- Problem with a label?
- Accessing Fusion Apps environment

## HCM information you should be aware of

- Lots of stuff: <https://confluence.oraclecorp.com/confluence/pages/viewpage.action?pageId=12104819>
- HCM Calendar (scroll down): <http://hcmwiki.us.oracle.com:8880/display/HCMPROGMGMT/HCM+Release+Program+Management+-+Events+and+Deadlines>
- Branch Status: <https://apex.oraclecorp.com/pls/apex/f?p=17859:12:::NO>

# Setting Up Your Development Environment

## 1. Get YP Master account

- Go to <https://oim.oraclecorp.com>
- Under 'Requests' hit 'New Access' and type 'LDAP DSEE and PDIT NIS UNIX/Linux' in Catalog search bar
- From the list select 'LDAP DSEE and PDIT NIS UNIX/Linux Request access for LDAP DSEE and PDIT NIS UNIX/Linux Account' and make request

For more information see [here](#).

## 2. Request a Virtual Machine:

- Go to : <http://devops.oraclecorp.com/host/reservations/>
- Login with your SSO credentials
- Click the 'Host and Reservation' -> 'Reservations' -> 'Reserve'
- Select 'Long-Term Entitlement (365 Days) for Reservation Type'
- Select 'Pool: Default'
- Select 'Service: Fusion Applications'
- Select 'Oracle Linux v5.0 (64-bit)' in the lower drop down menu
- Hit 'Request' button

For more information see [here](#).

## 3. Follow the instructions to request a Kerberos account. In order to get a Kerberos account to access ADE resources, you must have a valid operating system login (such as a Windows ORADEV account, or a PDIT DSEE login). Note that the account request may take several hours to satisfy before you can request your ticket:

- Go to <https://oim.oraclecorp.com>
- Under 'Requests' hit 'New Access' and type 'Kerberos' in Catalog search bar
- From the list select 'kerberos Request a Kerberos account for development'
- Click 'Add Selected to Cart'.
- Click 'Checkout'.
- Fill in 'Password' and 'Justification'.
- Click 'Ready to Submit' and 'Submit'

**Note:** After you get approved your Kerberos ticket requests, run: 'ade okinit' command on your VM console to get your ticket. Remember: you need to refresh the Keberos credentials (get new tickets) every 3 months or on every machine reboot.

For more information see [here](#).

## 4. If you don't have access to the 'FA\_CODE\_ACCESS' and 'FA\_IF\_ACCESS' ADE Access Group then request it in the following way:

- Go to <https://oim.oraclecorp.com>
- Under 'Requests' hit 'New Access' and type 'FA\_CODE\_ACCESS' in Catalog search bar
- From the list select 'FA\_CODE\_ACCESS Kerberos'
- Click 'Add Selected to Cart'.
- Click 'Checkout'.
- Fill in 'Justification'.
- Click 'Ready to Submit' and 'Submit'

Repeat above steps to get 'FA\_IF\_ACCESS'.

For more information see [here](#).

## 5. After your VM is imaged, go to the DevOps Reservations page and find your hostname under your reservations. You have several choices of how to access your machine

- Secure Global Desktop: <http://pd-sgd.oraclecorp.com/sgd/>. More details are found on this page:
- SSH Client: PuTTy (Windows), "ssh -X" (UNIX), etc.
- VNC: login to VM, start VNC server using "vncserver" command. In order to change the default window manager(twm) edit `~/.vnc/xstartup`. GNOME example:

```

#!/bin/sh
# Uncomment the following two lines for normal desktop:
# unset SESSION_MANAGER
# exec /etc/X11/xinit/xinitrc
[ -x /etc/vnc/xstartup ] && exec /etc/vnc/xstartup
[ -r $HOME/.Xresources ] && xrdb $HOME/.Xresources
#xsetroot -solid grey
#vncconfig -iconic &
#xterm -geometry 80x24+10+10 -ls -title "$VNCDESKTOP Desktop" &
#twm &
if test -z "$DBUS_SESSION_BUS_ADDRESS" ; then
  eval `dbus-launch --sh-syntax -exit-with-session`
  echo "D-BUS per-session daemon address is: \
$DBUS_SESSION_BUS_ADDRESS"
fi
exec gnome-session

```

Use VNC client to connect to your VM. Example: TigerVNC Viewer (should be available at <http://mydesktop.oraclecorp.com>)

SSH -x and VNC are useful if you connect to someone else's VM (Secure Global Desktop currently provides you with links only to your own reservations).

1. Log in to your VM and navigate to your home directory (e.g '/home/yourUserName')
2. To access any Oracle Fusion Applications **ADE** labels, you must set the **ADE\_SITE ADE** environment variable.

csh shell logins : *setenv ADE\_SITE ade\_fusion\_slc*  
bash logins : *ADE\_SITE=ade\_fusion\_scl ; export ADE\_SITE*

Note, if you don't have login script file ('.cshrc' file for csh or '.bashrc' for bash) in your home directory then create one. You should add these to your login script (.cshrc or .bashrc):

```

# Must have this to use ADE on VMs
setenv ADE_SITE ade_fusion_slc
# Need this for access to ASUTL and other FMW labels
setenv ADE_INCLUDE_LABEL_SERVERS /ade_automount/ade_generic,/ade_automount/ade_release_unit
# Standard space-saving technique. See
# https://kix.oraclecorp.com/KIX/display.php?articleId=168398#ADEWorkaround
if (! $?ADE_SKIP_HARDCODED_EXPANDS) then
setenv ADE_SKIP_HARDCODED_EXPANDS 1
setenv ADE_EXPAND_SPEC "fmwtools/*:fusionapps/jlib/*:fusionapps/grc/*:fusionapps/hcm/*"
endif

```

Note, if your VM is in Austin data center then instead of 'ade\_fusion\_slc' use 'ade\_fusion\_adc'.

3. Log out and log back in.
4. Create and enter an **ADE** view from a label using **ADE 'createview'** command:

*ade createview -series <series name> <your view name>*  
For example: *ade createview -series FUSIONAPPS\_PT.DEVMAIN\_LINUX.X64 -latest devmain*

You may list available **ADE** series by:  
*ade showseries -product <product name>*  
For example: *ade showseries -product plsql*

You may list available **ADE** labels by:  
*ade showlabels [-series <seriesname>]*  
For example: *ade showlabels -series FUSIONAPPS\_PT.DEVMAIN\_LINUX.X64*

5. Activate the view you created, such as:

*ade useview view\_name*

6. You must create the **\$HOME/fusion\_apps\_wls.properties** file. If the properties file does not exist, the domain will not be created correctly in either Integrated or Standalone WebLogic Server.

Thus, copy the sample file from **\$ADE\_VIEW\_ROOT/fatools/tools/wlsconfig/fadef/\$PATCHES4FA\_STRIPE/fusion\_apps\_wls.properties** to your home directory.

For example: *cp \$ADE\_VIEW\_ROOT/fatools/tools/wlsconfig/fadef/\$PATCHES4FA\_STRIPE/fusion\_apps\_wls.properties \$HOME*  
Change the properties file with the values you wish to use for data sources. There are many data sources configured. The 'dbConnection'

property is used as the default connection value for all data sources. The properties file will be used when configuring JDeveloper's Integrated WebLogic Server and Standalone WebLogic Server. Only the database values are used when configuring Integrated WebLogic Server. Other values, such as domainName and listenPort, are determined by JDeveloper. You can override the default location of the properties file by setting the environment variable WLS\_CONFIG\_PROPERTIES. Set this before starting JDeveloper or running the standalone create script, or in the create script. Make sure you have entered valid database connection details or your WebLogic Servers will not start. The ApplicationDB data source that is configured using these values is configured to support global transaction type Logging Last Resource. If the database is not available when you try to start WebLogic Server, it will fail with a message similar to:

*Server failed. Reason: JTAEExceptions:119002A logging last resource failed during initialization. The server cannot boot unless all configured logging last resources (LLRs) initialize.*

7. Remove these old properties files from your \$HOME directory: *appcore-install.properties* and *oracle-ess-install.properties*. Data sources will be configured to use values from *\$HOME/fusion\_apps\_wls.properties*.
8. Start JDeveloper by entering '*jdev*' command at the command prompt.  
The Migrate User Settings prompt may display. If it does and you are not sure whether to migrate settings, you should click No.
9. In order to checkout existing project sources to your VM you need to put your private key on the machine
  - Open another new terminal and navigate to your home directory
  - Create '*.ssh*' directory on your home directory
  - Put your private key to '*.ssh*' directory either by transferring it via ftp client or just creating a file like '*id\_rsa*' in '*.ssh*' directory then copy and paste the content of your private key file to there.
  - Change the file's permissions to read and write for only your user by invoking '*chmod 600 id\_rsa*', otherwise system will complain like the following:

*Permissions 0606 for '/home/<your\_username>/.ssh/id\_rsa' are too open.  
It is recommended that your private key files are NOT accessible by others.  
This private key will be ignored.*

10. Navigate to your JDeveloper workspace. Normally, it is in '*/scratch/<your\_user>/view\_storage/<your\_ade\_view>/jdev\_user\_home/mywork/*'. Clone the project: '*git clone ssh://gitolite@ballys.us.oracle.com/Your\_Project*'. Note, the directory '*mywork*' might not exist if you are running the JDeveloper for the first time, thus, you can create a simple application from JDeveloper and it will automatically create the '*mywork*' (JDeveloper's default workspace) directory. Alternatively, you may clone the project using JDeveloper. For this open JDeveloper, navigate to '*Versioning*' tab, choose '*git*' then '*clone*'. Hit '*next*' and provide repo URL and credentials. If you want to connect to repo via private key, provide the path of your private key'(and passphrase if needed). Hit '*next*', again '*next*' and choose '*destination*' and the '*Checkout branch*', hit '*Finish*'.
11. Open your project from JDeveloper.

For more information see [Oracle Fusion Applications Developer's Guide](#).

## Fusion Standards

### Data model standards

<https://stbeehive.oracle.com/content/dav/st/Fusion%20Applications%20-%20Standards/Public%20Documents/Data%20Model%20Standards.htm>

### Fusion Applications Internationalization Home

[Fusion Applications Internationalization Home](#)

[Submitting Strings for Approval.doc](#)

[String Repository](#)

### GSCC rules

[http://aru.us.oracle.com/GSCCForms/GSCCMain/get\\_form](http://aru.us.oracle.com/GSCCForms/GSCCMain/get_form)

### Creating Fusion XDF Files for HWR Application

[Creating Fusion XDF Files for HWR Application.pdf](#)

### Environment Setup Run Dmcheck

[Environment Setup Run Dmcheck.pdf](#)

## JAudit

<https://stbeehive.oracle.com/teamcollab/wiki/Fusion+Apps+JAudit:JAudit+FAQ>

How to Check Violations in your ADE transaction

## Fusion Icon Management

<https://stbeehive.oracle.com/teamcollab/wiki/Fusion+Icon+Management:R10+Alta+Content+Conversion+List>

## String Repository

Search/view/track string status in the SR:

[https://rms.us.oracle.com/analytics/saw.dll?dashboard&PortalPath=%2Fshared%2FFUSION%3ASTRINGS%2F\\_portal%2FStrings%20Repository](https://rms.us.oracle.com/analytics/saw.dll?dashboard&PortalPath=%2Fshared%2FFUSION%3ASTRINGS%2F_portal%2FStrings%20Repository)

You need to request for read access to FUSION:STRINGS

## Access Key recommendations

Access Keys - Fusion standards

Access Keys - general guideline

## Creating dummy bug number

**From Tom G. Snyder:**

The code is basically read only without beginning the trans. If you want to make any edits at all, then you do need a transaction. If you just want to view, you don't.

I personally just have a fake bug I use for this. Obviously if you really wanted to make and commit changes then you should be using a real bug relating to that bug number.

The easiest way to create a bug, is to just do a soft copy of an existing one. Bug DB is at <https://bug.oraclecorp.com/>

Click "Enter a bug".

At the bottom under "OR", next to "Enter a bug like Bug#" enter the number then click "copy this bug". I always do this, I never create completely from scratch. Here's the number of one I created recently: **19926170**

Here is the # for my fake bug for playing with JDEV, you can see what I put for title/description etc. and make one similar if you need to. This is from back in R8 though, so don't copy this one in the above step, just view it.

**Bug 17167169 - NEED BUG FOR ADE MODIFICATIONS**

After the copy, you need to fill in:

Status – make it 11

Defect Activity – best guess to what makes sense in here

Subject

Then above the description next to Hide/unhide the text - select "Hide". We always select Hide, not sure what the difference is, I was just told always select Hide.

Then enter a brief description. Enter enough so that if someone reviews this bug (which they do for every bug), they will be able to tell what it is. Then select Save.

I think that's it, may be missing something... everything with a "\*" needs a value.

Then on the next page, enter in your BUGID under "Assigned" and click "Save" again.

Then this is the BUG# that you will use. Can always click on "My Open Bugs" from the main window as long as you assigned it to yourself to get the number.

## How to browse code audit violations

In order to efficiently browse through preflight build code audit violations in HWR and Wellness projects, you can:

1. Go to Hudson preflight build info page (e.g. [http://slc03qfl.us.oracle.com:18080/job/HWR\\_Cardea\\_master\\_Preflight/579/](http://slc03qfl.us.oracle.com:18080/job/HWR_Cardea_master_Preflight/579/))
2. Click "Build Artifacts" > "Reports"

3. Click ProjectName.jws\_Category1-2.html (e.g. [http://slc03qfl.us.oracle.com:18080/job/HWR\\_Cardea\\_master\\_Preflight/579/artifact/Reports/HWR\\_Cardea\\_master\\_Preflight\\_579\\_Jaudit\\_HcmWorkforceReputation.jws\\_Category1-2.html](http://slc03qfl.us.oracle.com:18080/job/HWR_Cardea_master_Preflight/579/artifact/Reports/HWR_Cardea_master_Preflight_579_Jaudit_HcmWorkforceReputation.jws_Category1-2.html))
4. Go to "Violation Summary" section and choose the specific module you're interested in.

## Problem with a label?

Experiencing a problem with a label? Type in

```
$ ade cmhelp
```

to get hints about how to troubleshoot/report the issue.

## Accessing Fusion Apps environment

If you ever need to access a Fusion Apps environment, go to this web page;

[http://efops.us.oracle.com:7779/efops\\_feip](http://efops.us.oracle.com:7779/efops_feip)

In there you will see links for each release (R9, R10 etc.), and for different types - CDRM, Starter, etc. Pick the release you are interested in. If you don't know/care pick one before the top - that will be the latest stable release. The different environment types are as follows;

CDRM - pre-populated with standard QA data

Starter - not pre-populated, so generally almost empty

GSE - pre-populated with the sales environment

You want to pick the CDRM environments in general. When you click on the number under CDRM, you will see a few different environments, with different ST levels. In general pick the latest one. The project name column may also indicate what the environment is used for. DIT means it is getting development patches applied to it for testing, so may be less stable. Debug environments will have logging turned on, so will be slow. Neither of those should be your first choice. If there is one marked "Long Running", that may be a good one.

Once you have found a suitable environment, click on the End User link. That will take you to the environment details. Click on the "FUSE+ Unified HomePage" link to get to a login screen. If it doesn't work (all too common I'm afraid), the environment is down for patching or maintenance. Go back a few steps and pick a different one. On CDRM environments, the following logins are always in place;

HR\_SPEC\_ALL/Welcome1 for HR Specialist access - can see most HR functions

APP\_IMPL\_CONSULTANT/Welcome1 for an application administrator - can see most setup

IT\_SECURITY\_MGR/Welcome1 for the security manager - can configure security

These environments are all used by QA, so do not mess with their data - but do feel free to enter your own.

The environment pages also include database access details if you want to poke about in the Fusion schema. You log in as fusion\_read\_only, so you may need to add the schema name to your queries - e.g. select \* from fusion.per\_all\_people\_f. Links to access the WebLogic server and the EM are also on there - use the login weblogic\_read\_only/wlsreadonly123.

Created by Martin Millmore

## How-to articles

Add how-to article

| Title   | Creator           | Modified              |
|---|-------------------|-----------------------|
| How to start TeamCity   | Bartek Styrylski  | yesterday at 12:29 PM |
| How to preview BLOB images in Oracle SQL Developer                  | Wojciech Piekaj   | May 25, 2016          |
| Performance testing   | Daniel Slavetskiy | Jan 04, 2016          |
| R10 testing results   | Daniel Slavetskiy | May 21, 2015          |
| HWR and HWR-Cardea DB preparation and patches application processes | Olek Kamczyc      | Dec 15, 2014          |

## Git tips

## How to undo almost anything with git

<https://github.com/blog/2019-how-to-undo-almost-anything-with-git>

## How to create a shared git repository on a VM

The following steps will create a bare git repo that can be shared between team members.

Assumptions:

- Access control on the group level.
- Git binaries are provided by ADE (otherwise skip steps 6-7 and make sure the git binaries are in the PATH for a non-login shell)

1. Log into VM
2. `mkdir -p /whereyouwant/myrepo.git`
3. `cd /whereyouwant/myrepo.git`
4. `git init --bare`
5. `git config core.sharedRepository group`
6. (If not fixed on this VM)  
    `cd /usr/bin/  
    sudo ln -s /[path/to/ADE/git/install/dir]/bin/git* .`  
    [`[path/to/ADE/git/install/dir]` is usually `/ade_autofs/ade_infra/GIT_1.9_LINUX.X64.rdd/LATEST/git`]
7. `git instaweb --httpd=webrick`

From now on the repo can be cloned

```
git clone ssh://yourvm.us.oracle.com/whereyouwant/git/repos/myrepo.git
```

Gitweb by default should be available at

```
http://yourvm.us.oracle.com:1234
```

References:

<https://git-scm.com/book/en/v2/Git-on-the-Server-Setting-Up-the-Server>

<http://stackoverflow.com/questions/6448242/git-push-error-insufficient-permission-for-adding-an-object-to-repository-datab>

<http://stackoverflow.com/questions/225291/git-upload-pack-command-not-found-how-to-fix-this-correctly/550145#550145>

<https://git-scm.com/book/en/v2/Git-on-the-Server-GitWeb>

## How to execute password-less commands in git over SSH?

Use `ssh-copy-id` to transfer your public key to the remote host.

More details: [Stop typing my password every time I use ssh](#)

Note: In Gerrit ([re-git.us.oracle.com](http://re-git.us.oracle.com)) you do a similar operation via web interface (Settings -> SSH Public Keys -> Add Key).

## How to deal with Gerrit not allowing merge commits?

The best way to deal with Gerrit not allowing merge commits (because of lack of change id) is not to create merge commits at all.

*But git created them when I pulled! Not my fault!*

You can tell git to rebase instead of merge:

```
git pull --rebase
```

An example:

You have a repository with three commits in it:

| Graph | Description                           | Date              | Author          | Commit  |
|-------|---------------------------------------|-------------------|-----------------|---------|
|       | master   origin/master   Third commit | 17 gru 2015 13:19 | Pawel Baczynski | 25010ff |
|       | Second commit                         | 17 gru 2015 13:19 | Pawel Baczynski | 3e3eb98 |
|       | First commit                          | 17 gru 2015 13:15 | Pawel Baczynski | 8b65200 |

We want to add 9 and 10 to a file:

At the same time someone has pushed a change that adds 7a:

That is how the repo looks after `git pull`:

| Graph | Description                              | Date              | Author            | Commit  |
|-------|--|-------------------|-------------------|---------|
|       | master   2 ahead   Merge branch 'master' | 17 gru 2015 13:28 | Pawel Baczynski < | 1a4cf03 |
|       | origin/master   Add 7a                   | 17 gru 2015 13:26 | Pawel Baczynski < | 5b70c1c |
|       | Add 9 and 10                             | 17 gru 2015 13:25 | Pawel Baczynski < | d6713a9 |
|       | Third commit                             | 17 gru 2015 13:19 | Pawel Baczynski < | 25010ff |
|       | Second commit                            | 17 gru 2015 13:19 | Pawel Baczynski < | 3e3eb98 |
|       | First commit                             | 17 gru 2015 13:15 | Pawel Baczynski < | 8b65200 |

And this is how the repo looks after `git pull --rebase`:

| Graph | Description                     | Date              | Author            | Commit  |
|-------|---------------------------------|-------------------|-------------------|---------|
|       | master   1 ahead   Add 9 and 10 | 17 gru 2015 13:35 | Pawel Baczynski < | a8360f5 |
|       | origin/master   Add 7a          | 17 gru 2015 13:26 | Pawel Baczynski < | 5b70c1c |
|       | Third commit                    | 17 gru 2015 13:19 | Pawel Baczynski < | 25010ff |
|       | Second commit                   | 17 gru 2015 13:19 | Pawel Baczynski < | 3e3eb98 |
|       | First commit                    | 17 gru 2015 13:15 | Pawel Baczynski < | 8b65200 |

Much nicer and gerrit-friendly 😊

## How to checkout all git submodules in one go?

After cloning the repository containing your submodules run this command:

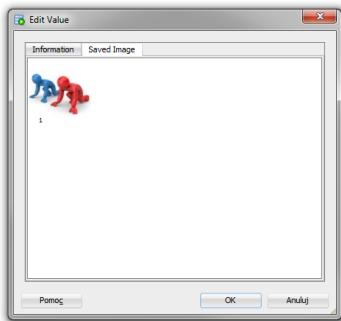
```
git submodule foreach --recursive git checkout <branch name>
```

## How to preview BLOB images in Oracle SQL Developer

### Step-by-step guide

1. Select table on the navigation panel.
2. Select 'Data' from the tabs on the main panel.
3. Double click the cell with BLOB data and open 'Edit value' dialog box (or click 'pencil icon' in the cell).
4. Check 'View as Image' checkbox to preview the image.

|   | IMAGE_ID | MIME_TYPE                                 | BO_TYPE   | BO_ID    | IMAGE_DATA         | CREATED_BY | CREATION_DATE |
|---|----------|---|-----------|----------|--------------------|------------|---------------|
| 1 | 3.jpg    | oracle:apps:hcm:hwr:cardea:botype:contest | 44 (BLOB) | ABRADLEY | 16/05/25 05:37:52, |            |               |
| 2 | 1.jpeg   | oracle:apps:hcm:hwr:cardea:botype:contest | 43 (BLOB) | ABRADLEY | 16/05/25 04:12:34, |            |               |



## Related articles

<http://www.thatjeffsmith.com/archive/2014/05/exporting-multiple-blobs-with-oracle-sql-developer/>

## How to start TeamCity

It may happen that our TeamCity instance goes down. Below are the steps to bring it up.

### Step-by-step guide

1. ssh slc10ujk.us.oracle.com
2. sudo su - anputsey (don't be evil!)
3. /scratch/tc/TeamCity/bin/teamcity-server.sh start
4. /scratch/tc/TeamCity/buildAgent/bin/agent.sh start

## Related articles

- [How to start TeamCity](#)

## HWR - essentials



### BugDB information

Product: 10225 – Oracle Fusion Workforce Reputation Management

### Project meetings

- [Discussions log](#)

### Product documentation

- [Requirements](#)
- [Workforce Reputation Management - Internal Development Workspace](#)
- [HWR High Level Overview](#)

## Project How-To

- UI local dev setup (R12)

## Knowledgebase

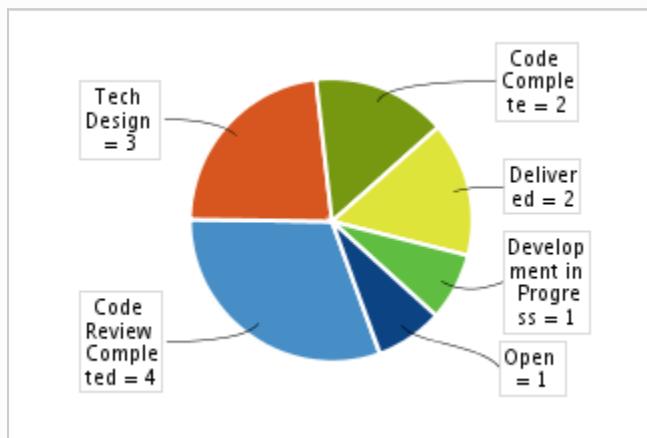
- Authentication knowledge base
- HWR development related tutorials and video
- When something goes wrong...

## Development environment details

- Social Media Test Accounts
- Reputation Development Database

## Project tracking

- JIRA Kanban board



| Key           | Summary  | Updated      | Due | Assignee          | P | Status                  |
|---------------|--|--------------|-----|-------------------|---|-------------------------|
| TLEOSMORG-451 | Add VO for free text questions   | Aug 31, 2016 |     | Bartek Styrylski  | ◇ | CODE REVIEW COMPLETED   |
| TLEOSMORG-452 | Add VO for choice questions  | Aug 25, 2016 |     | Lukasz Debiec     | ◇ | DELIVERED               |
| TLEOSMORG-453 | Load VO for free text questions and convert to SurveyTopicResponse               | Aug 31, 2016 |     | Bartek Styrylski  | ◇ | CODE REVIEW COMPLETED   |
| TLEOSMORG-454 | Load VO for choice questions and convert to SurveyResultsForMultiChoiceQstn      | Aug 16, 2016 |     | Tomasz Urbanowicz | ◇ | DEVELOPMENT IN PROGRESS |
| TLEOSMORG-455 | Implement UI for free text questions   | Aug 29, 2016 |     | Jakub Skrzynski   | ◇ | CODE COMPLETE           |
| TLEOSMORG-456 | Implement UI for choice questions  | Aug 16, 2016 |     | Tomasz Urbanowicz | ◇ | TECH DESIGN             |
| TLEOSMORG-457 | Research export and print capabilities   | Sep 07, 2016 |     | Anatoli Putseyeu  | ◇ | CODE REVIEW COMPLETED   |
| TLEOSMORG-458 | HWR user - Meeting Surveys   | Aug 10, 2016 |     | Tomasz Tomalak    | ◇ | OPEN                    |
| TLEOSMORG-459 | Implement loading topics for survey  | Sep 07, 2016 |     | Anatoli Putseyeu  | ◇ | DELIVERED               |
| TLEOSMORG-460 | UI - create "Suggested criteria from other users" section                        | Sep 07, 2016 |     | Anatoli Putseyeu  | ◇ | CODE REVIEW COMPLETED   |
| TLEOSMORG-461 | Implement "+" action for topics in "Suggested criteria from other users" section | Aug 26, 2016 |     | Artur Sergeyev    | ◇ | CODE COMPLETE           |

|               |  |              |                  |             |
|---------------|--|--------------|------------------|-------------|
| TLEOSMORG-462 | UI - fix "Manually added topics" section | Sep 07, 2016 | Anatoli Putseyeu | TECH DESIGN |
| TLEOSMORG-463 | Move TC to new VM                        | Sep 09, 2016 | Anatoli Putseyeu | TECH DESIGN |
| 13 issues     |  |              |                  |             |

#### Points of Contact

- Malini Chakrabarti ([malini.chakrabarti@oracle.com](mailto:malini.chakrabarti@oracle.com)) - WRM development manager

## WRM backend

- WRM backend backlog
  - Pagination
    - Convert from FQL to Graph API 2.0
    - Facebook connector description
    - Facebook graph api basics
    - Introduction
    - Linked In API Deprecated
    - Pagination in LinkedIn
    - Scope from Tom
    - Twitter API id value
  - Fusion Connector performance
  - Fusion Connector hasReport
- WRM backend dev setup
- Access token for Social Media users
- Access tokens lifetime
- Deployed WRSA Application
- Test accounts
- Test WRSA apps
- Control analysis and persistence
- Job scheduling

## WRM backend backlog

- Pagination
  - Convert from FQL to Graph API 2.0
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- Fusion Connector hasReport

## Pagination

### Status

| Item   |  | Status | Jira  | Comments |
|--------|--|--------|---|----------|
| Set up |  | Done   | HCMCF-1816 - JIRA<br>issue doesn't exist or you don't have permission to view it. |          |

|              |   |             |  |   |
|--------------|---|-------------|--|---|
|              | Facebook/Linkedin/Twitter apps          | Done        |  |   |
|              | Facebook/Linkedin/Twitter accounts      | Done        |  |   |
|              | WRSA instance                           | Done        |  | We have WRSA instance set up by Tom. Also Krzysztof implemented 'WRSA Lite' when we easily and not deploy whole WRSA.   |
|              | Mocking strategy                        | Done        |  | We can mock HTTP responses ( JSON ) using Mockito mock/spy strategy. No additional me   |
| Facebook API |   | Done        | <div style="border: 1px solid orange; padding: 2px;"><span style="color: orange;">⚠️</span> HCMCF-1584 - JIRA issue doesn't exist or you don't have permission to view it.</div>   | API v1.0 is deprecated and according to Facebook it will be removed by April 2015 ( <a href="https://docs.facebook.com/apps/changelog">https://docs.facebook.com/apps/changelog</a> ). What do we do about it?<br><br>In v2 we can take time or offset-based approach   |
|              | Research                                | Done        |  | Investigate how Facebook API works and how it is currently implemented.   |
|              | Pagination                              | Done        |  | Need to determine which API calls should be paged - but looks like most of the calls will need calls (e.g. likes and comments of the posts). The "how" part (i.e. approach) seems clear.<br><br>To do: pagination for friends and related calls, along with full refactoring. Estimate 10md   |
|              | FQL mitigation - migration to Graph API | Done        |  | Approach seems clear, no functional migration gaps identified so far.<br><br>One thing seems broken already though - description_tags field is supposed to be retrieved supported either via FQL and Graph API.<br><br>Another issue is that description field is supposed to be retrieved. It's not supported by FQL, API.<br><br>Done: Add methods using Graph Api for all features that was implemented using FQL. |
| Twitter API  |   | Done        | <div style="border: 1px solid orange; padding: 2px;"><span style="color: orange;">⚠️</span> HCMCF-1817 - JIRA issue doesn't exist or you don't have permission to view it.</div>   | There is minid/maxid mechanism already implemented for tweets API call  |
|              | Friends and Followers                   | Done        |  | CursorResultProcessor and related classes have been introduced, including unit tests, mock (e.g. TwitterAPITest)  |
|              | Further scope                           | Done        |  | For now only friends/followers needed to support cursor. There are no other calls that needs can check cursored queries in <a href="#">supported_cursored_calls.txt</a> .   |
| Linkedin API |   | Not started | <div style="border: 1px solid orange; padding: 2px;"><span style="color: orange;">⚠️</span> HCMCF-1819 - JIRA project doesn't exist or you don't have permission to view it.</div> | Tasking done, rough estimate is 20md.   |
|              | Testing                                 | Not started |  | Preparation of test data, e.g. accounts, review of the tests we have, creation of new tests   |
|              | Refactoring                             | Not started |  | General refactoring to follow QueryResultProcessors convention  |

|                      |            |             |  |   |
|----------------------|------------|-------------|--|---|
|                      | Pagination | Not started |  | Uptake of pagination mechanism in applicable API calls, including max days limit  |
| Max days limit       |            | Done        |  HCMCF-1818 - JIRA issue doesn't exist or you don't have permission to view it. | Done for Facebook posts. Comments and likes don't seem to support date modifiers - although analyze dates on subsequent pages and interrupt fetching.<br>TweetCollectionProcessor also needs to do this, as there is no support for since and until parameter in user_timeline call ( <a href="http://stackoverflow.com/questions/17609400/how-to-fetch-tweets-since-user-using-twitter-api">http://stackoverflow.com/questions/17609400/how-to-fetch-tweets-since-user-using-twitter-api</a> ) - implementation started. |
| Keys standalone tool |            | Done        |  HCMCF-1816 - JIRA issue doesn't exist or you don't have permission to view it. | WRSA Lite has been developed. Reviewed with Tom. Xing could be supported as well.<br>There is shared Krakow instance, others may download and use as needed.  |

## Resources

- Test accounts
- Test WRSA apps

## Related content

- Convert from FQL to Graph API 2.0
- Facebook connector description
- Facebook graph api basics
- Introduction
- Linked In API Deprecated
- Pagination in LinkedIn
- Scope from Tom
- Twitter API id value

## Convert from FQL to Graph API 2.0

Please check this page to see what tables are available in FQL <http://fbdevwiki.com/wiki/FQL>. We need to somehow map fields from fql tables to graph api to ensure backward compatibility.

Stream table.

| FQL column name  | Graph API Field name | Description  |
|------------------|----------------------|--|
| post_id          | id                   | Id of the post   |
| actor_id         | from#id              | The user ID of the person who is the user taking the action in the post.                                 |
| message          | message              | post content   |
| (no equivalent)  | description          | description Of link, video etc. For instance for Youtube video it is description retrieved from Youtube. |
| description      | story                | description of the post (for example "X commented on his own status")                                    |
| description_tags | story_tags           | tags in the description of the post (for example: X is a tag (of type user) in the example above)        |

|                            |                              |  |
|----------------------------|------------------------------|--|
| created_timehares#         | created_time                 | create time, important thing is that in FQL it returns seconds from Epoch, in Graph API it is returned as eq. 2014-11-14T06:19:38+0000   |
| message_tags               | message_tags                 | In Facebook You can tag other person, group etc in message or photo for instance. Here you get array of tags including id of tagged user, name, type of tag ( user, page, group etc. ), offset and length to locate it in message. |
| type                       | type                         | The type of post. It could be video, mp3 or sth. In FQL it was returned as integer but it was also deprecated. Now it is string.   |
| share_count                | shares#count                 | number of shares of particular photos  |
| like_info#like_count       | likes#summary#total_count    | We need to set flag summary to true to summary tag appear.   |
| comment_info#comment_count | comments#summary#total_count | We need to set flag summary to true to summary tag appear.   |

Comments table:

| FQL Column name | Graph API field name         | Description   |
|-----------------|------------------------------|---|
| comment_count   | comments#summary#total_count | total comments(responses) for that comment.             |
| fromid          | from#id                      | id of user who write the comment.                       |
| likes           | comments#like_count          | total likes count.                                      |
| post_id         | post#id                      | id of the post  |
| id              | comments#id                  | comment id  |
| text            | message                      | content of the comment. Can include tags                |
| text_tags       | message_tags                 | tags from comment content.                              |
| time            | created_time                 | time of comment created. Graph API provides text format |

Like table

| FQL column name | Graph API field name | Description                       |
|-----------------|----------------------|-----------------------------------|
| user_id         | likes#id             | id of user who like this content. |
| post_id         | id                   | liked post.                       |

## Facebook connector description

### Methods description

Needs rewrite to Graph API:

**getPosts** - gets all posts from users feed(stream). Feed is posts or links published by this page or by others on this page.

**getComments** - Get comments to all posts from particular users feed.

**getLikes** - Get likes basic data for all posts in particular users feed.

Need to implement pagination:

**getProfileConnections** - It gets all users friends and groups. In one query it retrieve friends ids and profiles and in other query it do the same for groups. Need to implement pagination.

**getMembers** - Need to implement pagination.

All methods that are now written in FQL also needs pagination.

## Facebook graph api basics

It looks like Facebook api is not very well documented so I will summarize what I know so far.

### Searching:

For some methods you can search using 'q' parameter. You can search users using q and provide text message combined with OR/AND. NOT is not supported. Post search is deprecated. We use this feature in searchUsers method.

### Batch Query:

It executes several query and can use result from first query in other queries by name. To execute that query we need to use <https://graph.facebook.com> and provide and providing query definition in post param using format { <first\_definition>, <second\_definition>, ... }. Query definition example

```
{ "method": "GET", "name": "get-members-{group-id}", "relative_url": "{group-id}/members?limit=5&fields=id" } - query definition which gets members from group with id {group-id}.
```

Of course we would like to use result from this query to get profiles of that members and so we can retrieve them in one HTTP Request. We can use it by using :\$.data.\*.id which means that we want to all id attributes from data property of JSON response. To use other properties You need to check how response looks like. The second query definition would look like this:

```
{ "method": "GET", "relative_url": "?ids={result=get-members-{group-id}:$.data.*.id}" } - ids={id,id1,id2} just download basic profile information for specified ids. Note that we need to use precise query name.
```

So combining two above query we could get ids and then profiles for all group members.

## Introduction

### *From Ibtisam Haque*

Please find the attached brief draft that I jot down earlier today for the pagination in terms of social media connectors.

This will give you some idea of the main points that we went over in the morning.

[Pagination Draft overview.pdf](#)

### Pagination issues... some links

#### *Twitter*

<https://dev.twitter.com/rest/public/timelines>

#### *Facebook*

<https://developers.facebook.com/blog/post/478/>

#### *LinkedIn*

<https://developer.linkedin.com/forum/pagination-connections-unordered-duplicate-records>

#### *API explorers*

#### *Twitter*

<https://dev.twitter.com/rest/tools/console>

During using Twitter API if You are invoke request for next page use cursor value make use that You are using cursors with "\_str" suffix. It could be different than not string value and could cause confusing results.

#### *LinkedIn*

<https://developer.linkedin.com/rest-console>

#### *Facebook*

<https://developers.facebook.com/tools/explorer/>

Also, sometimes you will notice some differences between the api docs and how the api is working in your code, like I showed you in the morning (count attribute). Unfortunately, then api code is the way to go and checks need to be added in the code to verify that code doesn't break.

## Linked In API Deprecated

Toms Mail:

"Fyi, Linkedin just announced major API changes. This looks bad for us.

Just wanted to give you a heads up since you were going to do some analysis. Will talk to Kent about how to proceed now. Paging might not be necessary since I'm not sure how many of the APIs we use will still be available.

<https://developer.linkedin.com/blog/posts/2015/developer-program-changes>

Here is a link from the first page that describes in more detail about what is being deprecated.

<https://developer.linkedin.com/support/developer-program-transition>

"

After 12 May some of APIs only some of APIs will be still available:

Profile API — /v1/people/~ - only for actual user

Share API — /v1/people/~/shares

Companies API — /v1/companies/{id}

API that we are using but will be deprecated.

Other users profiles - /v1/people/{id} - besides SHARES

Group Memberships API - v1/people/{id}/group-memberships

Search People API - /v1/people-search

People Connections API - /v1/people/~/connections

Methods that will work ( or partially work ) after change:

- getProfile/getProfileLight/getProfileId/getUrlOfProfile - only for user that is resource owner

Here are methods that will not work after that changes:

- getProfile/getProfileLight/getProfileId/getUrlOfProfile- for all users beside resource owner
- sendMessage
- getPosts - uses /network/updates
- getConnections/getUrlOfConnections
- getGroups
- peopleSearch

## Pagination in LinkedIn

LinkedIn supports pagination by adding additional params

- Param 'count' the number of fetched objects per page. ( default 10 max 25 )
- Param 'start' indicate position of actual request 'page'. It should be a multiplication of count.
- modified-since - date of last modification of fetched object. We might want to get only objects created since particular time.

It seems that LinkedIn's **/v1/people/~/connections** now correctly returns all the values when start and count (smaller than total count) parameters are specified, i.e. paginated fetching results in the same list of contacts that fetching the whole list at once (count >= total count) - this was tested on a private LI account of Krzysztof. For unknown reason, not all of the connections are returned in both cases: from total = 114, only 112 are returned.

We need more sane way of testing, like described here: <http://stackoverflow.com/questions/12596369/a-full-linkedin-profile-for-testing-an-app> . Too bad the forum link provided in answer doesn't work - LinkedIn developer forum seems to be deleted.

Scope from Tom

The target is for Facebook, Linkedin, and Twitter.

For small scope, I would recommend doing Twitter's users you are following first. Reason being it's easy to get a number of people to follow for the purpose of testing (you can follow almost anyone on twitter). Also as I believe I have mentioned, Twitter has a bit less code than the others since a Twitter profile is a lot more basic and has less information than for instance Facebook. So I typically suggest looking at twitter as a first connector.

In twitter, people we are following are referred to as "friends". So the calls that the TwitterApi.java makes to the ext-webclient are:

```
// Get the IDs of friends  
  
RestQuerySimpleResult myFriendIDsResult =  
  
    mTwitterAPIHelper.getFriendIDs(pProfileID, pAccessToken, pAccessTokenSecret);
```

Then if you trace down the code, to actually get their profiles, we call:  
mTwitterAPIHelper.getProfiles

Notice that code to get people following you is directly under this, but followers is probably easier to start with since it's easier to follow someone than to get someone to follow you for testing.

I guess one question is that you mentioned you would like to create your own app/users. If so, work on getting them created first, then I can set up a WRSA so that we can generate user tokens for these users. Otherwise we can provide you with a few users/tokens (we have 4 or 5 users I think people have created for twitter).

The steps to create the app has been updated at the following link. Notice however that if you create an app, in order to have users to download with it we will have to set up a WRSA with those app keys and register the users using that app. The exception is facebook, as you can set up test users within the app and also get their keys from the page you manage the test users on. But those keys on their dev page usually only last for a day or two before they expire and you have to get them again, where as the ones from WRSA last 60-90 days typically.

I added this doc to the wiki page our team has maintained. The first section is app creation. The rest is WRSA setup, so you can ignore that for now. Direct link is here:

[https://stbeehive.oracle.com/content/dav/st/WRM%20Development%20Team%20Workspace/Documents/WRM/WRSA\\_install\\_soc\\_med\\_update.odt](https://stbeehive.oracle.com/content/dav/st/WRM%20Development%20Team%20Workspace/Documents/WRM/WRSA_install_soc_med_update.odt)

For the other things:

API calls will be anything related to downloading of "Connections" or "Posts". You can find the entry into the \*Api.java classes from the \*Connector.java classes. Then the \*Api.java classes will call the ext-webclient code.

For connections:

```
Under new IProfileDownloader() {  
  
The else section under getFriendsProfiles (bolded/underlined) - (this is an example from Twitter)  
if (plsMainProfile) {  
  
...  
  
} else {  
  
    return mTwitterAPI.getFriendsProfiles(pPersonaSyncInfo.getProfileID(),  
myAccessToken, myAccessTokenSecret);  
  
}
```

All calls that are called in ext-webclient from the connector's getFriend's methods must be evaluated to see if paging is necessary (in almost all cases it will be).

The other area is posts. There is a method "downloadPosts" in the \*Connector.java classes. This will call the connector's \*Api.java class, which calls ext-webclient. For instance,

// Get the posts

```
Map<String, Object> myPostsMap =  
    mTwitterAPI.getTweets(myPersonaSyncInfo, myPublicQueryAccessToken,  
    myPublicQueryAccessTokenSecret, mDataSourceID);
```

Anything in ext-webclient that is called from either of these 2 entry points needs to be looked at. In most cases changes will be needed to all these APIs. We can give you some more detail, but it will probably be worthwhile for your team to start tracing through the code to get more used to the format/layout of it.

The max days is in scope as part of this. Since we would only get one page previously, we wouldn't get stuck processing a single profile for a long length of time. In this scenario we could (think 1-2 seconds per API round trip, a few hundred+ pages... could be a problem). So this should be included.

The flush can be out of scope. We will probably have to go over this change with the data services team to make sure more consistent flushing is supported/will work properly. The change on our end should be minor, just called DataWriter.flush() method after a more realistic amount of data is processed as opposed to waiting till everything has been processed. But due to some collaboration that is needed this can be considered as out of scope and addressed later. Plus I don't see paging as making this problem that much worse than it is in the current code.

### Twitter API id value

#### **Twitter IDs**

When consuming API using JSON, JavaScript or any other 32-bit environment it is always suggested to use id\_str field rather than just id field. More information about that can be found on

<https://dev.twitter.com/overview/api/twitter-ids-json-and-snowflake>

I think that we could consider ALWAYS use id\_str fields in WRM project even if we use 64-bit environment. It could happen that some machine are still 32-bit and that could lead to some weird problems. Performance for parsing that string to java object like Long for instance is not an issue I think.

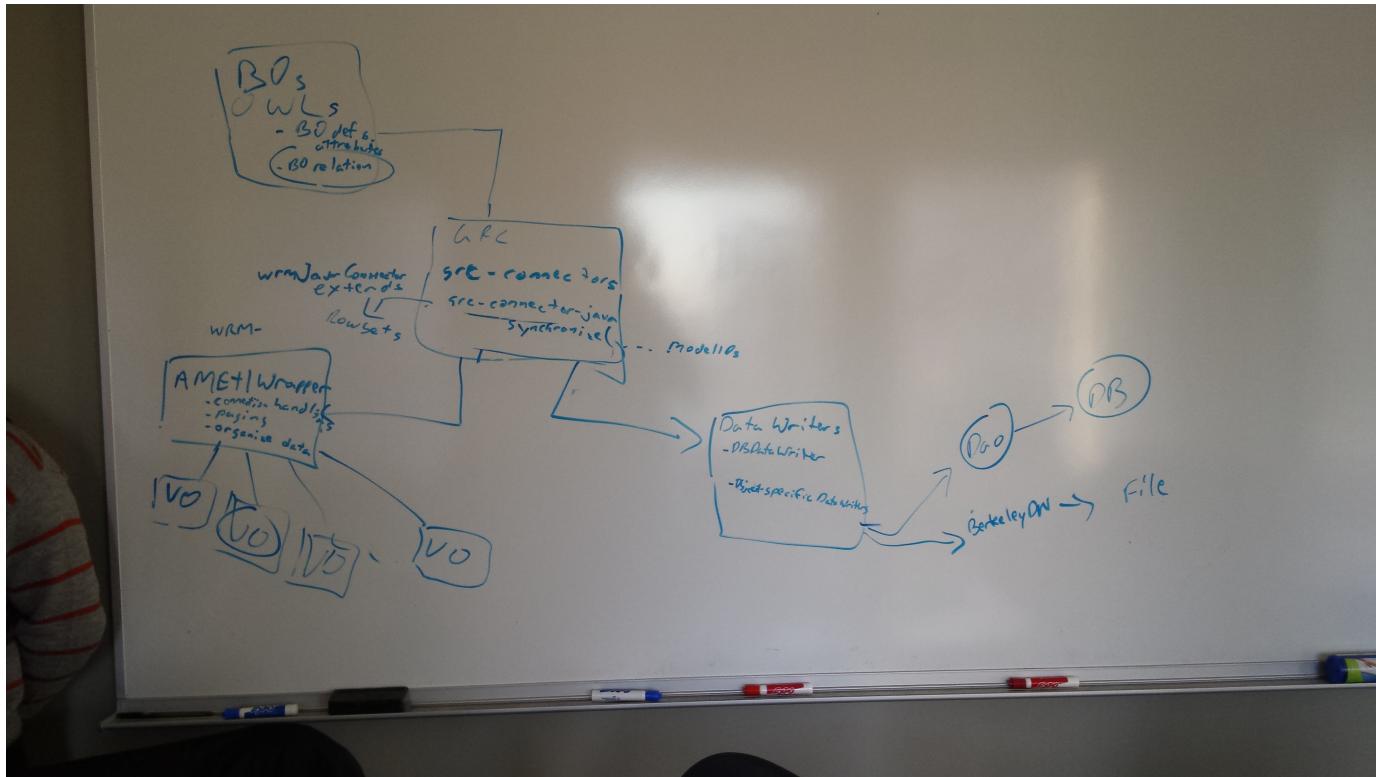
### Fusion Connector performance

#### How to set up Fusion Connector

See [WRM backend dev setup](#), Fusion Connector section.

#### Moving parts

- Business Objects definitions in OWL files
- Java Connector
- AmETLWrapper and VOs layer
- DataWriters



## Performance analysis from Sree

HWR Fusion Connector Performance V2.docx

## Info from Steve Vance

Ok, found some info.

That part of the select, with a bit or other refactoring, was added to fix this:  
[https://bug.oraclecorp.com/pls/bug/webbug\\_print.show?c\\_rptno=16844282](https://bug.oraclecorp.com/pls/bug/webbug_print.show?c_rptno=16844282)

From the bug:

The top supervisors do not have AssignmentSupervisor records and are getting excluded from the etl select.

Some example top supervisors:

```

100000008153799
100000012554492
100000012594493
100000012604642
100000012604822
100000012606134
100000012609008

```

Most of the select is going through Person records and finding their Managers through joins on PER\_ASSIGNMENT\_SUPERVISORS\_F. These 'top supervisors' could be because there are many Larrys (actual top supervisors) and some could be from bad(ish) data, where they probably report to someone but it isn't in the system accurately.

With:

```

AssignmentDPEO.PERSON_ID = (SELECT MAX(InnerAssignSupervisorPEO.MANAGER_ID) FROM PER_ASSIGNMENT_SUPERVISORS_F
InnerAssignSupervisorPEO WHERE InnerAssignSupervisorPEO.MANAGER_ID = AssignmentDPEO.PERSON_ID)

```

(assuming I'm understanding/remembering correctly)

The query is saying this person has no manager, lets double check that someone else reports to them. If the person is a manger, the inner select returns that PersonID back. In the returned columns, this also means the "MANAGER\_ID" column will be null.

## Fusion Connector hasReport

## From Tom

We have a requirement to make a change to the Fusion connector to support adding a relation for "hasReport".

We have an existing hasLead relation which is between objects org->profile. The new hasReport relation will be from objects profile->profile. The org ID is currently just the profile ID of the lead. So it is just a matter of re-writing this data a <sup>nd</sup> time as the new relation. The controls can't work with the existing hasLead relation for some reason, even though it is going to have the same data.

The bad news is that given the design, the only obvious way to do this is to re-pull all the data from the DB again. The Fusion connector is written generically. It reads the owl file, and then generically reads and writes what is defined in the owl file. So no sort of logic exists to realize that this is just a reformat of the same data, so just re-use it. Instead it will always go back to the DB to read it all over again.

## WRM backend dev setup

### From Tom Snyder

I have attached instructions for running one of our integration tests. Don't worry about following most of this yet. But the key thing is we typically use an oracle DB installed locally on our laptops instead of one remotely located on a server. It works much quicker, and involves a lot less lag than trying to connect to external DBs. So doing this sort of setup might be a good place to start. Steps 1-4 are good setup steps that need to be done. You can ignore the rest and the two attached files for now.

If your team can start with setting up this DB locally and step 4 (setting up the eclipse proxy if needed) and load a few of the projects into eclipse, I think that would at least be a good start so your development environment will be setup. Of course your proxy may be slightly different as I don't think you use "[us.oracle.com](http://us.oracle.com)".

For development purposes, we use eclipse. Since you are working on projects already, I'm assuming you are familiar with git/mvn.

### Proxy settings for JVM

-Dhttp.proxySet=true -Dhttp.proxyHost=[www-proxy-ukc1.uk.oracle.com](http://www-proxy-ukc1.uk.oracle.com) -Dhttp.proxyPort=80

### Disk space requirements

In order to complete execution of oracle.apps.hcm.hwr.appservices.job.local.ControlAnalysisJobTest.testControlAnalysis() and oracle.apps.hcm.hwr.appservices.job.local.ControlAnalysisJobTest.testControlAnalysisWithMock() test cases you need around 26GB of disk space on your partition. My D:/mnt/hwrrepo directory takes 25.7GB of space after the execution finishes.

### Java Heap Space requirements

The Control Analysis test also need sufficient amount of memory allocated ( 2048 Mb is enough ). In order to do it You need to modify eclipse.ini file to change default VM memory. You need to add 2 lines to ini file:

-Xms256m  
-Xmx2048m

You can also change JVM arguments in eclipse by adding additional properties -Xms256m -Xmx2048m ( beside proxy setting ). Also make sure that You are using 64-bit JVM.

## Fusion Connector setup

The instruction below is based on following document: [Steps to setup the development environment for jdev in ADE.DOC](#).

It is basically a copy-paste with some additions.

### Steps to setup the development environment for JDeveloper in ADE (on VM):

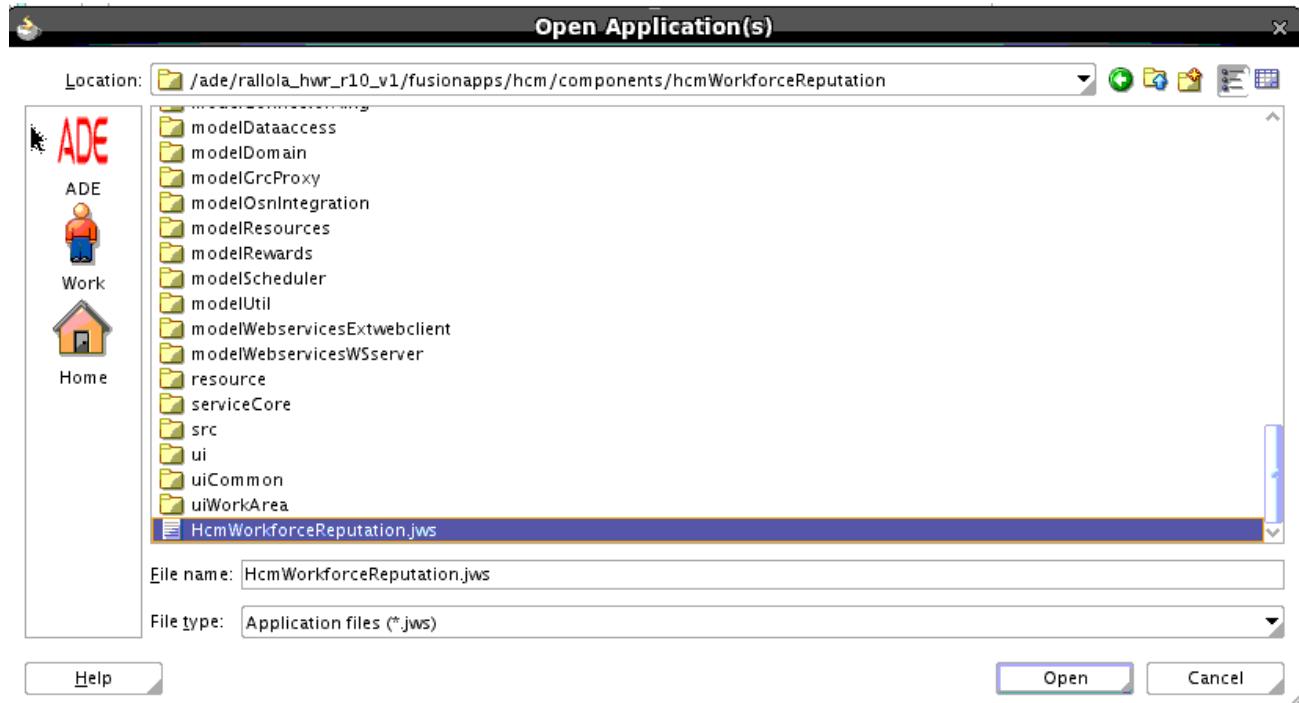
1. Create view using the below command:  

```
ade createview hwrtest_view -series FUSIONAPPS_PT.R10HCMHWR_LINUX.X64 -latest
or
ade createview hwrtest_view -label FUSIONAPPS_PT.R10HCMHWR_LINUX.X64_140815.1327.s
```
2. Get into the view using useview command  

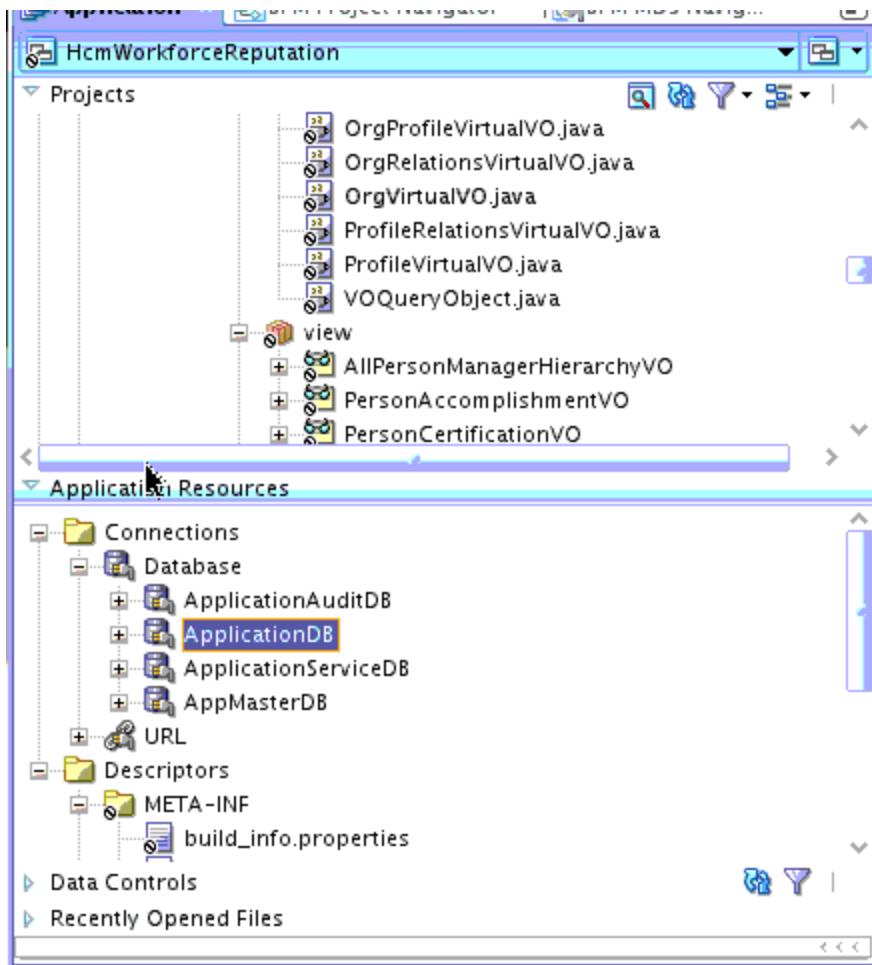
```
ade useview hwrtest_view
```
3. Begin the transaction by using the bug number (If you don't have any, please create a test bug to work on the ADE environment).  
You can't skip this step as opening a transaction is necessary to make any modification to project's files.  

```
ade begintrans -bug <BUG NUMBER>
```

- See [Creating dummy bug number](#) for more details.
4. Open the JDeveloper using command `jdev`.
  5. Open the application "HcmWorkforceReputation" by navigating from the ADE (you might click click on red ADE icon).
- Project location:  
`/ade/<VIEW NAME>/fusionapps/hcm/components/hcmWorkforceReputation/HcmWorkforceReputation.jws`

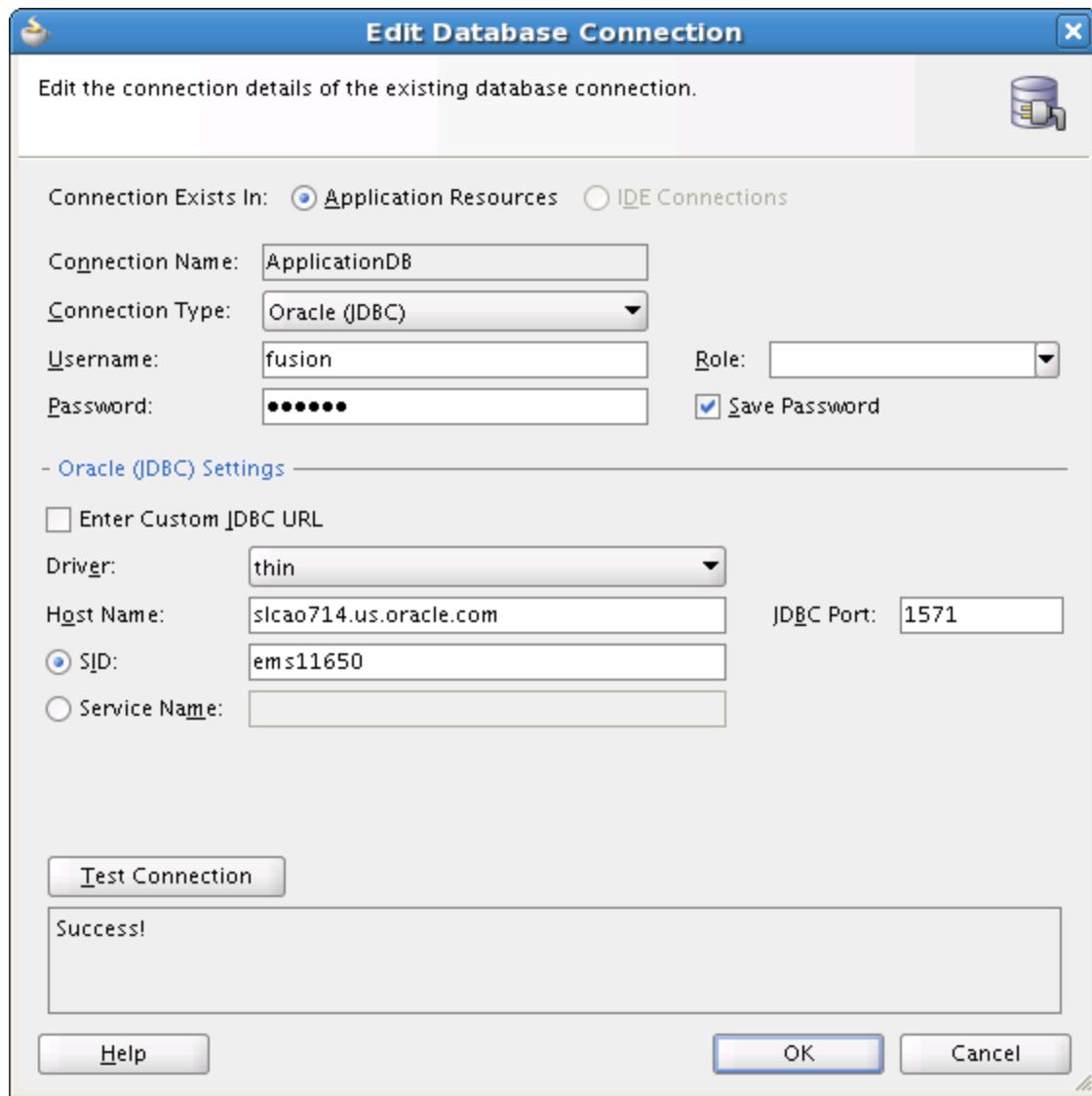


6. Modify the connection properties with valid DB details (ApplicationDB)

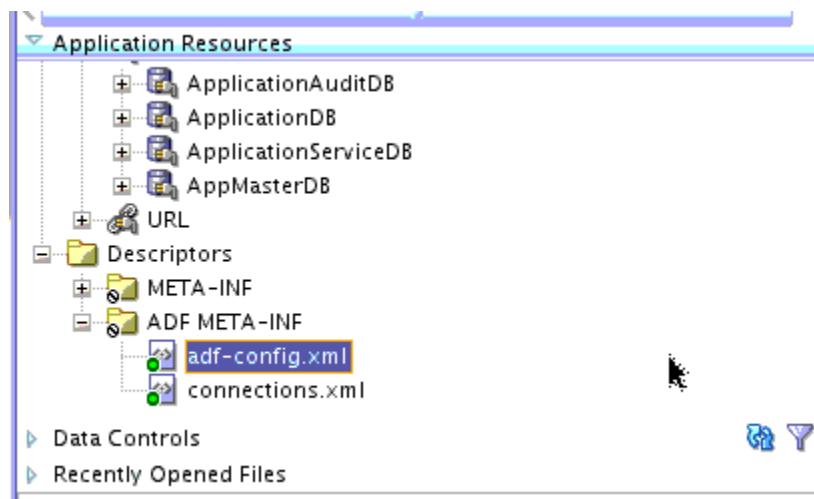


One of the DB's settings you can use is:

**Username:** fusion  
**Password:** fusion  
**Host:** slcao714.us.oracle.com  
**Port:** 1571  
**SID:** ems11650



7. There are some changes required in `adf-config.xml` (it is in: Application Resources -> Descriptors -> ADF META-INF):  
 Update the value property (marked in green color below) of "metadata-path" under "WebCenterFileMetadataStore" metadata store.  
 Please use the valid techstack label and the user name in the value path, for techstack label check the folder `/scratch/software/mw_local/`.



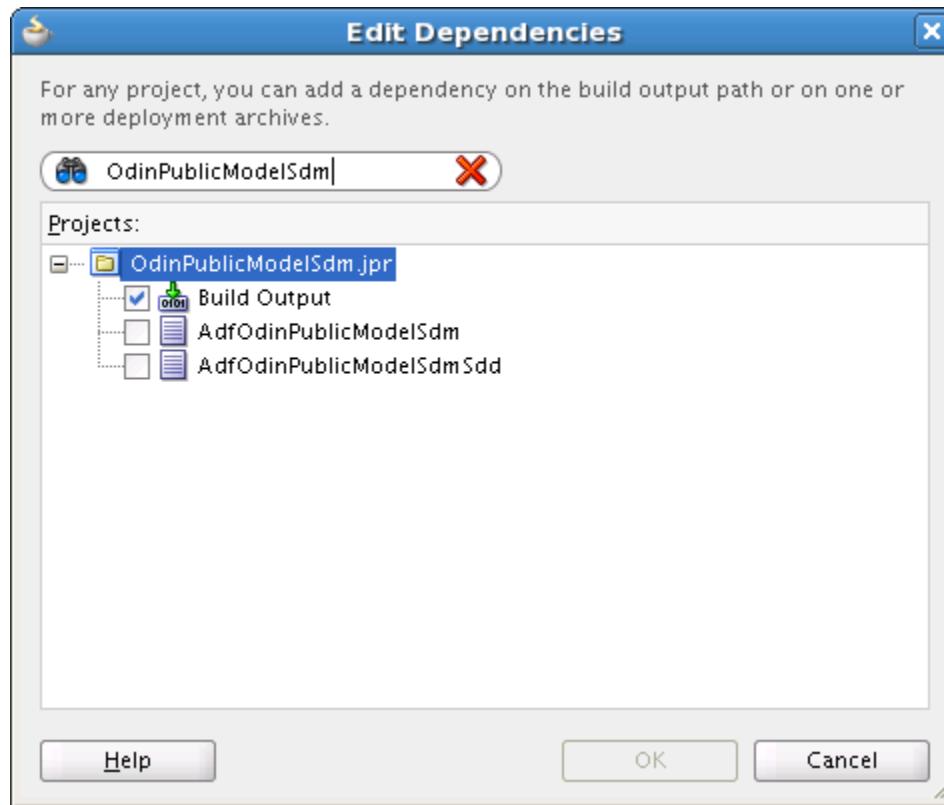
```

<metadata-store-usages>
  <metadata-store-usage id="WebCenterFileMetadataStore"
    deploy-target="true" default-cust-store="true">
    <metadata-store class-name="oracle.mds.dt.persistence.stores.file.SrcControlFileMetadataStore">
      <property name="metadata-path" value="/scratch/software/mw_local/FMWTOOLS_11.1.1.7.3_GENERIC_14
0403.1140_PATCHES4FA_11.1.10.0.0_PLATFORMS_JDK64/pbaczyns/mw_home/jdeveloper/mds" />
    </metadata-store>
  </metadata-store-usage>

```

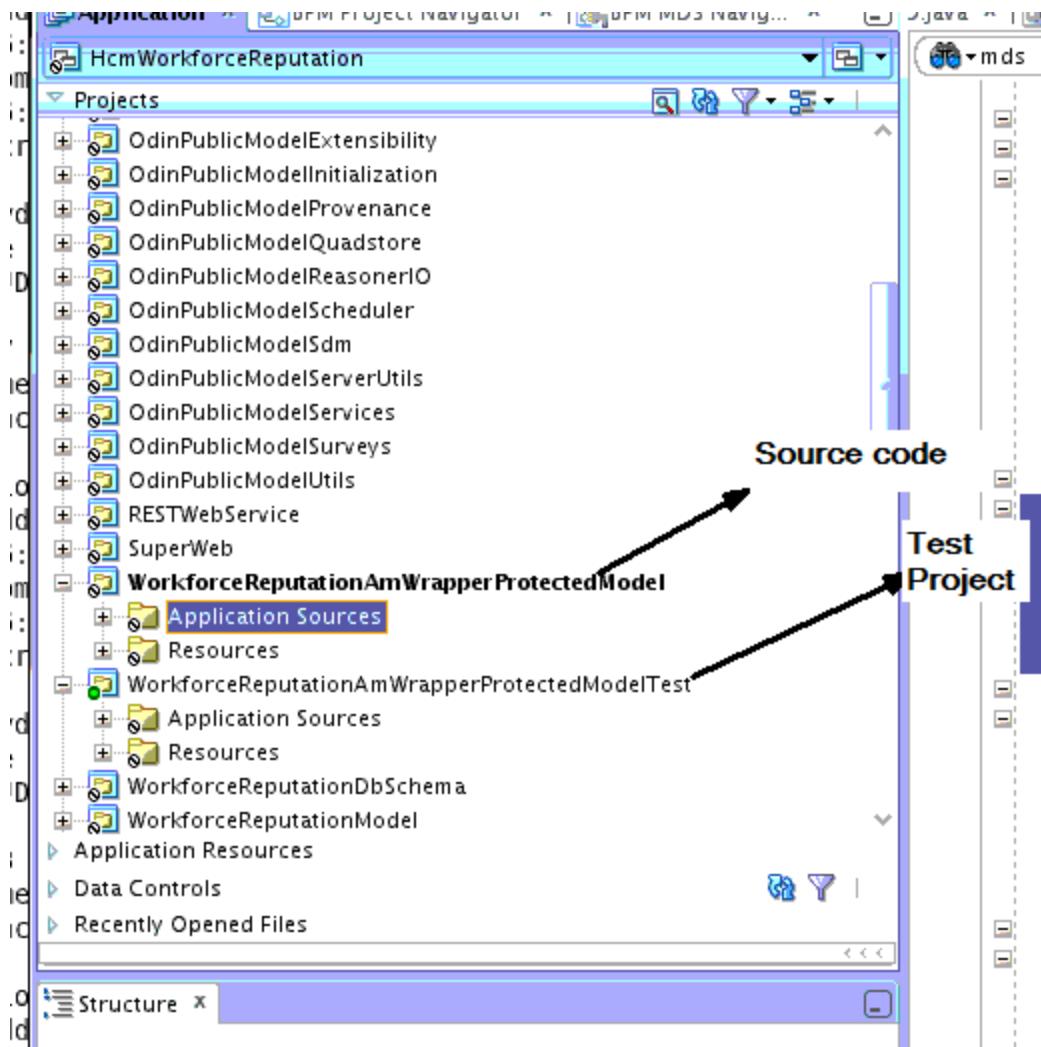
8. Add the dependency of "OdinPublicModelSdm.jpr" to the test project.

- Find a project *WorkforceReputationAmWrapperProtectedModelTest*
- right-click on it
- go to *Project properties*
- then to *Dependencies*
- then to *Edit dependencies* (a pencil icon)
- search for *OdinPublicModelSdm.jpr*
- select *Build Output*



9. Run tests in *WorkforceReputationAmWrapperProtectedModelTest* project. They should all pass.

**Screenshot of source code and test projects location:**



#### Other useful links:

[http://slc03qfl.us.oracle.com:18080/view/HWR%20Preflight/job/HWR\\_R10stable\\_Preflight](http://slc03qfl.us.oracle.com:18080/view/HWR%20Preflight/job/HWR_R10stable_Preflight)  
<http://ade.oraclecorp.com/twiki/bin/view/ADEFAQ/ADECommandReference>

#### To check the ADE labels and series:

[http://cruisecontrol.oraclecorp.com/fusionapps/buildresults/FUSIONAPPS\\_PT.R10HCMHWR\\_LINUX.X64](http://cruisecontrol.oraclecorp.com/fusionapps/buildresults/FUSIONAPPS_PT.R10HCMHWR_LINUX.X64)

| File                               | Modified                          |
|------------------------------------|-----------------------------------|
| hwr_seed_source.sql                | Oct 03, 2014 by Bartek Styrylski  |
| hwr_seed_profile_sync_info.sql     | Oct 03, 2014 by Bartek Styrylski  |
| HWR Integration Test.doc           | Oct 08, 2014 by Tomasz Pedziwiatr |
| running_connectors_integration.doc | Oct 08, 2014 by Tomasz            |

Pedziwiatr

- »  log4j.xml Oct 08, 2014 by Bartek Styrylski
- »  Steps to setup the development environment for jdev in ADE.DOC Nov 10, 2014 by Bartek Styrylski
- »  img1.png Nov 12, 2014 by Paweł Baczyński
- »  img2.png Nov 12, 2014 by Paweł Baczyński
- »  img3.png Nov 12, 2014 by Paweł Baczyński
- »  img4.png Nov 12, 2014 by Paweł Baczyński
- »  img5.png Nov 12, 2014 by Paweł Baczyński
- »  img6.png Nov 13, 2014 by Paweł Baczyński

 Download All

1) [into the view using useview command](#)

## Access token for Social Media users

Here are access token that are obtained from social media.

**Twitter:**

user: malyrycerz007

Twitter User Id: 2839729347

Auth Token: 2839729347-2T6t91HB6ejFj2Mod8JJyZ1YJqQiew9FPhMGs1x

Auth Secret: EhWRdNo6mnFg1gcgY2v6Y9Gg2SoLowtfNPna0kGCT2Q7

Also attach file with all data from DB Row.

[malyrycerz.xml](#)

SQL to be added for sourcing this user:

```
INSERT INTO HWR_PER_PRFL_SYNC (PRFL_ID, SOURCE_ID, AUTH_TOKEN, AUTH_SECRET,
AUTH_EXPIRATION_DATE, STATE_DATA, META_DATA, STATE)
VALUES
(
  '2839729347',
  3,
  '2839729347-2T6t91HB6ejFj2Mod8JJyZ1YJqQiew9FPhMGs1x',
  '2839729347-2T6t91HB6ejFj2Mod8JJyZ1YJqQiew9FPhMGs1x',
  NULL,
  '<?xml version="1.0" encoding="UTF-8" standalone="yes"?> <profileSyncInfoSaveStateContainer/>'
```

```
",  
1  
);
```

## Access tokens lifetime

- Twitter - token doesn't expire (<https://dev.twitter.com/oauth/overview/faq>)
- Facebook - short-lived token is valid for "about an hour or two", long-lived token (WRSA lite fetches this one) for "about 60 days" (<https://developers.facebook.com/docs/facebook-login/access-tokens#termtokens>)
- LinkedIn - token is valid for 60 days (<http://developer.linkedin.com/documents/handling-errors-invalid-tokens>)

## Deployed WRSA Application

I deployed WRSA at the following URL with your app keys set up. Note gamification is turned on in this deployment, which is why you will see extra things on the left hand side of the page.

<http://slc02ivx.us.oracle.com:7325/hwr-wlapp/faces/MainPage>

Logins for WRSA are the following – all pws are Welcome1  
[Emory.Perez@GBI.com](mailto:Emory.Perez@GBI.com) (What I used to register LI)

[Adelaide.Lynch@GBI.com](mailto:Adelaide.Lynch@GBI.com)

[Henry.Copeland@GBI.com](mailto:Henry.Copeland@GBI.com)

[Jason.Olsen@GBI.com](mailto:Jason.Olsen@GBI.com)

[Linda.Williams@GBI.com](mailto:Linda.Williams@GBI.com)

[Michel.Martinez@GBI.com](mailto:Michel.Martinez@GBI.com)

If you need more users than this, let me know. Basically these have to match a Fusion profile username or email address, and then be added to the weblogic security realm.

Auth keys will go into this DB in the HWR\_PER\_PRFL\_SYNC table. You can sort by the "CREATION\_DATE" field to see which are yours as there are some old ones here already.

[sicao714.us.oracle.com](mailto:sicao714.us.oracle.com)  
1609

ems11687 (The DB SID)

login: fusion

pass: fusion

I only saw the app you made under Linkedin. Since the redirect URL must be updated for this to work, that's the only one I could register. Here is the change I made to this app. A similar change will need to be made to the others:

Updated the redirect URLs to point to the WRSA server, and changed development status from Live -> Development.

Also, make sure to log into the accounts you want to register first in case there is an email verification notice or something similar you need to accept to make them active.

Here's the user for Linkedin:

| prflID:    | AuthToken:                           | AuthSecret:                          |
|------------|--------------------------------------|--------------------------------------|
| fTCIhlEI-s | 7ce15c26-b70d-45ec-b32e-c21d1fc47835 | d321a76f-8216-471d-97f4-9c5508d8a956 |

Source in this table is:  
FB = 1

Linkedin = 2

Twitter = 3

Note that FB doesn't use AuthSecret, so this will always be null.

One other thing to note about Facebook, it leaves you logged in after registering. So, go to <http://www.facebook.com> and log out after registration finishes for each user. Otherwise you will not see a popup, it will just register the logged in user. The others still give a popup and you can switch users.

In general the process is as follows:

- 1) Log into WRSA with one of the above logins
- 2) Register the 3 accounts by clicking on the appropriate link at the top right of the page one at a time.
- 3) Go to <http://www.facebook.com> and log out.
- 4) Log out of WRSA
- 5) Log into WRSA as the next user
- 6) Repeat.

Currently it doesn't let you register 2 users with the same WRSA login.

## Test accounts

### Gmail

1. malyrycerz007@gmail.com / malykowalski

### Twitter

1. uijpd@tafmail.com / adfmylove (suspended, not usable)
2. malyrycerz007@gmail.com / haslo12
3. f412642@trbvm.com / haslo12

### Facebook

1. upmct@pwrby.com / haslo12
2. uccmx@grandmasmail.com / haslo12 (account unverified)
3. malyrycerz007@gmail.com / haslo12 (account unverified)

### LinkedIn

1. upmct@pwrby.com / haslo12 (account unverified)
2. malyrycerz007@gmail.com / haslo12

## Test WRSA apps

### LinkedIn

(account: malyrycerz007@gmail.com / haslo12)

[https://www.linkedin.com/secure/developer?showinfo=&app\\_id=3535713&acc\\_id=1974733&compnay\\_name=WRSA+company&app\\_name=WRSA+test](https://www.linkedin.com/secure/developer?showinfo=&app_id=3535713&acc_id=1974733&compnay_name=WRSA+company&app_name=WRSA+test)

### OAuth Keys

- API Key: 774sr1rk0r6y3m
- Secret Key: ws2sOvjTdnaLjUg1
- OAuth User Token: 6da47c24-6dfd-4228-9912-cd133a2e5c51
- OAuth User Secret: 78bc7be6-5993-4bfc-a4f5-32d0d14cb9cb

### Twitter

## SUSPENDED

Consumer Key (API Key): **GmeKhhV2hKuWMkme77gC2JHpn**

Consumer Secret (API Secret): **bLZxLIJPkLfCfvOeNpOaVU2jM7SohnDhDyG3axAmK6GKewhZQO**

Ownder ID: 2834104431

Linked with account:

Name: Wadim Zlublina

email: [uijpd@tafmail.com](mailto:uijpd@tafmail.com)

UserName: WadimZLublina

## WORKING

<https://apps.twitter.com/app/7963302>

Consumer Key (API Key): **R1sh9AhxFfNKbCuz3LexQsngO**

Consumer Secret (API Secret): **eQQ4rxhvtwzgamx5wDqwAqzYSpP2IoM27xAt17BliA42Np89rW**

Ownder ID: 2839729347

Linked with account:

Name: Jan Kowalski

email: [malyrycerz007@gmail.com](mailto:malyrycerz007@gmail.com)

UserName: malyrycerz007

## Facebook

App Id: **339612816209744**

App Secret: **8dcd80283d51831f451ca983d5be65ae**

Name: Test app

Namespace: hwrtestspace

Linked with user:

Name: Glogu Lgogu

email: [upmct@pwrby.com](mailto:upmct@pwrby.com)

Username: Glogu

## Control analysis and persistence

## Persistence of HWR Control Results

### HWR Control Types

- Metric Controls
- Reputation Controls (CONTROL\_SUB\_TYPE = NULL) activity, engagement, impact, generosity etc
- Compliance Controls (CONTROL\_SUB\_TYPE = NULL) no\_profanity, non\_disparagement etc
- Social Media Role Controls (CONTROL\_SUB\_TYPE = SOCIAL\_MEDIA\_ROLE\_CONTROL) communicator, team\_player, leader etc
- Gamification Metadata Controls (CONTROL\_SUB\_TYPE = GAMIFICATION\_META\_DATA) behaviour, behaviour-metadata, reward, track-mission, mission-reward, mission-level, level
- Gamification Analysis Controls (CONTROL\_SUB\_TYPE = NULL) post\_positively\_about\_a\_company, share\_or\_like\_corporate\_content\_on\_fb, promote\_a\_job\_opportunity

### HWR Main Jobs and Sub Jobs

1. ControlAnalysisJob: (This job is scheduled at the time of application initialization)  
Metric Controls and Social Media Role Controls are processed in this job.  
Steps in Control Analysis Job:  
    - Run all metric controls
    - For every successfully executed metric control, persist controls results into database (HWRControlResultPersistenceJob does it).
    - Run All Social Media Role Controls
    - For every successfully executed social media role control, persist results into database (ControlResultPersistenceJob does it)
- Sub Jobs:
- HWRControlResultPersistenceJob
  - ControlResultPersistenceJob

2. GamificationMetadataJob: (This job is executed when customer imports GamificationMetadataTemplate.xml)  
Gamification objects like behaviour, level, mission, reward, track are created/updated on Badgeville.
- Steps:

- Load All Gamification Metadata controls
  - Run each of these controls
  - Read control results for each control, build Badgeville supported objects and create/update them
- Sub Jobs:
- No Sub Jobs

3. GamificationAnalysisJob:(This job is scheduled after importing GamificationMetadataTemplate.xml)  
For every Behaviour, we are having analysis Control which will analyze social media post and check if that post satisfies this behaviour criteria.  
This GamificationAnalysis Job will run all these controls and update scores on Badgeville.

Steps in GamificationAnalysisJob:

- Load All Behaviours
- For every behaviour, get corresponding control
- Run Above control
- Prepare badgeville supported activities using above control's results

## Others

HWR Services:

- HWRCComplianceService
- HWRReputationService

HWRReputationService:

Service to provide Reputation Scores to UI

HWRCComplianceService:

Service to provide compliance scores to UI and to provide compliance issues to UI

## Job scheduling

Attached, you'll find documents prepared by Carrie Bordadora, describing how to setup, develop and run jobs and integration tests for them.

| File                        | Modified                          |
|-----------------------------|-----------------------------------|
| »  HWR Integration Test.doc | Nov 26, 2014 by Tomasz Pedziwiatr |
| »  HWR Job Presentation.odp | Nov 26, 2014 by Tomasz Pedziwiatr |
| »  hwr_job.sql              | Nov 26, 2014 by Tomasz Pedziwiatr |

[Download All](#)

## Authentication knowledge base

Nearly all of the social networks are using OAuth for authentication. There's an excellent OAuth guide: <http://hueniverse.com/oauth/>.

## Facebook

<https://developers.facebook.com/docs/facebook-login/access-tokens>

## Twitter

<https://dev.twitter.com/oauth/overview>

## LinkedIn

<http://developer.linkedin.com/documents/authentication>

Currently we are facing an issue that token credentials are expiring and cannot be renewed without resource owner explicitly granting access to his/her data (by issuing a new access token to WRSA). More research in this direction ought to be conducted.

## Social Media User Registration

[R12\\_user\\_registration.doc](#)

[Edit Document](#)

## **R12 and later WRM employee user registration changes**

- 1) There is a new root menu, which has a new “Admin” page. You should copy this to a location on your machine in case my copy gets corrupted so you can still work.
  1. Can copy the new root menu from:  
`/net/slco2jzp.us.oracle.com/scratch/R12RootMenu`  
For use in the following step:  
`importMetadata(application='HcmWorkforceReputation',server='AdminServer',fromLocation='<RootMenuLocation>',docs='/oracle/apps/menu/**')`
  2. New “Admin Page” icon is in the root menu under “My Workforce”. New icon name is “Reputation Administration”. Use this now after login with  
`APPLICATION_IMPLEMENTATION_CONSULTANT`

3. Changes to the admin page:

- a. The layout of the page has changed since it is now up to Fuse standards. It has the same content but the tabs along the top are now on the left side.
- b. Enter a keystore password field under the social media keys is removed.
- c. There is no more download or deployment of the WRSA ear file after changing the social media keys and clicking submit. The steps are the same, except we will get an “Update Successful” popup after clicking submit and not go to the download page.
- d. The ability to enter a custom URL for display in the WRSA has been removed.
- e. Gamification has been removed.
- f. There is various other removal of tabs/fields in the admin page that are now obsolete since we no longer have a separate WRSA deployment or gamification.
- g. The process flow to schedule/run connectors remains the same.

2) Setting up the social media accounts with redirect URLs

- 1. The “redirect” URLs we enter in the social media sites (I.E. the app setup page at <https://<host>:<port>/hcmWorkforceReputation/faces/AuthorizeFacebook>) has changed as follows. The host/port should also be the same as the WRM deployment now.
  - a. Facebook:  
<https://<host>:<port>/hcmWorkforceReputation/faces/AuthorizeFacebook/>
  - b. Twitter  
<http://<host>:<port>/hcmWorkforceReputation/faces/AuthorizeTwitter>

- c. Xing  
<http://<host>:<port>/hcmWorkforceReputation/faces/AuthorizeXing>
- d. JIVE  
 No changes
- e. LinkedIn:  
<http://<host>:<port>/hcmWorkforceReputation/faces/AuthorizeLinkedIn>

Another change for LinkedIn, is that we are moving to “Oauth 2.0 “Authorized Redirect URLs” for R12 and later. Prior releases we used OAuth 1.0a section. You can specify multiple redirect URLs in LinkedIn, so it can be shared across servers. The below image explains the changes.

Mak  
 e sure to click “Update” after adding the URL.

- 3) The users to use for login have changed. ABRADLEY’s direct reports do not have proper Fusion logins setup. So we are switching to a different organization. The logins are as follows. You probably want to create new social media test users that correspond to these accounts for registration purposes.  
 All passwords for login are still Welcome1

| Format: FusionLoginName | (Name of the user)                                 |
|-------------------------|--|
| 1. TM-BECKENBAUER       | (Klaus Beckenbauer – Manager, ABRADLEY equivalent) |
| 2. TM-BECKHAM           | (Louise Beckham)                                   |
| 3. TM-KLAW              | (Kathi Law)  |
| 4. TM-ABERGKAMP         | (Andrew Bergkamp)                                  |
| 5. TM-KCHARLTON         | (Kenneth Charlton)                                 |
| 6. TM-NCRUIJFF          | (Nancy Cruijff)                                    |
| 7. TM-LDESCHAMPS        | (Laura Deschamps)                                  |

## 4) There is a new tab in WRM for user registration.

1. The registration steps are the same as you would do in WRSA in previous releases. You will still click on the appropriate social media icon and register the corresponding user.
2. You will still have to run connectors after registration for the users to show up in the system.
3. The Endorsements tab should still function in the same way it does in previous releases.
4. Note: the look and feel of this page is still changing. This is not the final layout, but the content should stay the same.
5. Registration will always be the last tab. There will be more tabs that appear for managers than for non-manager employees. But in both cases it will be the last one.

## 5) Logging in as the next user

1. When logging out of Fusion, sometimes the URL is not correct. I.E. it will truncate from slc02ivx.us.oracle.com:7011 to slc02ivx:7011. This causes problems, since the redirect URLs we enter into the social media pages are built with the .us.oracle.com in the URL. So they will reject these URLs. To make sure it works properly, after logout, re-enter the full initial URL before logging in as the next user. I.E.  
<http://<host>:<port> /hcmWorkforceReputation/faces/FuseWelcome>

If you notice registration issues where it worked for the first user but did not for the second, this is the likely cause.

Also make sure after registering social media users, you go to the associated site (I.E. www.facebook.com) and logout as the current logged in user so you can enter in a new one the next time you click on the registration button. This is not new but wanted to mention it here as a reminder.

**Social Media Test Accounts****LinkedIn**

Used app under:

[tom.g.snyder@oracle.com](mailto:tom.g.snyder@oracle.com)

```
pw: test123
App: WRSA_TOM
App Key: 7xvd1imk9mz9
App Secret: QqGxXAAeStOZZPRs
```

**Note:** AppKey and AppSecret need to be verified (might be outdated)

#### Twitter

```
Twitter - used app under:
tom.g.snyder@oracle.com
pw: oracleTest1
App: WlaApp

App Key: xRymmNljk6SIBWYQkAw1wA
App Secret: odMksYhmcKNLYmspxTMXe6viTPV14G62YmbICc3WRM
```

**Note:** AppKey and AppSecret need to be verified (might be outdated)

### Tokens expiration today - explained

#### Question

Tom, what will happen functionally-speaking if the token expires. Does this get logged or marked in the database?

Does the user get notified and is supposed to recreate it (via WRSA)? There is also refresh token in OAuth v2, do you know if it is in use in social media connectors?

#### Answer from Tom

This is a great question. We definitely need an enhancement to this logic at some point. We have a place holder in the HWR\_PER\_PRFL\_SYNC table for expiration date, but we don't do anything with it currently. We have talked about it, but it just hasn't been a high enough priority at this point to implement over other enhancements.

I believe that we should be able to get the expiration date of the auth token when it is generated. So ideally we would note this, and then have some sort of notification mechanism, whether it be when the user logs into the WRSA or an email or something else.

Currently the logic is extremely basic and we only flag it once it has already expired. We note the exception that is thrown when the token expires. You can see this for instance in Facebook's GraphApiHelper in ext-webclient. We have the following code, which will look for in the webservice query result. If it finds this string, then we will flag the reason the request failed as an expired/invalid access token.

```
private static final Set<String> mInvalidAccessTokenMessages = new HashSet<String>();
static {
    mInvalidAccessTokenMessages.add("not authorized application");
}
```

We then create a version of the class AccessTokenRestQueryResultValidation with this information. In there you will see if we get the intended message, we will do the following:

```
throw new ExpiredAccessTokenException
```

Then if you look at the top level of our connector where this exception will be handled, that is in hwr-connector-common under the DownloadConnectorData class, in method downloadProfiles. We have:

```
} catch (ExpiredAccessTokenException e) {
    handleExpiredAccessToken(e, myPersonaSyncInfo);
```

That method sets this user back to "UNREGISTERED". All that this basically means is that the profile is no longer treated as registered, so we will not try to download this user again in future connector runs.

This is just basic handling that was put in, it needs to be revisited at some point to attempt to do something smarter that actually tries to be

proactive in catching the fact that it will expire as well as being reactive like we are now.

We aren't making use of the refresh token. I think I looked at that before, and the user has to be logged in to the social media site for us to use it. I don't know that we would have that info. Is that correct or is this something that can be done offline?

## WRSA explained

### From Tom Snyder

The purpose of the WRSA is simply a way for users to "opt in" or register in the system. Basically when the connector runs, it needs to have a way to authenticate the users, to show the social media API that the user consents to letting us pull this information from them through the provided APIs. So for Facebook (FB) for example, the user will log into WRSA, and then click on the FB link. We will re-direct to FB where the user will enter in their FB username and password credentials. FB then returns control back to our app (the app that we create inside of FB must be set up properly to specify this return link). This response will include the profile ID of the user, as well as a specific set of tokens needed to authorize the user. For FB in particular it is only a single authorization token. For others such as LinkedIn, there are 2 tokens (authorization & secret). It can technically be anything, but at this point the most we get from any site we support is a profile ID and 2 authorization tokens. The most commonly used authorization process for the social media APIs we are connecting to is OAuth.

The whole purpose of WRSA is just to get these user tokens.

Once we have these tokens, they are added to the HWR\_PER\_PRFL\_SYNC table in the WRM database. WRSA does not have its own database, it simply communicates with WRM through SOAP based webservice calls.

When the connector runs (it is a job scheduled to run every so often at this point), it will read the values from that table for the source ID of that connector. For FB for example the sourceID is "1". So FB connector job will load all entries from this table with a sourceID of "1". It will then loop through all users that registered through WRSA for FB and process them since there will be an entry in this table for those users. Note that the authorization tokens retrieved through the user registration process in WRSA are generated for our particular app. In general using these tokens with a different APP will not work, the social media API will reject our request for the data as verification will fail. The tokens expire roughly every 60-90 days.

## WRSA lite

In order to make obtaining access tokens easier, a small web app has been written. This tool has to be a web app, because OAuth authentication/authorization is done on 3rd party site which calls back a specified (our app's) URL. It supports Twitter, Facebook and LinkedIn as for now. Supports long-lived Facebook access token.

### Deployed instance

<http://krk188080.pl.oracle.com:5000>

### Installation

#### Software requirements

- Python >=2.7 (but <3.0) (<https://www.python.org/>)
- Flask (<http://flask.pocoo.org/>)
- Flask-OAuth (<https://pythonhosted.org/Flask-OAuth/>)
- Optionally cx\_Oracle (<http://cx-oracle.sourceforge.net/>) to execute statements directly on database.

Installation of Flask on Windows: <http://flask.pocoo.org/docs/0.10/installation/#pip-and-distribute-on-windows>

Installation of Flask-OAuth: <https://github.com/lepture/flask-oauthlib#installation>

#### Optional infrastructure requirements

A machine with public IP address or with some port redirected so that it can serve requests from outside world using that port. Works with localhost though.

### Configuration

Database configuration as well as consumer keys and consumer secrets of apps on social networks should be defined in wrsa\_lite\_config.py file.

Apps on social networks should have callback URL pointing to the machine on which wrsa\_lite is running ([http://<host>:<port>/\[twitter,facebook,linkedin\]/request\\_token\\_callback?dummy=1](http://<host>:<port>/[twitter,facebook,linkedin]/request_token_callback?dummy=1)). Only Twitter works without configuring this. Dummy parameter is needed by facebook (URL needs to end with '/' or it has to contain '?').

## Usage

```
usage: wrsa_lite.py [-h] [host] [port]
```

Obtains access tokens from social networks using OAuth and saves them to WRM database.

positional arguments:

|      |   |
|------|---|
| host | Publicly available host name or ip address which points to this machine. Defaults to 127.0.0.1. |
| port | Publicly available port. Defaults to 5000.  |

optional arguments:

|            |                                 |
|------------|---------------------------------|
| -h, --help | show this help message and exit |
|------------|---------------------------------|

Open a browser and go to URL: http://<host>:<port>

Enter credentials for social network account. Assuming app on social network platform has been configured correctly, you can authorize app to read your data. After doing that, wrsa\_lite prints SQL upsert statement, which can be copied and pasted to SQL Developer and executed. Optionally it directly upserts a row into database table hwr\_per\_prfl\_sync (the functionality is there, although commented out).

wrsa\_lite updates following columns:

- prfl\_id
- source\_id
- auth\_token
- auth\_secret
- auth\_expiration\_date
- state\_data
- meta\_data
- state
- created\_by
- creation\_date
- last\_updated\_by
- last\_update\_date

## Download

[wrsa\\_lite.7z](#)

## WRM webservices

### Projects

The root project is hwr-webservices. The other projects under hwr-webservices are:

- hwr-wsserver is the business logic for the server calls. The metric code Sreedhar Chitullapally's team owns, the others Yasin's team owns.
- hwr-wsclient is the client side of the non-metric server calls. Yasin's Team also owns that code. Basically we take the wsdl that is generated based on what Sree described today, and use that to generate a client through JDeveloper. We then have a small wrapper around this auto generated code.
- The two hwr-email projects I think are dead code. This was an attempt to build an e-mail service, which we never got fully working so abandoned. We checked in what we had just in case it was useful in the future so we didn't lose it. But since it doesn't work as is, you can ignore those projects.
- hwr-wadfbc
- hwr-wsadbcear

## Representative Web Services

[Representative Web Services](#)

## UI local dev setup (R12)

1. Install R12 tech stack using RE hcm-devtool
2. Configure WLS according to Step 1 here: [HWR deployment](#)
3. Get working EAR from R12 HWR smoke machine and install it on your VM: e.g.: [/net/slc00rql/scratch/srvempat/HWR\\_EARS/EarHcm](#)

### WorkforceReputation.ear

4. Switch the DB in WLS to **slcak351.us.oracle.com:1561:ems7439** and bounce WLS
5. Make sure you can login to HWR
6. Clone UI repo:

```
git clone  
ssh://$USER@re-git.us.oracle.com:29418/HWR/hcmWorkforceReputation &&  
scp -p -P 29418 $USER@re-git.us.oracle.com:hooks/commit-msg  
hcmWorkforceReputation/.git/hooks/
```

7. Unpack **hwr-local.tar.gz** to hcmWorkforceReputation from [http://slc07ehh.us.oracle.com:8111/viewType.html?buildTypeId=Hwr\\_R12stableBuildAdfLibraries](http://slc07ehh.us.oracle.com:8111/viewType.html?buildTypeId=Hwr_R12stableBuildAdfLibraries) (dev/dev1234) - go to build -> Artifacts -> **hwr-local.tar.gz**. Or shell magic:

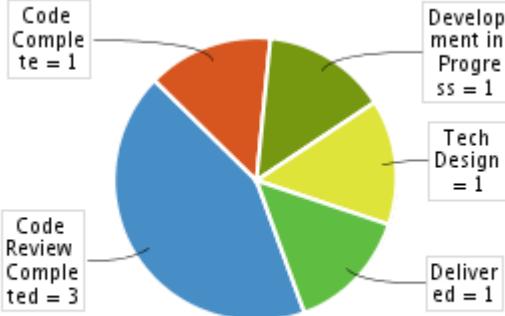
```
$ wget --http-user=dev --http-password=dev1234  
http://slc07ehh.us.oracle.com:8111/repository/download/Hwr\_R12stableBuildAdfLibraries/.lastSuccessful/hwr-local.tar.gz
```

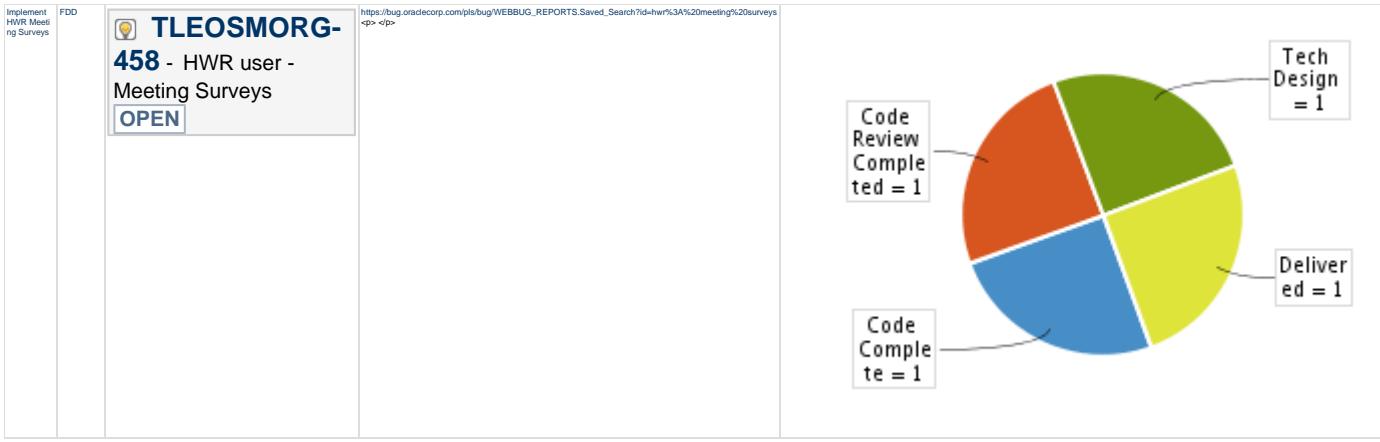
8. Open **HcmWorkforceReputation-local.jws** in jdev - the code should compile

9. Contribute

- a. Change the code
- b. Produce UI jars (deploy in jdev)
  - i. HcmWorkforceReputationProtectedUiModelFuse-local -> AdfHcmWorkforceReputationProtectedUiModelFuse.jar
  - ii. HcmWorkforceReputationPublicUiFuse-local -> AdfHcmWorkforceReputationPublicUiFuse.jar
- c. Replace jars within the installed EAR and redeploy the app (manually or use merge-adflib.sh):
  - i. EarHcmWorkforceReputation.ear/APP-INF/lib/AdfHcmWorkforceReputationProtectedUiModelFuse.jar
  - ii. EarHcmWorkforceReputation.ear/HcmWorkforceReputation.war/WEB-INF/lib/AdfHcmWorkforceReputationProtectedUiModelFuse.jar
- d. Test, commit, and push...

## HWR Requirements

| Name                         | FDD                         | Jira  | BugDB  | Status  |                   |                             |                           |                 |  |               |
|------------------------------|-----------------------------|---|--|---|-------------------|-----------------------------|---------------------------|-----------------|--|---------------|
| Implement HWR Survey Results | FDD                         | <b>TLEOSMORG-446</b> - HWR User - Survey Results <a href="#">OPEN</a> | <a href="https://bug.oraclecorp.com/pls/bug/WEBBUG_REPORTS.Saved_Search?id=388196080816052220">&lt;p&gt;&lt;/p&gt;</a> |  <table border="1"><tr><td>Code Complete = 1</td><td>Development in Progress = 1</td></tr><tr><td>Code Review Completed = 3</td><td>Tech Design = 1</td></tr><tr><td></td><td>Delivered = 1</td></tr></table> | Code Complete = 1 | Development in Progress = 1 | Code Review Completed = 3 | Tech Design = 1 |  | Delivered = 1 |
| Code Complete = 1            | Development in Progress = 1 |   |  |   |                   |                             |                           |                 |  |               |
| Code Review Completed = 3    | Tech Design = 1             |   |  |   |                   |                             |                           |                 |  |               |
|                              | Delivered = 1               |   |  |   |                   |                             |                           |                 |  |               |



## Implement HWR Meeting Surveys

### Functional Design Document

<http://review.us.oracle.com/review2/Review.html#reviewId=301746;scope=document;status=open,fixed,closed;documentId=1511752>

### Use cases

TBD

### Technical design

#### Current implementation

The purpose of this section is to picture the components which are relevant or need to be supplemented with new functionality

#### Solution design

The purpose of this section is to picture the design of new functionality

[Email from Yiwei - see here](#)

#### Backend APIs

| Use Case | API | Comments | Details |
|----------|-----|----------|---------|
|----------|-----|----------|---------|

### Action items

| Key           | Summary  | Due | Assignee         | P | Status                |
|---------------|--|-----|------------------|---|-----------------------|
| TLEOSMORG-459 | Implement loading topics for survey  |     | Anatoli Putseyeu | ◇ | DELIVERED             |
| TLEOSMORG-460 | UI - create "Suggested criteria from other users" section                        |     | Anatoli Putseyeu | ◇ | CODE REVIEW COMPLETED |
| TLEOSMORG-461 | Implement "+" action for topics in "Suggested criteria from other users" section |     | Artur Sergeyyan  | ◇ | CODE COMPLETE         |
| TLEOSMORG-462 | UI - fix "Manually added topics" section   |     | Anatoli Putseyeu | ◇ | TECH DESIGN           |

4 issues

## Implement HWR Survey Results

### Functional Design Document

<http://review.us.oracle.com/review2/Review.html#reviewId=301746;scope=document;status=open,fixed,closed;documentId=1450178>

### Use cases

TBD

### Technical design

#### Current implementation

The purpose of this section is to picture the components which are relevant or need to be supplemented with new functionality

### Solution design

The purpose of this section is to picture the design of new functionality

#### Discussions log

- 2016-08-05 from Talya Klein
- 2016-08-10 from Yiwei Zhang

### Backend APIs

| Use Case | API | Comments | Details |
|----------|-----|----------|---------|
|----------|-----|----------|---------|

### Action items

| Key           | Summary   | Due | Assignee          | P | Status                  |
|---------------|---|-----|-------------------|---|-------------------------|
| TLEOSMORG-451 | Add VO for free text questions  |     | Bartek Styrylski  | ◇ | CODE REVIEW COMPLETED   |
| TLEOSMORG-452 | Add VO for choice questions   |     | Lukasz Debiec     | ◇ | DELIVERED               |
| TLEOSMORG-453 | Load VO for free text questions and convert to SurveyTopicResponse          |     | Bartek Styrylski  | ◇ | CODE REVIEW COMPLETED   |
| TLEOSMORG-454 | Load VO for choice questions and convert to SurveyResultsForMultiChoiceQstn |     | Tomasz Urbanowicz | ◇ | DEVELOPMENT IN PROGRESS |
| TLEOSMORG-455 | Implement UI for free text questions  |     | Jakub Skrzynski   | ◇ | CODE COMPLETE           |
| TLEOSMORG-456 | Implement UI for choice questions   |     | Tomasz Urbanowicz | ◇ | TECH DESIGN             |
| TLEOSMORG-457 | Research export and print capabilities                                      |     | Anatoli Putseyeu  | ◇ | CODE REVIEW COMPLETED   |

7 issues

## Discussions log

This is to track discussions, decisions of various topics pertaining **HWR**.

### Email threads

- 2016-08-05 from Talya Klein
- 2016-08-09 from Yiwei Zhang
- 2016-08-10 from Yiwei Zhang
- 2016-08-11 HWR Surveys Results and HWR Meeting Surveys FDD discussion

#### 2016-08-05 from Talya Klein

**From:** Talya Klein  
**Sent:** 5 sierpnia 2016 23:20  
**To:** Tomasz Tomalak  
**Cc:** MALINI.CHAKRABARTI; Yasin Cengiz  
**Subject:** HWR Survey Results

Hi Tomasz,

Here is some information about the HWR survey results page to help your team get started.

The UI for the survey results should be placed in SurveyResults.jsff, which is currently essentially empty (I just printed the questionnaire ID, etc there for testing purposes).

SurveyResults.jsff is loaded from SurveyResultsFlow.xml task flow. SurveyResultsFlow.xml is opened as an infocus page by SurveysBean.java's loadSurveyResultsDetail() method.

SurveysBean.loadSurveyResultsDetail() is called when a user clicks on the link for a survey from MySurveyInfofileSummary.jsff.

As you can see in the Survey Results FDD, the survey results are shown in 2 tables, and therefore we will need 2 VOs:

- 1) The top table is for the responses to the free text questions, and these responses are organized by Topic. We should add a method to SurveysBean.java which will execute a VO for this and save the results into a variable such as *List<SurveyTopicResponse> mSurveyResultTopicList* -- in other words, a List of SurveyTopicResponse objects. SurveyTopicResponse.java and SurveyResult.java (a list of SurveyResult objects is used in SurveyTopicResponse) are 2 java classes that Yiwei already wrote and checked in.
- 2) The bottom table is for the results of responses to multiple-choice and single-choice questions. We should add another method to SurveysBean.java which will execute a 2nd VO and save the results into a List of SurveyResultsForMultiChoiceQstn objects. SurveyResultsForMultiChoiceQstn.java is also already written and checked in.

The VOs can be added to the hwr-application-module project. I have not checked in to hwr-application-module yet, but I have already created a SurveysAM there and surveys subfolders for all the survey-related VOs and EO.

SurveyResultsFlow.xml is already wired to SurveysBean.

As an example for writing the methods in SurveysBean to call the 2 VOs and get the survey results, you can look at Yiwei's code which he wrote to get the responses to Meeting Surveys. The relevant method is loadSurveyResultBy(String pPrfId, Date pDate) in MeetingSurveyResultsBean.java. The Meeting Surveys only use the responses to the free text questions. Note that the parameters (profile ID and date) that the Meeting Survey takes in are different from the parameters that the Reputation Survey will need to take in. (The Reputation Survey will need survey ID as a parameter, and perhaps Questionnaire ID, Questionnaire Version, etc as well.)

Let me know if there are any questions. We can set up a call next week (eg Tuesday) if your team would like.

- Talya

#### 2016-08-09 from Yiwei Zhang

**From:** Yiwei Zhang  
**Sent:** 9 sierpnia 2016 23:18  
**To:** Tomasz Tomalak  
**Cc:** Yasin Cengiz; Malini Chakrabarti; Talya Wasserman  
**Subject:** Work items for my team meeting survey

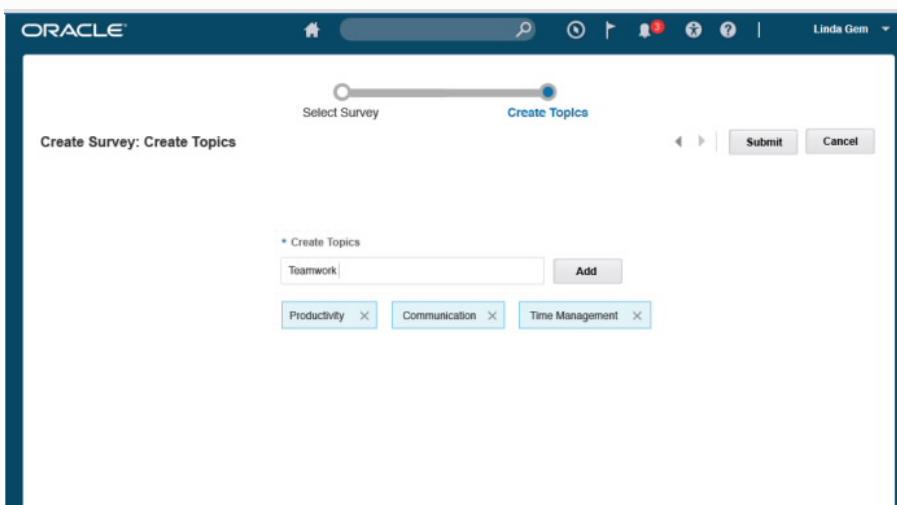
Hi,

As discussed, we would need your team's help to take over some of the task for the "My Team meeting survey"

Here is the FDD link: <http://review.us.oracle.com/review2/Review.html#reviewId=301746;scope=document;status=open,fixed;documentId=1511752>

You can see that it includes two steps:

1. The manager shall select a survey for meeting. If there is no available survey, then he has to create one. If there are existing surveys created by others, he can choose from the existing surveys, or he can still creates a new one
2. After selecting a survey, the manager shall be able to create topics for the survey. If no one has created any topics for the survey before, he will just input new topic in the edit box and by clicking "Add", the topic will be added below.



The important part is, if there are topics created by others for this survey, there shall be another section below the "Create Topics" area. The header for this section shall be: "Suggested criteria from other users:". This section shall list topics that were created by all other users for the same selected survey. Each of the topic shall be enclosed in a blue bubble with a '+' symbol (instead of 'x' symbol). When the user clicks on the '+' symbol, it shall be added as an meeting criteria to the list/section for "Create Topics".

We will leave this part for configuring topics when there are existing topics to your team. I am going to finish the rest of the part to create topics when there are no existing topics

The related jsff file I will check into R12 stable is  
hcmWorkforceReputation\hwr\PublicUiFuse\public\_html\oracle\apps\hcm\hwr\publicUiFuse\page\surveys\MeetingSurveyManageTopic.sjsff

Your team can implement the functionality in this jsff

Let me know if you have any questions. We can have a meeting to discuss this if needed

Thanks

2016-08-10 from Yiwei Zhang

**From:** Yiwei Zhang  
**Sent:** Wednesday, August 10, 2016 4:42 PM  
**To:** Bartłomiej Styrylski; Talya Klein  
**Cc:** Tomasz Grzegorz Tomalak; Lukasz Debiec  
**Subject:** Re: HWR Survey Results

Hi, Bartlomiej

For UI you only need to focus on HWR\_SRVY\_RSLT\_TEXT and HWR\_SRVY\_RSLT\_MLT\_CHOICE tables

HWR\_SRVY\_RSLT\_TEXT contains the survey result data for the first table in my survey result page, and HWR\_SRVY\_RSLT\_MLT\_CHOICE contains the statistics data for the second table

I have created a SurveyResultsVO view object at hwr-application-module\src\oracle\apps\hcm\hwr\applicationModule\model\view, but it is only for meeting survey result query in "My Team meeting survey". It is similar in the functionality for "my survey result", but it is using different query parameters (survey date range, user ID). For "my survey result", you need to create a similar VO using different query parameters (you probably only need survey ID as query parameter). Also this VO will get you the display names of the response users

Also MeetingSurveyResultsBean#loadSurveyResultBy is calling the above VO to load only meeting survey results. You can do similar stuff in your MySurveyResultBean to call your VO for showing the results

Thanks

On 8/10/2016 8:36 AM, Bartlomiej Styrylski wrote:

Hi Talya and Yiwei

Thanks for the hints. I need just a couple of clarifications after having initial look at the code mentioned below.

- In terms of data model I understand that HWR\_SRVY\_RSLT\_TEXT and HWR\_SRVY\_RESPONSES are essentially the tables that store also "my surveys" data, i.e. not only "meeting surveys"-related data, correct?
- If so, for free text questions we could probably reuse SurveyResultVO/EO directly. Given we do proper filtering, I don't see any obstacles preventing us from doing that, do you see any?
- After looking at MeetingSurveyResultsBean#loadSurveyResultBy, I've tried to figure out how DisplayName attribute (i.e. responder's name) is resolved. I don't see it in corresponding VO definition. Is it available in some automagical way that I'm missing?
- Looks like there is quite similar UI being developed for meeting surveys that we could reuse, at least for free text questions. What is its dev status? Is it completed or under development? I'm speaking about MeetingSurveyResults.jsff

Thanks  
Bartek

## 2016-08-11 HWR Surveys Results and HWR Meeting Surveys FDD discussion

### Date

 11 Aug 2016

### Attendees

- Malini Chakrabarti
- Talya Klein
- Yiwei Zhang
- Tomasz Tomalak
- Bartek Styrylski
- Anatoli Putseyeu
- Tomasz Urbanowicz
- Lukasz Debiec
- Jakub Skrzynski
- Marcin Rybak

### Goals

- Discuss HWR Surveys Results and HWR Meeting Surveys FDD questions with Malini, Talya and Yiwei

### Discussion items

| Item   | Notes |
|--|-------|
| Is there a VO that we can use already - if not - where should we take those topics from? |       |

|   |  |
|---|--|
| Where should we take HWR data from? Is there any seeded data? | Data from Yiwei's database have been imported to <b>slcak351</b> and <b>llg00alz</b> databases             |
| Where is ADE's HwrApplicationModule project located in git?   | project <a href="#">hwr-application-module</a>   |
| How Meeting surveys db model look like?                       | <p>Meeting Survey = SELECT * FROM TOPIC WHERE QUEST-ID = &lt;Q-ID&gt;<br/>AND USR-ID = &lt;USER-ID&gt;</p> |

## Action items



## Reputation Development Databases

HWR/Reputation Edition

| Host                   | Port | SID      | User   | Password | Compatible Code Branch                             | Description            |
|------------------------|------|----------|--------|----------|--|------------------------|
| slcak351.us.oracle.com | 1561 | ems7439  | fusion | fusion   | R12stable + seed data (user Klaus von Beckenbauer) |                        |
| llg00alz.uk.oracle.com | 1522 | llg00alz | fusion | fusion   | R12stable + seed data (user Klaus von Beckenbauer) | UK Artur's VM Database |

## When something goes wrong...

### Short Errors&Issues guide

1. **Symptom:** user could log in to application and sees root menu, but when clicks on 'Reputation' icon, gets "ADF\_FACES-60096:Server Exception during PPR, #1" error.

**Details:** usually it means that you need to go to logs for root cause, because this error means that weblogic server *has failed* to report an exception.

**Logs to check:** in this case *wls.log* has only limited details, so check \$DOMAIN\_HOME/server/AdminServer/logs/AdminServer-diagnostic.log.

**Possible root causes:**

- a. Stacktrace which starts with:

    ↳ **unable to dispatch JSP page**

```
unable to dispatch JSP page: servlet path : /oracle/apps/atk/homePage/common/fusePlus/publicUi/page/AtkUnifiedHomePage.jsffThe following exception occurred: [[
javax.el.ELException: java.lang.NullPointerException
    at javax.el.BeanELResolver.getValue(BeanELResolver.java:298)
    at
com.sun.faces.el.DemuxCompositeELResolver._getValue(DemuxCompositeELResolver.java:173)
    ... hundreds of stacktrace lines ...
```

Then scroll up a couple of screens and look for sql query:

## **SELECT DeployedModuleEO.DEPLOYED\_MODULE\_ID**

```
SELECT DeployedModuleEO.DEPLOYED_MODULE_ID,
       DeployedModuleEO.DEPLOYED_CONTEXT_ROOT,
       DeployedModuleEO.DEPLOYED_MODULE_ID AS
DEPLOYED_MODULE_ID1,
       EnterpriseApplicationEO.SHORT_NAME,
       EnterpriseApplicationEO.ENTERPRISE_APPLICATION_ID,
       EnterpriseApplicationEO.NAME,
       EnterpriseApplicationEO.ENTERPRISE_APPLICATION_ID AS
ENTERPRISE_APPLICATION_ID1,
       ModuleEO.MODULE_NAME,
       ModuleEO.MODULE_SHORT_NAME,
       ModuleType.MODULE_TYPE_NAME,
       ModuleType.MODULE_TYPE_SHORT_NAME,
       ModuleEO.MODULE_DESCRIPTION,
       ModuleEO.CONTEXT_ROOT,
       ClusterEO.NAME AS NAME2,
       EnterpriseApplicationEO.DEFAULT_URL,
       EnterpriseApplicationEO.DEPENDENCY,
       EnterpriseApplicationEO.FOR_SETUP,
       EnterpriseApplicationEO.GROUP_NAME,
       EnterpriseApplicationEO.INSTALL_DIR,
       EnterpriseApplicationEO.VISIBLE,
       EnterpriseApplicationEO.VERSION,
       EnterpriseApplicationEO.TYPE,
       EnterpriseApplicationEO.SOURCE_FILE,
       ModuleEO.MODULE_ID,
       ModuleType.MODULE_TYPE_ID,
       ClusterEO.ID
FROM ASK_DEPLOYED_MODULES DeployedModuleEO,
     ASK_ENTERPRISE_APPLICATIONS EnterpriseApplicationEO,
     ASK_MODULES ModuleEO,
     ASK_MODULE_TYPES ModuleType,
     ASK_DEPLOYED_APPLICATIONS DeployedAppEO,
     AS K_CLUSTERS ClusterEO
WHERE (((((ModuleEO.ENTERPRISE_APPLICATION_ID =
EnterpriseApplicationEO.ENTERPRISE_APPLICATION_ID)
AND (DeployedModuleEO.MODULE_ID = ModuleEO.MODULE_ID))
AND (ModuleEO.MODULE_TYPE_ID = ModuleType.MODULE_TYPE_ID))
AND (DeployedModuleEO.DEPLOYED_APP_ID =
DeployedAppEO.DEPLOYED_APP_ID))
AND (EnterpriseApplicationEO.ENTERPRISE_APPLICATION_ID =
DeployedAppEO.ENTERPRISE_APPLICATION_ID))
AND (EnterpriseApplicationEO.CLUSTER_ID = ClusterEO.ID(+) )
AND ( ( DeployedModuleEO.DEPLOYED_CONTEXT_ROOT =
:pDeployedContextRoot ) ) )
```

If there is such - copy it, commit last line 'AND ( ( DeployedModuleEO.DEPLOYED\_CONTEXT\_ROOT = :pDeployedContextRoot ) ) )' and execute against database, to which your applications tries to connect.  
If there is no output, with high probability you just need to fill in topology tables - see step Prepare Database

# Meeting notes

[Create meeting note](#)

| Title   | Creator          | Modified     |
|---|------------------|--------------|
| 2016-08-11 HWR Surveys Results and HWR Meeting Surveys FDD discussion | Marcin Rybak     | Aug 23, 2016 |
| 2016-05-11 Volunteering Open issues/concerns weekly meeting           | Marcin Rybak     | May 12, 2016 |
| 2016-04-28 New User Signup - Design by Contract SyncUp                | Bartek Styrylski | Apr 28, 2016 |
| 2016-04-25 Locations Step Task Blockers Meeting                       | Marcin Rybak     | Apr 27, 2016 |
| 2016-04-15 New User Signup FDD grooming and planning                  | Marcin Rybak     | Apr 18, 2016 |
| 2016-04-11 FDDs Review Meeting  | Marcin Rybak     | Apr 18, 2016 |
| 2016-04-12 New User Signup FDD initial team meeting                   | Bartek Styrylski | Apr 14, 2016 |
| 2016-03-22 Initial Meeting with Brian and Sree                        | Marcin Rybak     | Mar 29, 2016 |
| 2016-03-22 Initial meeting  | Marcin Rybak     | Mar 23, 2016 |

## Other topics

[How To File Patents at Oracle](#)

[SDM - lista obecności](#)

### SDM - lista obecnosci

Lista osób, które planują przychodzić do biura w trakcie DM:

1. Tomasz Tomalak
2. Lukasz Debiec (pon,wt,sr)
3. Michal Marnik
4. Piotr Kinasz
5. Piotr Tomasiak (pn, wt)
6. Mateusz Pietryga
7. Jakub Skrzynski
8. Monika Goździńska

## Product requirements

[Add Product requirements](#)

| Title                 | Designer     | Developers   | Document owner | Document status | Epic  | QA | Target release |
|-----------------------|--------------|--------------|----------------|-----------------|---|----|----------------|
| CardeaNotificationJob | Olek Kamczyc | Olek Kamczyc | Olek Kamczyc   | DRAFT           | <input checked="" type="checkbox"/> WELLNESS-892 - CARDEA NOTIFICATION JOB MAY NOT BE SCHEDULED<br>90 - CLOSED, VERIFIED BY FILER |    | R12+           |

## Scheduler Framework Essentials

## Documentation

- Engine Workspace at stbeehive
- UML in [odin-scheduler project](#) in master branch

Quartz version is 1.6.5, source code and javadoc could be obtained here -> <https://repository.jboss.org/nexus/content/repositories/thirdparty-releases/org.opensymphony/quartz/quartz/1.6.5/>

## Points of Contact

- Carrie Bordadora
- Vaishnavi Dalvi

## The Team

### People

### Bugs

### Tasks

### Dev Talks

#### Dev Talks

- Monthly Dev Talks - Schedule
- Past talks
- I'm interested to hear about (vote if you like any)

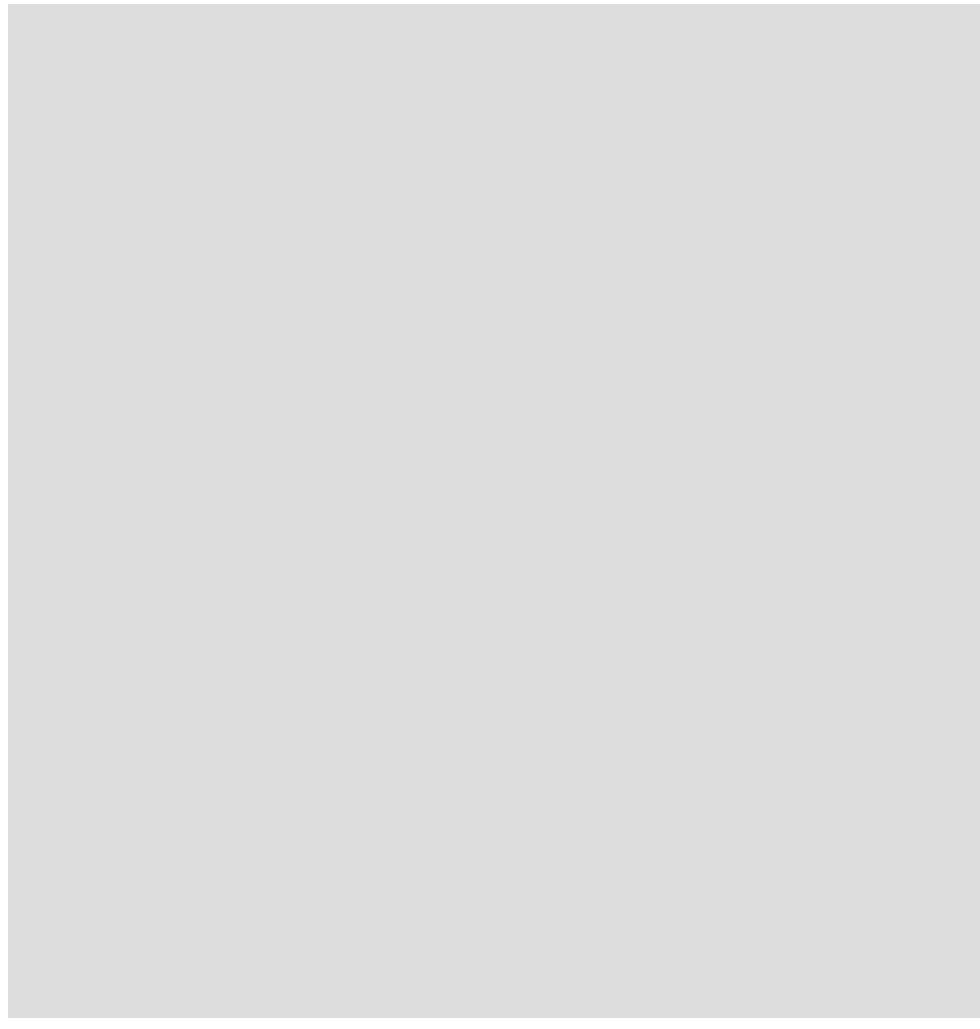
#### Monthly Dev Talks - Schedule

| Date       | Topic  | Presenter         |
|------------|--|-------------------|
| 15.10.2015 | Clean Code and Effective Java - Dev Talk       | Tomasz Pedziwiatr |
| 14.01.2016 | Fusion - an Introduction                       | Marcin Rybak      |
| 24.05.2016 | Git mastering                                  | Olek Kamczyc      |
|            |  |                   |
| ?          | Scrum Essentials                               | Krzysztof Niemiec |
| ?          | GIT. Branching - Merging&Rebasing. Workflows   | Olek Kamczyc      |
| ??         | Architect Enterprise Applications with Java EE | Olek/Artur        |
| ?????????  | Spring transactions                            | Tomasz Pedziwiatr |

#### Past talks

| Date       | Presenter    | Topic                         | Resources                                  |
|------------|--------------|-------------------------------|--|
| 13.09.2016 | Marcin Rybak | ADF Training - coding session | <a href="#">ADF training - live coding</a> |

|            |                |   |  |
|------------|----------------|---|--|
| 12.09.2016 | Marcin Rybak   | ADF Application Modules essentials      | ADF Application Modules in Fusion essentials |
| 01.09.2016 | Marcin Rybak   | ADF View Objects essentials             | ADF View Objects in Fusion essentials        |
| 26.08.2016 | Marcin Rybak   | ADF Entity Objects essentials           | ADF Entity Objects in Fusion essentials      |
| 25.08.2016 | Artur Sergeyev | Enhancements in Java SE 8               |  |
| 17.08.2016 | Marcin Rybak   | Fusion database model essentials        | Fusion database model essentials             |
| 05.07.2016 | Marcin Rybak   | Effective ADF UI development techniques | Effective ADF UI development techniques      |
| 16.06.2016 | Marcin Rybak   | ADF Task Flows essentials               | ADF Task flows essentials                    |
| 22.04.2016 | Marcin Rybak   | ADF good practices - part 1             | ADF good practices - part 1                  |

|            |                   |   |   |
|------------|-------------------|---|---|
| 07.04.2016 | Marcin Rybak      | Mocking frameworks (Mockito, JMock) in java | Mocking in Java   |
| 23.02.2016 | Tomasz Pedziwiatr | JPA Basics - Introduction                   |                                    |
| 2016-02-18 | Bartek Styrylski  | AppSec Tales - Threat modeling              |   |
| 2015-07-24 | Krzysztof Nirski  | Introduction to functional programming      | Based on resources from <a href="https://www.coursera.org/course/progfun">https://www.coursera.org/course/progfun</a> |

### I'm interested to hear about (vote if you like any)

| Topic  |
|--|
| java.util.concurrent usage, implementations & tricks |
| useful patterns in javascript, css and html5         |
| distributed cache implementations                    |
| other languages implementations in JVM               |
| Functional programming intro and patterns            |
| security patterns                                    |

|  |
|--|
| Spring Transactions                                  |
| Java proxy implementations (Spring, Hibernate etc.)  |
| Java Authentication and Authorization Service (JAAS) |
| Bytecode manipulation                                |
| Domain Specific Language                             |
| Java annotations                                     |
| Scrum Essentials                                     |

## Volunteering - essentials

### BugDB information

Product: 12565 – Corporate Social Responsibility  
 Component: Volunteer\*  
 Sub Component: Optional

### Project meetings

- Meeting notes

### Project documentation

- Requirements
- Volunteering string resources
- DB schema
- ADF BC Model
- Request Ethelontiis API change
- Reusable components documentation

### Project How-To

- How to start development
- How to fix Volunteering issues
- How to fetch code from git
- How to push the code
- How to develop UI and backend in parrallel
- How to create offline DB object
- How to refresh db
- How to update jazn file
- How to add strings in R12
- How to fix Fusion audit violations

### Project Standards (sic!)

- UI Folder Structure and Naming Conventions by Sree
- Coding standards by Sree

## Knowledgebase

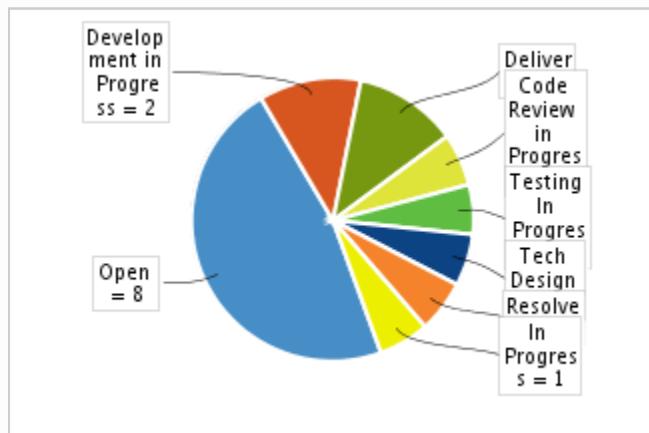
- HCM Volunteering Beehive for DEVs
- HCM Volunteering Beehive - all pages
- HCM Volunteering Confluence
- Ethelontiis Demo

## Development environment details

- Development databases
- Cracow's Team Ethelontiis Repo
- Test environments

## Project tracking

- JIRA Kanban board



| Key           | Summary                                    | Updated      | Due          | Assignee           | P | Status                  |
|---------------|--|--------------|--------------|--------------------|---|-------------------------|
| TLEOSMORG-357 | Create integration tests                   | Apr 11, 2016 |              | Aleksander Kamczyc | ◇ | OPEN                    |
| TLEOSMORG-381 | Request and uptake missing Causes icons    | May 30, 2016 |              | Tomasz Tomalak     | ◇ | TESTING IN PROGRESS     |
| TLEOSMORG-391 | Volunteering User - Browse projects        | Aug 11, 2016 |              | Tomasz Tomalak     | ◇ | RESOLVED                |
| TLEOSMORG-392 | Volunteering User - Add project            | Aug 03, 2016 |              | Tomasz Tomalak     | ◇ | OPEN                    |
| TLEOSMORG-394 | volunteering user - update preferences     | Aug 03, 2016 |              | Tomasz Tomalak     | ◇ | OPEN                    |
| TLEOSMORG-405 | Create Train Wizzard skeleton              | Jul 08, 2016 | Jun 10, 2016 | Tomasz Pedziwiatr  | ◇ | DELIVERED               |
| TLEOSMORG-406 | Implement General Information Section      | Jul 08, 2016 |              | Tomasz Pedziwiatr  | ◇ | DEVELOPMENT IN PROGRESS |
| TLEOSMORG-409 | Implement Additional Information Section   | Jun 17, 2016 |              | Aleksander Kamczyc | ◇ | DEVELOPMENT IN PROGRESS |
| TLEOSMORG-412 | Volunteering User - View Discover Projects | Aug 03, 2016 |              | Tomasz Tomalak     | ◇ | OPEN                    |
| TLEOSMORG-415 | Volunteering User - Edit Project           | Aug 03, 2016 |              | Tomasz Tomalak     | ◇ | OPEN                    |
| TLEOSMORG-416 | Volunteering User - Add Organization       | Aug 03, 2016 |              | Tomasz Tomalak     | ◇ | OPEN                    |

|               |   |              |                   |                    |  |  |
|---------------|---|--------------|-------------------|--------------------|--|--|
| TLEOSMORG-422 | Implement Add Organization Popup                    | Jul 08, 2016 | Tomasz Pedziwiatr |                    | <span style="border: 1px solid #ccc; padding: 2px;">DELIVERED</span> |  |
| TLEOSMORG-429 | Create Edit Project page skeleton                   | Jun 24, 2016 | Jun 10, 2016      | Tomasz Pedziwiatr  |  | <span style="border: 1px solid #ccc; padding: 2px;">CODE REVIEW IN PROGRESS</span> |
| TLEOSMORG-430 | Create popup skeleton                               | Jun 06, 2016 | Jun 10, 2016      | Tomasz Pedziwiatr  |  | <span style="border: 1px solid #ccc; padding: 2px;">OPEN</span>                    |
| TLEOSMORG-442 | Implement geosearch                                 | Aug 02, 2016 |                   | Aleksander Kamczyc |  | <span style="border: 1px solid #ccc; padding: 2px;">OPEN</span>                    |
| TLEOSMORG-443 | Provide API to set focus on particular input fields | Jul 15, 2016 |                   | Anatoli Putseyeu   |  | <span style="border: 1px solid #ccc; padding: 2px;">TECH DESIGN</span>             |

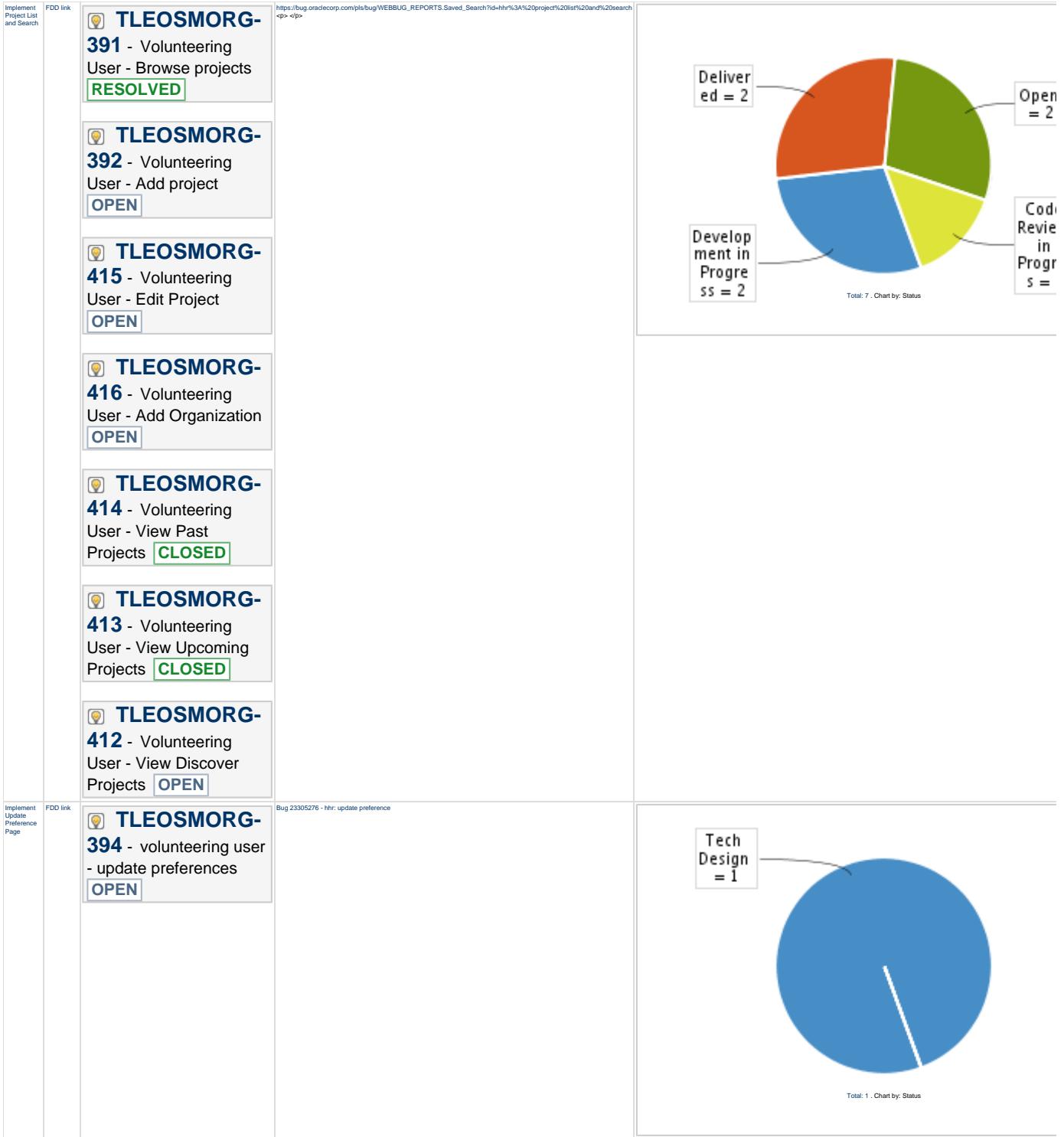
16 issues

## Ethelontiis Demo



## Requirements

| Name                                | FDD                      | Jira | Bug | Status    |
|-------------------------------------|--------------------------|------|-----|-----------|
| Implement<br>Manage<br>Volunteering | <a href="#">FDD link</a> |      |     | Cancelled |



|                         |   |          |   |  |                         |          |
|-------------------------|---|----------|---|--|-------------------------|----------|
|                         | Implement New User Signup                           | FDD link | <p><b>TLEOSMORG-</b><br/><b>358</b> - volunteering user<br/>- initial signup<br/><b>IN PROGRESS</b></p> <p>Bug 23249013 - NEW USER SIGNUP GAPS<br/>Bug 230055529 - hhr: new user signup</p>   | <p>Total: 2 . Chart by: Status</p> <table border="1"> <tr> <td>Testing In Progress = 1</td><td>Open = 1</td></tr> </table> | Testing In Progress = 1 | Open = 1 |
| Testing In Progress = 1 | Open = 1  |          |   |  |                         |          |
|                         | Implement Wizard to capture volunteering experience | FDD link | <p><b>TLEOSMORG-</b><br/><b>337</b> - Volunteering User - Edit volunteering experience<br/><b>IN PROGRESS</b></p> <p><b>TLEOSMORG-</b><br/><b>338</b> - Volunteering User - View volunteering experience<br/><b>CLOSED</b></p> <p>Bug 22985305 - hhr: wizard to capture volunteering experience</p> | <p>Total: 1 . Chart by: Status</p> <table border="1"> <tr> <td>Open = 1</td></tr> </table>                                 | Open = 1                |          |
| Open = 1                |   |          |   |  |                         |          |
|                         | Implement Project swag aggregation                  | FDD link | <p><b>TLEOSMORG-</b><br/><b>336</b> - Volunteering Project Leader - View giveaway summary<br/><b>CLOSED</b></p> <p>Bug 22985299 - hhr: project swag aggregation</p>   | <p>No Data Available</p>   |                         |          |

Volunteering string resources

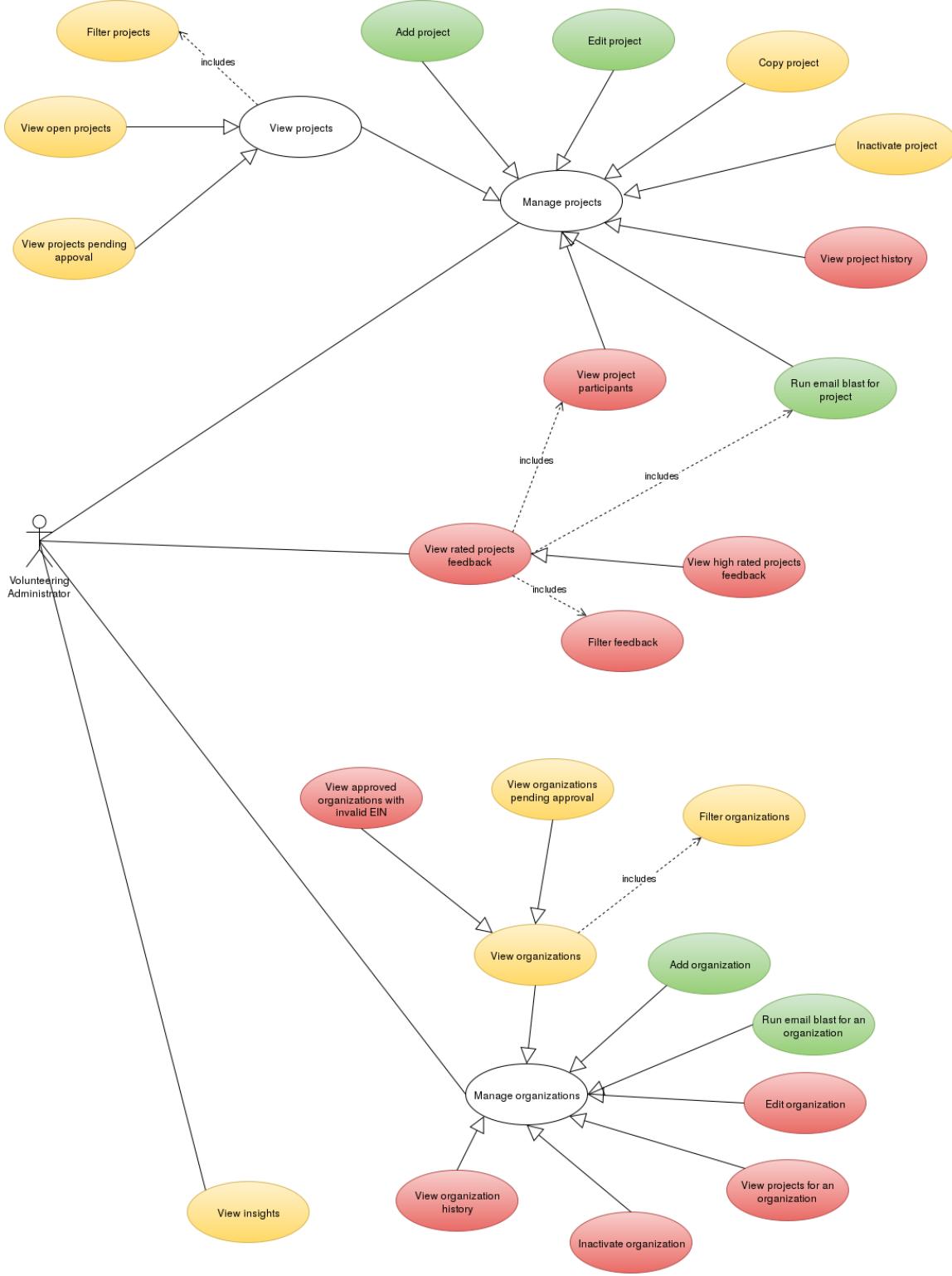
## Implement Manage Volunteering

- Functional Design Document
- Use cases
- Technical design
  - Current implementation
  - Solution design
  - Action items

## Functional Design Document

<http://review.us.oracle.com/review2/Review.html#reviewId=293195;scope=document;status=open,fixed,closed;documentId=1465798>

## Use cases



## Technical design

### Current implementation

Below are some key codebase artifacts related to the existing Volunteering administrative interface:

| Artifact | Description |
|----------|-------------|
|----------|-------------|

|                                     |   |
|-------------------------------------|---|
| HHR_VOLUNTEERING_ADMIN_taskmenu.xml | Task menu definition file for admin interface entry point. This entry will be most likely moved to HHR_VOLUNTEERING_taskmenu.xml as the new admin interface should be available directly from the Volunteering application, as a separate tab.                                  |
| EthelontiisMainManageTF.xml         | Main management task flow definition which could be reused. It contains reference to admin infotiles definition (see below).<br><br>The task flow is protected by HWR_MANAGE_VOLUNTEERING_CONFIG_PRIV permission set in jazn-data.xml and it supposedly should remain this way. |
| EthelontiisManagePageDef.xml        | Main admin page which in fact contains only admin infotiles declaration (page def) and region (jsff).   |
| EthelontiisManage.jsff              |   |
| Ethelontiis-Manage-Infotiles.xml    | Infotiles definition containing references to Projects, Organizations and Insights task flows.  |
| MyOrganizationInfotileTF.xml        | Task flow and related pages for Organizations infotile.   |
| MyOrganizationInfotileSummary.jsff  |   |
| MyOrganizationInfotileDetail.jsff   |   |
| ProjectInfoTileTF.xml               | Task flow and related pages for Projects infotile.  |
| ProjectsInfoTileDetail.jsff         |   |
| ProjectsInfoTileSummary.jsff        |   |
| InsightsInfoTileTF.xml              | Task flow and related pages for Insights infotile.  |
| InsightsInfoTileDetail.jsff         |   |
| InsightsInfoTileSummary.jsff        |   |

## Solution design

This section describes the design of the particular Manage Volunteering sections.

### Action items

## Implement New User Signup

- 1
- 2 Functional Design Document
- 3 Use cases
  - 3.1 [Actors](#)
  - 3.2 [Register in Volunteering](#)
    - 3.2.1 [Scenario 1 \(happy path\)](#)
    - 3.2.2 [Scenario 2 \(already registered user\)](#)
    - 3.2.3 [Scenario 3 \(back and forth navigation\)](#)
    - 3.2.4 [Scenario 4 \(cancel\)](#)
  - 3.3 [Define Volunteering registration waiver](#)
  - 3.4 [Set Volunteering welcome screen background](#)
- 4 Technical design
  - 4.1 [Current implementation](#)
    - 4.1.1 [Resources](#)

- 4.1.2 Fusion APIs
- 4.1.3 Database schema
  - 4.1.3.1 Goals (might be obsolete, per Brian comment in FDD review - "Please disregard old goal model."):
- 4.1.4 Class diagram
  - 4.1.4.1 Goals (might be obsolete, per Brian comment in FDD review - "Please disregard old goal model."):
- 4.1.5 Task flows
- 4.2 Solution design
  - 4.2.1 Causes Page
    - 4.2.1.1 Graphic resources and lookups
  - 4.2.2 Locations Page
    - 4.2.2.1 Task flow parameters
    - 4.2.2.2 Task flow diagram
- 4.3 Action items

## Functional Design Document

<http://review.us.oracle.com/review2/Review.html#reviewId=293195;scope=document;status=open,fixed,closed>

## Use cases

### Actors

- Fusion User
- Volunteering Administrator

### Register in Volunteering

**In order to** participate in volunteering projects

**As a** Fusion User

**I want to** register in Volunteering application

**Scenario 1 (happy path)**

**Scenario 2 (already registered user)**

**Scenario 3 (back and forth navigation)**

**Scenario 4 (cancel)**

### Define Volunteering registration waiver

**In order to** ensure legal proceeding for volunteering

**As a** Volunteering Administrator

**I want to** define the legal waiver

### Set Volunteering welcome screen background

**In order to** provide awesome Volunteering user experience

**As a** Volunteering Administrator

**I want to** set Volunteering welcome screen background

## Technical design

## Current implementation

The purpose of this section is to picture the components which are relevant or need to be supplemented with new functionality

### Resources

All graphics are stored in images folder in **AdfAcrImagesPublicUi.jar** which is included in **HcmEthelontiisUI.war** during deployment process. The relevant images are:

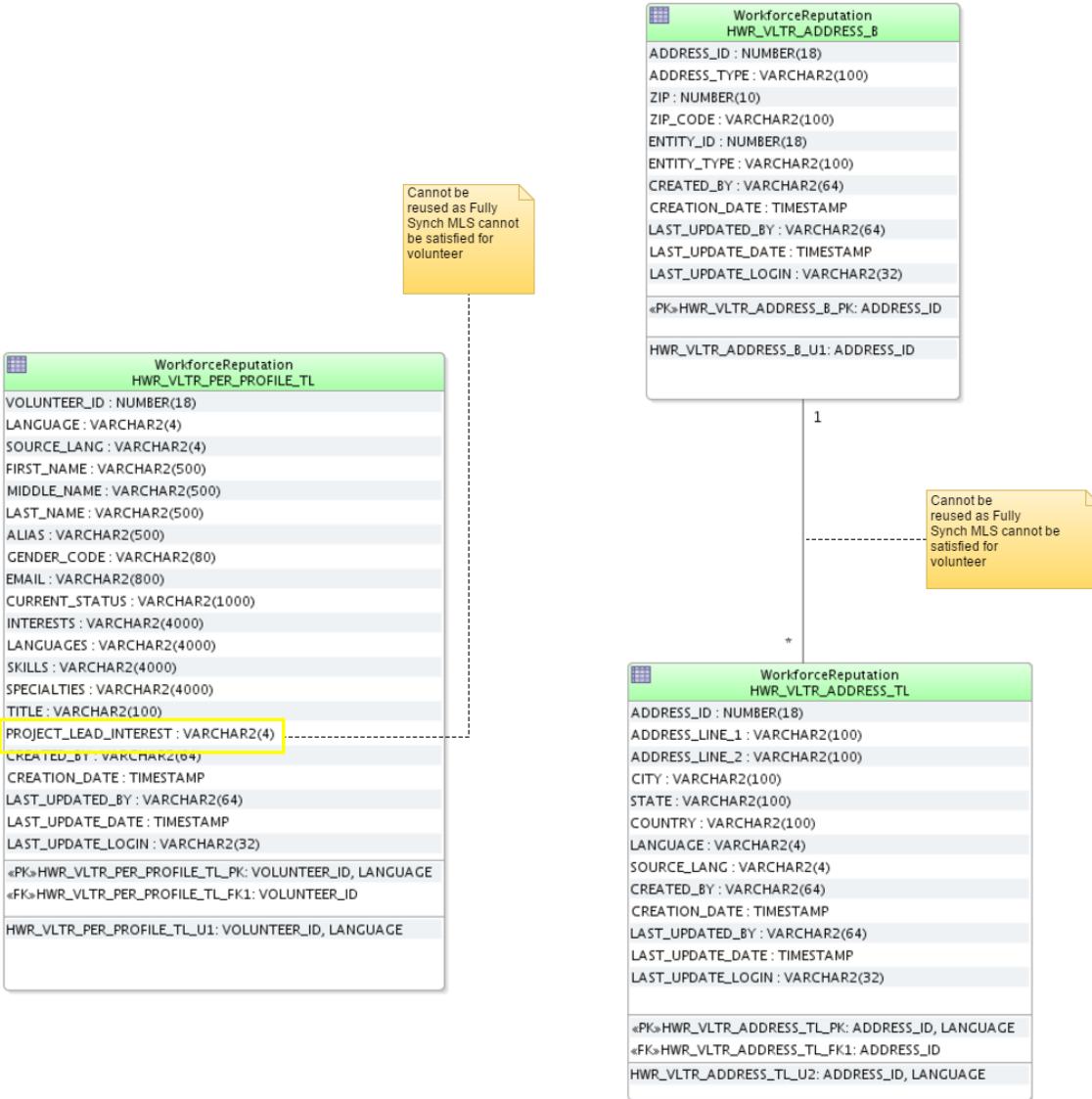
| Focus area (cause)        | Image   | Filename                    | Lookup Code               |
|---------------------------|---|-----------------------------|---------------------------|
| Advocacy and Human Rights | <MISSING> - Asked Brian   |                             | ADVOCACY_AND_HUMAN_RIGHTS |
| Arts and Culture          | <MISSING> - Asked Brian   |                             | ARTS_AND_CULTURE          |
| Children and Youth        | <MISSING> - Asked Brian   |                             | CHILDREN_AND_YOUTH        |
| Community                 |  | grid_dot_lg_group.png       | <MISSING>                 |
| Education and Literacy    |  | grid_dot_lg_mortarboard.png | EDUCATION_AND_LITERACY    |
| Health and Medicine       |  | grid_dot_lg_medical.png     | HEALTH_AND_MEDICINE       |
| Women                     | <MISSING> - Asked Brian   |                             | WOMEN                     |
| Other                     | <MISSING> - Asked Brian   |                             | <MISSING>                 |

## Fusion APIs

| Functionality  | Library Name                       | Library Path    | Module name            | Usage  |
|--|------------------------------------|-----------------|------------------------|--|
| Fetch country specific 1st level administrative division <b>type name</b><br><br>(depends on particular country, i.e state, wojewodztwo) | AdfFoundationGeographiesPublicView | fusionapps/jlib | GeoStructureLevelPVO   | <pre>ViewObjectImpl vo = get vo.appendViewCriteria(v vo.setNamedWhereClauseF vo.executeQuery());</pre>                         |
| Fetch country 1st level administrative division codes list   | AdfFoundationGeographiesPublicView | fusionapps/jlib | GeographyElement2PVO   | <pre>ViewObjectImpl vo = get vo.appendViewCriteria(v vo.setNamedWhereClauseF vo.setNamedWhereClauseF vo.executeQuery());</pre> |
| Fetch administrative divisions full display names  | AdfFoundationGeographiesPublicView | fusionapps/jlib | GeographyIdentifierPVO | Standard use   |

|   |                                      |                 |  |  |
|---|--------------------------------------|-----------------|--|--|
| Build custom queries which operate on Fusion's Geographic data tables | AdfFoundationGeographiesPublicEntity | fusionapps/jlib | <ul style="list-style-type: none"> <li>• GeographyPEO</li> <li>• GeoStructureLevelPEO</li> <li>• GeographyIdentifierPEO</li> </ul> | Build one PVO which returns the 1st level administrative |
|---|--------------------------------------|-----------------|--|--|

## Database schema



Goals (might be obsolete, per Brian comment in FDD review - "Please disregard old goal model."):

Goals seems to be already supported in volunteering.

From db point of view, we've got

- HWR\_VLTR\_GOAL\_VL view with following columns being most important for the task: GOAL\_METRIC, VOLUNTEER\_ID, UPPER\_BOUND, LOWER\_BOUND. Seems like we should disregard UNITS column as it is nullable and "java code" based on GOAL\_METRIC.

| FUSION.HWR_VLTR_GOAL_B      |                             |
|-----------------------------|-----------------------------|
| P *                         | GOAL_ID NUMBER (18)         |
|                             | LOWER_BOUND NUMBER          |
|                             | UPPER_BOUND NUMBER          |
| * EFFECTIVE_START_DATE      | DATE                        |
| * EFFECTIVE_END_DATE        | DATE                        |
| * VOLUNTEER_ID              | NUMBER (18)                 |
| * CREATED_BY                | VARCHAR2 (64 CHAR)          |
| * CREATION_DATE             | TIMESTAMP                   |
| * LAST_UPDATED_BY           | VARCHAR2 (64 CHAR)          |
| * LAST_UPDATE_DATE          | TIMESTAMP                   |
| LAST_UPDATE_LOGIN           | VARCHAR2 (32 CHAR)          |
| HWR_VLTR_GOAL_B_PK(GOAL_ID) |                             |
| ◆                           | HWR_VLTR_GOAL_B_U1(GOAL_ID) |

| FUSION.HWR_VLTR_GOAL_TL                |  |
|--|--|
| P *                                    | GOAL_ID NUMBER (10)                    |
|  | GOAL_METRIC VARCHAR2 (50 CHAR)         |
|  | UNITS VARCHAR2 (50 CHAR)               |
|  | FREQUENCY VARCHAR2 (50 CHAR)           |
| P *                                    | LANGUAGE VARCHAR2 (4 CHAR)             |
|  | SOURCE_LANG VARCHAR2 (4 CHAR)          |
| * CREATED_BY                           | VARCHAR2 (64 CHAR)                     |
| * CREATION_DATE                        | TIMESTAMP                              |
| * LAST_UPDATED_BY                      | VARCHAR2 (64 CHAR)                     |
| * LAST_UPDATE_DATE                     | TIMESTAMP                              |
|  | LAST_UPDATE_LOGIN VARCHAR2 (32 CHAR)   |
| HWR_VLTR_GOAL_TL_PK(GOAL_ID, LANGUAGE) |  |
| ◆                                      | HWR_VLTR_GOAL_TL_U1(GOAL_ID, LANGUAGE) |

 FUSION.HWR\_VLTR\_GOAL\_VL

|                      |                |
|----------------------|----------------|
| GOAL_ID              | NUMBER (18)    |
| LOWER_BOUND          | NUMBER         |
| UPPER_BOUND          | NUMBER         |
| EFFECTIVE_START_DATE | DATE (7)       |
| EFFECTIVE_END_DATE   | DATE (7)       |
| VOLUNTEER_ID         | NUMBER (18)    |
| CREATED_BY           | VARCHAR2 (256) |
| CREATION_DATE        | TIMESTAMP(6)   |
| LAST_UPDATED_BY      | VARCHAR2 (256) |
| LAST_UPDATE_DATE     | TIMESTAMP(6)   |
| LAST_UPDATE_LOGIN    | VARCHAR2 (128) |
| GOAL_METRIC          | VARCHAR2 (200) |
| UNITS                | VARCHAR2 (200) |
| FREQUENCY            | VARCHAR2 (200) |

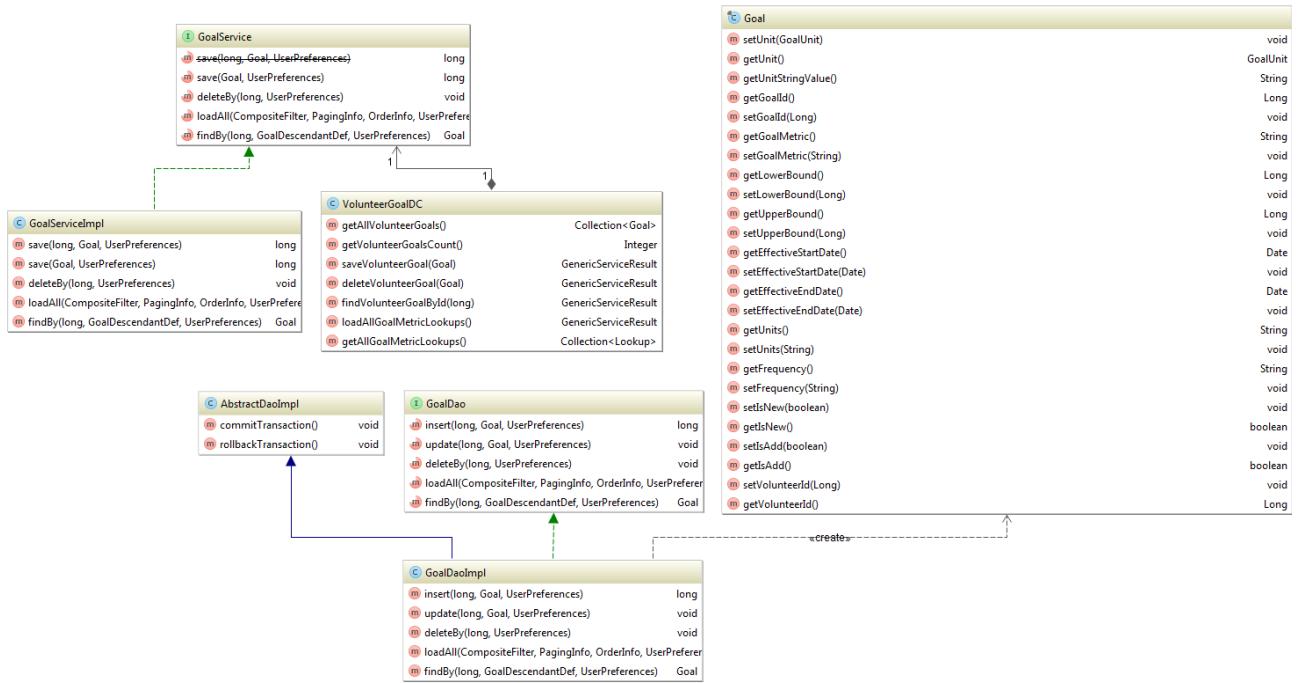
w

### Class diagram

Goals (might be obsolete, per Brian comment in FDD review - "Please disregard old goal model."):

Goal support is already provided. Main classes of interests are:

- oracle.apps.hcm.hhr.volunteering.model.domain.goal.Goal - it includes enum GoalUnit. We're interested in VolunteerHours only. For upper and lower bound of goal we should put the same value entered by user in the goal section of wizard.
- oracle.apps.hcm.hwr.ethelontiis.model.dc.VolunteerGoalDC
- oracle.apps.hcm.hhr.volunteering.appservices.impl.GoalServiceImpl
- oracle.apps.hcm.hhr.volunteering.dataaccess.dao.impl.goal.GoalDaoImpl



## Task flows

Volunteering application entry task flow depend on user type (employee or admin).

|                   |   |   |
|-------------------|---|---|
| User Type         | Employee  | Admin   |
| Task flow name    | EthelontiisMainFlow                                 | EthelontiisMainManageTF                               |
| Task flow Diagram | Bounded Task Flow<br><br><br><b>EthelontiisMain</b> | Bounded Task Flow<br><br><br><b>EthelontiisManage</b> |

## Solution design

This section describes the design of the particular New User Signup sections.

### Causes Page

#### Graphic resources and lookups

All graphics are stored in **images** folder in:

This jar is included in HcmEthelontisUI.war during deployment process.

The relevant images for Causes page are:

| Focus area (cause)        | Image   | Filename                       | FOCUS_AREA Lookup Code    |
|---------------------------|---|--------------------------------|---------------------------|
| Advocacy and Human Rights | <MISSING>   | qual_scales_48_achr.png        | ADVOCACY_AND_HUMAN_RIGHTS |
|                           |   | qual_scales_16_achr.png        |                           |
| Arts and Culture          | <MISSING>   | qual_paintbrush_48_achr.png    | ARTS_AND_CULTURE          |
|                           |   | qual_paintbrush_16_achr.png    |                           |
| Children and Youth        | <MISSING>   | qual_personballoon_48_achr.png | CHILDREN_AND_YOUTH        |
|                           |   | qual_personballoon_16_achr.png |                           |
| Community                 |  | qual_group_48_achr.png         | COMMUNITY                 |
|                           |   | qual_group_16_achr.png         |                           |
| Education and Literacy    | <MISSING>   | qual_book_48_achr.png          | EDUCATION_AND_LITERACY    |
|                           |   | qual_book_16_achr.png          |                           |
| Health and Medicine       | <MISSING>   | qual_medical_48_achr.png       | HEALTH_AND_MEDICINE       |
|                           |   | qual_medical_16_achr.png       |                           |
| Women                     | <MISSING>   | qual_femalesymbol_48_achr.png  | WOMEN                     |
|                           |   | qual_femalesymbol_16_achr.png  |                           |
| Other                     | <MISSING>   | qual_personwave_48_achr.png    | OTHER                     |
|                           |   | qual_personwave_16_achr.png    |                           |

### Locations Page

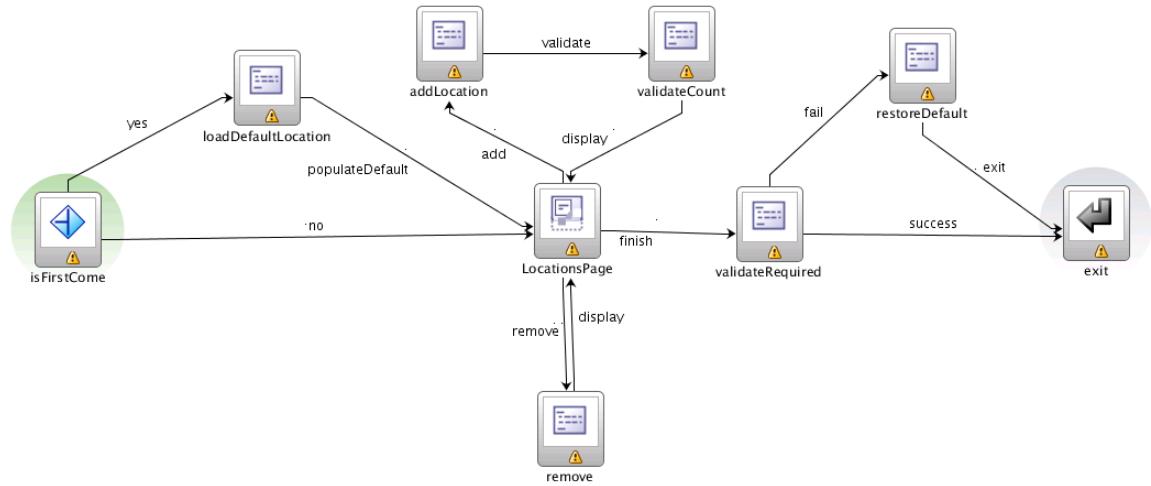
- The following task flow should be called in the "main" New User Signup flow.

### Task flow parameters

| Name       | LocationsSelectionFlow   |        |  |      |           |        |           |    |       |
|------------|--|--------|--|------|-----------|--------|-----------|----|-------|
| Behaviour  | <ul style="list-style-type: none"> <li>Always use existing transaction</li> </ul>  |        |  |      |           |        |           |    |       |
| Parameters | <table border="1"> <thead> <tr> <th>Name</th><th>Mandatory</th><th>Values</th></tr> </thead> <tbody> <tr> <td>firstCome</td><td>no</td><td>&lt;any&gt;</td></tr> </tbody> </table> |        |  | Name | Mandatory | Values | firstCome | no | <any> |
| Name       | Mandatory  | Values |  |      |           |        |           |    |       |
| firstCome  | no   | <any>  |  |      |           |        |           |    |       |
|            |  |        |  |      |           |        |           |    |       |

## Task flow diagram

Bounded Task Flow



## Action items

| Summary                                 | Updated      | Due | Assignee         | Status              |
|---|--------------|-----|------------------|---------------------|
| Request and uptake missing Causes icons | May 30, 2016 |     | Tomasz Tomalak   | TESTING IN PROGRESS |
| Naming convention refactoring           | Jun 17, 2016 |     | Bartek Styrylski | OPEN                |

2 issues

## New User Signup labels

| Status | Type<br>(label or<br>message) | Proposed key                      | English text       | Description  | Requestor         |
|--------|-------------------------------|-----------------------------------|--------------------|--|-------------------|
| ✓      | Label                         | EthelontiisBundle#Header.Causes   | Causes             | Causes train stop header   | Krzysztof Niemiec |
| ✓      | Label                         | EthelontiisBundle#Header.Location | Location           | Location train stop header   | Krzysztof Niemiec |
| ✓      | Label                         | EthelontiisBundle#Header.Goal     | Goal               | Goal train stop header   | Krzysztof Niemiec |
| ✓      | Label                         | EthelontiisBundle#Header.Confirm  | Confirm            | Confirm train stop header  | Krzysztof Niemiec |
| ✓      | Label                         | EthelontiisBundle#OText.Hello     | Hello, {USERNAME}! | First user name display on introduction screen, e.g: "Hello, Linda!" | Lukasz Debiec     |

|                                     |       |   |  |  |                  |
|-------------------------------------|-------|---|--|--|------------------|
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.Welcome                         | Welcome to Volunteering! Sign up now to get involved in volunteering projects and causes that are most important to you. You're just a few clicks away from discovering new ways to engage with colleagues and making a positive impact. | Description text on introduction page.   | Lukasz Debiec    |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Action.SignUp                         | Sign Up  | Sign Up label  | Lukasz Debiec    |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.SetGoals                        | Let's set some personal goals for you.   | Header for personal goals form   | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.GoalForYear                     | Enter the number of hours you would like to volunteer in {YEAR}.   | Label for input text that specifies number of volunteering hours                     | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.InterestedInLeadingProjects     | Are you interested in leading volunteer projects?  | Label for radiobuttons that specify the interest in leading volunteer projects       | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.AgreeWithTerms                  | I agree to the terms above.  | Label for checkbox   | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Next                                | Next   | Label for the button going to the next train stop                                    | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Back.Navigatebacktothepreviouspageo | Back   | Label for the button going to the previous train stop                                | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Cancel                              | Cancel   | Cancel button label  | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Submit.SubmitChanges                | Submit   | Submit button label  | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.LeaderdingProjects.Yes          | Yes!   | Label for radiobutton option that specify the interest in leading volunteer projects | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.LeaderdingProjects.No           | No, thanks.  | Label for radiobutton option that specify the interest in leading volunteer projects | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.GoalHoursFormat                 | Please enter a number from 0 to 8000   | Message for goal hours validation  | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.TellUsWhatCauses                | Tell us what causes you care about.  | Leading text on the sign up causes page  | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.Hint.Causes                     | Note: You can choose 0 or as many causes as you want. We will use your input to suggest volunteers projects that match your interests.   | Explanatory text on the sign up causes page  | Bartek Styrylski |

|                                     |       |   |  |   |                   |
|-------------------------------------|-------|---|--|---|-------------------|
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.VerifyLocationMessage | Verify and update your location.   | First line of description for Location Selection  | Krzysztof Niemiec |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.LocationSelectionNote | Note. We will use your location to recommend volunteer projects that are near you. | Second Line of description for Location Selection | Krzysztof Niemiec |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.AddAnotherLocation    | Add Another  | Button name for adding another location           | Krzysztof Niemiec |

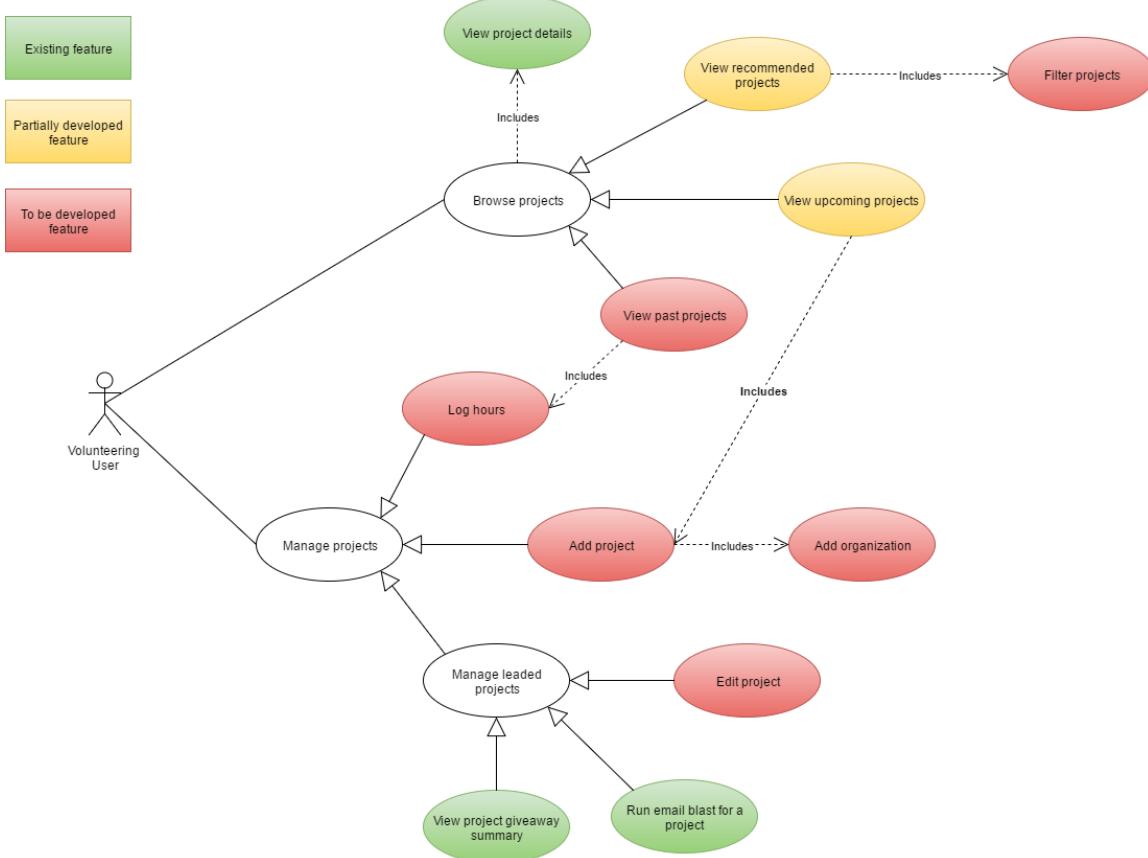
## Implement Project List and Search

- 1 Functional Design Document
- 2 Use cases
- 3 Technical design
  - 3.1 Current implementation
  - 3.2 Solution design
    - 3.2.1 Backend APIs
    - 3.2.2 Recommended projects API
    - 3.2.3 CreateNewProjectTaskFlow design
    - 3.2.4 EditProjectTaskFlow design
  - 3.3 Action items

## Functional Design Document

<http://review.us.oracle.com/review2/Review.html#reviewId=293195;scope=document;status=open,fixed,closed;documentId=1345310>

## Use cases



## Technical design

### Current implementation

The purpose of this section is to picture the components which are relevant or need to be supplemented with new functionality

## Solution design

The purpose of this section is to picture the design of new functionality

### Backend APIs

| Use case                                     | API  | Comments  | Details  |
|--|--|---|--|
| View recommended projects<br>Filter projects | ProjectService#loadAllRecommendedProjects                          | We need a new or overloaded method that will accept all the available filters including radius search.  |  <b>TLEOSMORG-397</b> - [research] verify API/model readiness <b>CLOSED</b><br><br> <b>TLEOSMORG-399</b> - JIRA project doesn't exist or you don't have permission to view it. |
| View upcoming projects                       | MyVolunteerDashboardService#loadAllUpcomingVolunteeredProjects     |   |  <b>TLEOSMORG-397</b> - [research] verify API/model readiness <b>CLOSED</b>  |
| View past projects                           | MyVolunteerDashboardService#loadAllPastVolunteeredProjects         |   |  <b>TLEOSMORG-397</b> - [research] verify API/model readiness <b>CLOSED</b>   |
| Log hours                                    | ActivityService#save   |   |  <b>TLEOSMORG-401</b> - [research] log hours API <b>CLOSED</b>  |
| Add project                                  | ProjectService#save (ProjectService#submit, ProjectService#accept) | We need a new API to store schedule project information. Project/ProjectWorkSchedule domain object should include following fields:<br><br>-> Repeat (e.g weekly (drop down list))<br><br>-> Every (e.g two weeks(drop down list))<br><br>-> Never (boolean)<br><br>-> endDate<br><br>-> many times (integer)<br><br><br>We also need one to many new Contact Information relationship (see below details). |  <b>TLEOSMORG-396</b> - [Research] Verify API/model readiness <b>CLOSED</b>   |

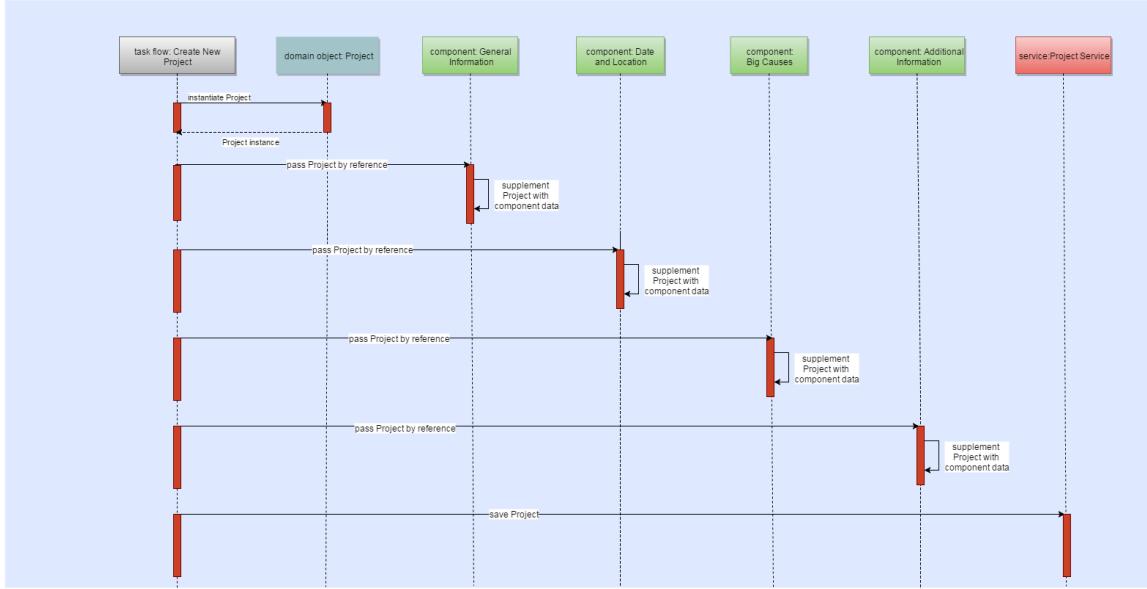
|                  |   |  |   |
|------------------|---|--|---|
| Add organization | OrganizationService#save (OrganizationService#submit, OrganizationService#accept) | <p>We need a new API to store contact information. According FDD it requires one to many relation between "Organization" and "new object"</p> <p>"new object" should include following fields:</p> <ul style="list-style-type: none"> <li>-&gt; Contact Title</li> <li>-&gt; Contact Name</li> <li>-&gt; Contact Email</li> <li>-&gt; Contact Phone</li> <li>-&gt; Website</li> <li>-&gt; Contact Fax</li> <li>-&gt; Address</li> </ul> <p>or we can use current "Address" object (correct relation is available) but it requires adding new fields : Contact Title, Contact Name, Contact Email, Contact Phone, Website, Contact Fax</p> <p>Moreover following fields should be deprecated for Organization domain object : contactTitle, contactFirstName, contactLastName, contactEmail, contactPhone, website, contactFax.</p> |  <b>TLEOSMORG-</b><br><b>396</b> - [Research] Verify API/model readiness<br><span style="background-color: green; color: white; padding: 2px;">CLOSED</span>   |
| Edit project     | VolunteerSubscribeToProjectManagedBean#openViewOrEditProjectTF                    |  |  <b>TLEOSMORG-</b><br><b>396</b> - [Research] Verify API/model readiness<br><span style="background-color: green; color: white; padding: 2px;">CLOSED</span> |

### Recommended projects API

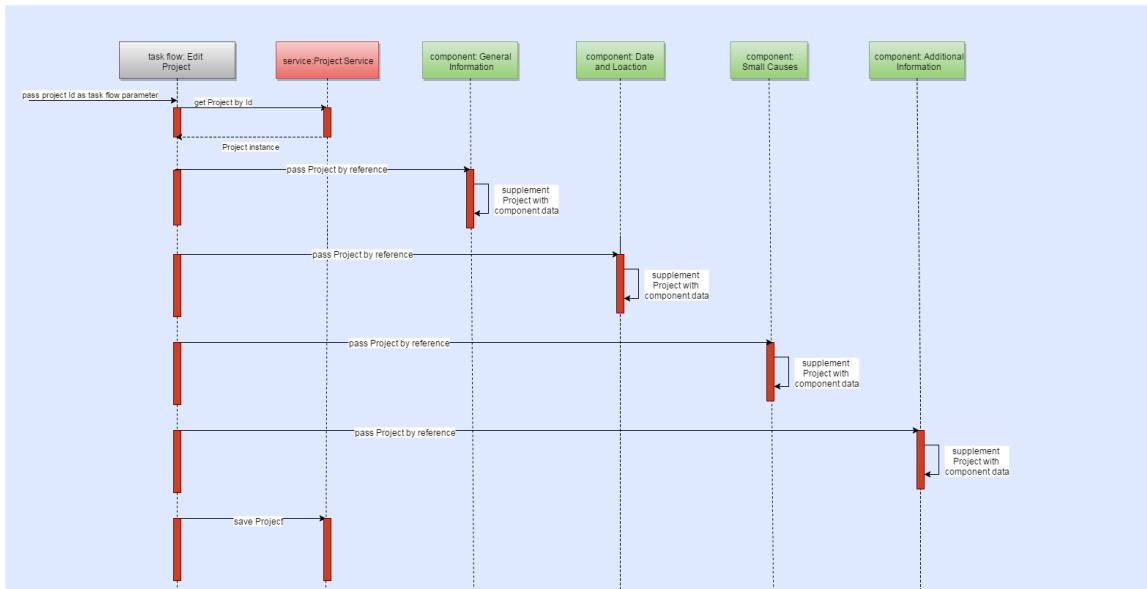
| Filter field                | Field type         | Criteria pseudocode   | Comments   |
|-----------------------------|--------------------|---|--|
| Project / organization name | freetext           | ProjectTableDefinition.PROJECT_NAME SimpleFilter.CRIT_TYPE_CONTAIN value CompositeFilter.OP_TYPE_OR ProjectTableDefinition.ORGANIZATION_NAME SimpleFilter.CRIT_TYPE_CONTAIN value |  |
| Location                    | freetext           | Project's location lat/long within radius_value radius from the lat/long of location_value  | Requires lat/long for specified location and project's location                    |
| Causes                      | multiple selection | for each value (CompositeFilter.OP_TYPE_OR) ProjectTableDefinition.AREAS_OF_INTEREST SingleValueFilter.CRIT_TYPE_CONTAIN value  | We'll see if we need to somehow intersect it with user's causes.                   |
| Location search radius      | single selection   | N/A   | See Location filter, this will be just specific radius instead of some default one |
| Organization                | single selection   | ProjectTableDefinition.ORGANIZATION_ID SimpleFilter.CRIT_TYPE_EQUAL value   |  |

Above criteria joined via `CompositeFilter.OP_TYPE_AND`

### CreateNewProjectTaskFlow design



### EditProjectTaskFlow design



### Action items

| Summary                                  | Updated      | Due          | Assignee           | Status                  |
|--|--------------|--------------|--------------------|-------------------------|
| Create Train Wizzard skeleton            | Jul 08, 2016 | Jun 10, 2016 | Tomasz Pedziwiatr  | DELIVERED               |
| Implement General Information Section    | Jul 08, 2016 |              | Tomasz Pedziwiatr  | DEVELOPMENT IN PROGRESS |
| Implement Additional Information Section | Jun 17, 2016 |              | Aleksander Kamczyc | DEVELOPMENT IN PROGRESS |
| Implement Add Organization Popup         | Jul 08, 2016 |              | Tomasz Pedziwiatr  | DELIVERED               |
| Create Edit Project page skeleton        | Jun 24, 2016 | Jun 10, 2016 | Tomasz Pedziwiatr  | CODE REVIEW IN PROGRESS |
| Create popup skeleton                    | Jun 06, 2016 | Jun 10, 2016 | Tomasz Pedziwiatr  | OPEN                    |
| Implement geosearch                      | Aug 02, 2016 |              | Aleksander Kamczyc | OPEN                    |

7 issues

## New Project list and search labels

| Status | Type (label or message) | Proposed key | English text                           | Description  | Requestor       |
|--------|-------------------------|--------------|--|--|-----------------|
|        | Label                   |              | Create Project: Additional Information | Header for additional info page                                  | Artur Sergeyean |
|        | Label                   |              | Benefits                               | Title for benefits section in additional info page               | Artur Sergeyean |
|        | Label                   |              | More information about this project    | Header for additional info page                                  | Artur Sergeyean |
|        | Label                   |              | Other                                  | label for other benefits checkbox in additional info page        | Artur Sergeyean |
|        | Label                   |              | Volunteer Specifications               | title for volunteer Specifications section additional info page  | Artur Sergeyean |
|        | Label                   |              | Minimum Participants Number            | label for min participants number filed in additional info page  | Artur Sergeyean |
|        | Label                   |              | Maximum Participants Number            | label for max participants number filed in additional info page  | Artur Sergeyean |
|        | Label                   |              | Guests Per Participant                 | label for 'gusets per participant' filed in additional info page | Artur Sergeyean |
|        | Label                   |              | Minimum Age Requirement                | label for minimum age filed in additional info page              | Artur Sergeyean |
|        | Label                   |              | Items To Bring                         | label for 'items to bring' filed in additional info page         | Artur Sergeyean |
|        | Label                   |              | Contact Information                    | title for contact information section in additional info page    | Artur Sergeyean |
|        | Label                   |              | Contact Title                          | label for contact title filed in additional info page            | Artur Sergeyean |
|        | Label                   |              | Contact Name                           | label for contact name filed in additional info page             | Artur Sergeyean |
|        | Label                   |              | Contact Email                          | label for contact email filed in additional info page            | Artur Sergeyean |
|        | Label                   |              | Address Type                           | label for contact address type filed in additional info page     | Artur Sergeyean |
|        | Label                   |              | Contact Phone                          | label for contact phone filed in additional info page            | Artur Sergeyean |
|        | Label                   |              | Website                                | label for website filed in additional info page                  | Artur Sergeyean |
|        | Label                   |              | Contact Fax                            | label for contact fax filed in additional info page              | Artur Sergeyean |
|        | Label                   |              | Address                                | label for contact address filed in additional info page          | Artur Sergeyean |
|        | Label                   |              | Filters                                | title for filtering preferences                                  | Artur Sergeyean |
|        | Label                   |              | Hide Filters                           | label for the hide filter command link                           | Artur Sergeyean |
|        | Label                   |              | Reset                                  | label for the reset filter command link                          | Artur Sergeyean |
|        | Label                   |              | Causes                                 | title for causes section in filtering preferences                | Artur Sergeyean |
|        | Label                   |              | Search Radius (mi)                     | label for search radius preference in filtering options          | Artur Sergeyean |

|  |       |  |              |  |                   |
|--|-------|--|--------------|--|-------------------|
|  | Label |  | Organization | label for organization preference in filtering options | Artur<br>Sergeyan |
|--|-------|--|--------------|--|-------------------|

link

## Implement Project swag aggregation

- 1
- 2 Functional Design Document
  - 2.1 Conceptual Giveaway Summary layout mock up
- 3 Use cases
  - 3.1 View giveaway summary
    - 3.1.1 Scenario 1 (basic)
    - 3.1.2 Scenario 2 (summary availability from project list)
    - 3.1.3 Scenario 3 (summary availability from project details)
- 4 Technical design
  - 4.1 Current implementation
    - 4.1.1 Database schema
    - 4.1.2 Class diagram
    - 4.1.3 Task flows
      - 4.1.3.1 ProjectsListTaskFlow
      - 4.1.3.2 ProjectSubscribeTF
  - 4.2 Solution design
    - 4.2.1 Lookups
    - 4.2.2 Backend API
    - 4.2.3 UI layer
      - 4.2.3.1 Prerequisites
      - 4.2.3.2 Activity diagram
  - 4.3 Action items

## Functional Design Document

[http://review.us.oracle.com/review2/Review.html#reviewId=284840;scope=document;status=open,fixed;documentId=1207319;fragment=\\_Toc323128159](http://review.us.oracle.com/review2/Review.html#reviewId=284840;scope=document;status=open,fixed;documentId=1207319;fragment=_Toc323128159)

## Conceptual Giveaway Summary layout mock up

#### Oracle Volunteers T-Shirt

|                        | Male Small   | Male Medium   | Male Large   | Male X Large   | Male XX Large   |
|------------------------|--------------|---------------|--------------|----------------|-----------------|
| Number of participants | 1            | 2             | 3            | 4              | 5               |
|                        | Female Small | Female Medium | Female Large | Female X Large | Female XX Large |
| Number of participants | 6            | 7             | 8            | 9              | 10              |

#### Dinner Provided

| Number of participants |
|------------------------|
| 11                     |

#### Free Admission

| Number of participants |
|------------------------|
| 11                     |

#### Other custom benefit

| Number of participants |
|------------------------|
| 11                     |

#### Use cases



#### View giveaway summary

In order to monitor demand for project benefits

As a Volunteering Project Leader

I want to view giveaway summary information

| <b>Scenario 1 (basic)</b>  | <b>Scenario 2<br/>(summary availability from project list)</b>  | <b>Scenario 3<br/>(summary availability from project details)</b>   |
|--|---|---|
| <p><b>Given</b> a project is created with some benefits</p> <p><b>And</b> the project is approved</p> <p><b>And</b> user is the project leader</p> <p><b>When</b> user takes "Giveaway summary" action</p> <p><b>Then</b> giveaway summary page should be displayed</p> <p><b>And</b> figures summarizing how many volunteered project participants (volunteers and potentially their guests) chose given benefit should be displayed, in particular per gender/size should be displayed for t-shirt benefit and number of project participants should be displayed for other benefits</p> | <p><b>Given</b> a project is created with any benefit</p> <p><b>And</b> the project is approved</p> <p><b>And</b> user is the project leader</p> <p><b>When</b> user views project on the project list</p> <p><b>Then</b> "Giveaway summary" action should be available in the action drop down</p> | <p><b>Given</b> a project is created with any benefit</p> <p><b>And</b> the project is approved</p> <p><b>And</b> user is the project leader</p> <p><b>When</b> user views project details</p> <p><b>Then</b> "Giveaway summary" action should be available in the action drop down</p> |

## Technical design

### Current implementation

The purpose of this section is to picture the components which are relevant or need to be supplemented with new functionality

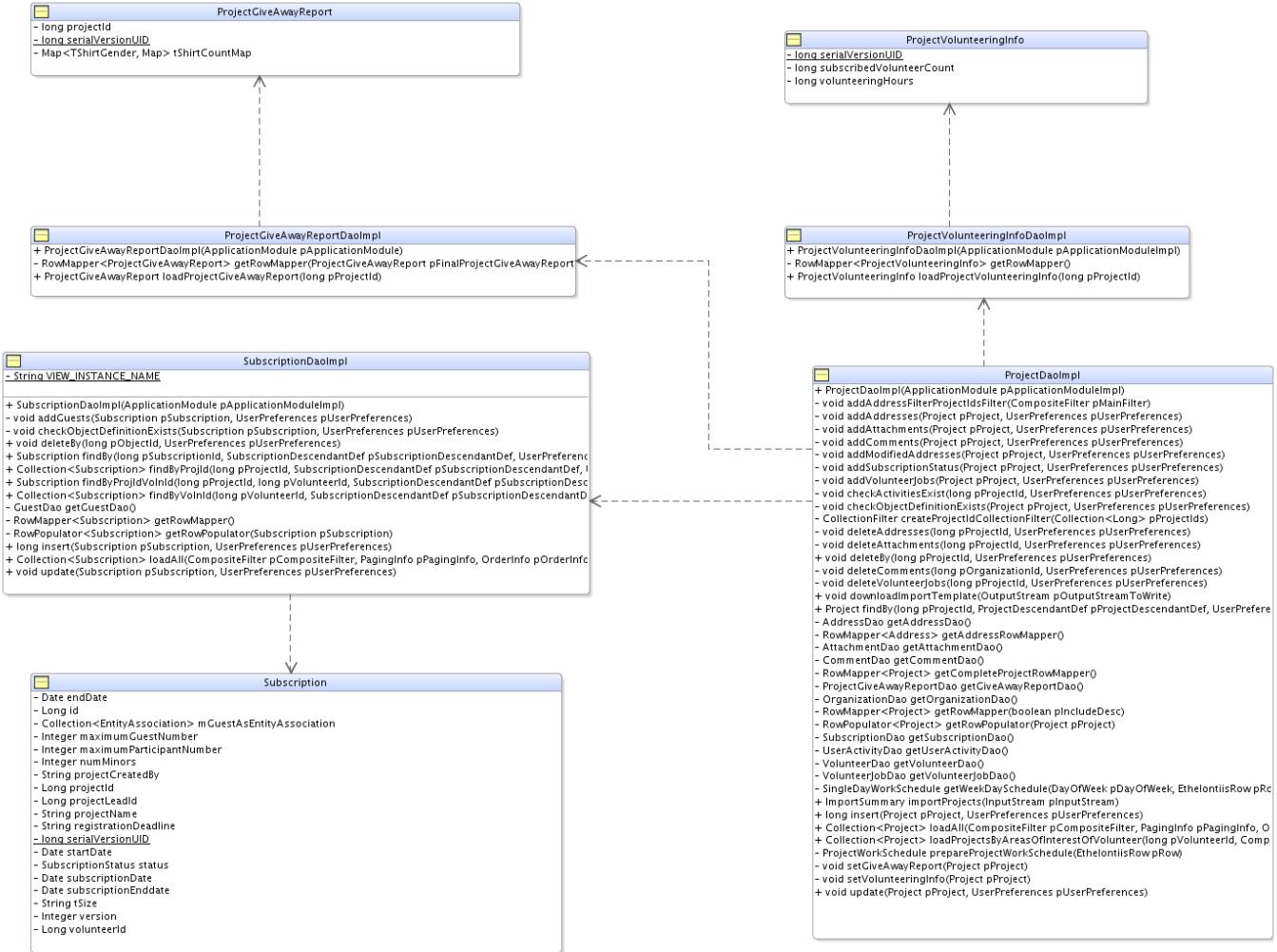
### Database schema

| WorkforceReputation<br>HWR_VLTR_PROJECT_TL        |  |
|---|--|
| PROJECT_ID : NUMBER(18)                           |  |
| PROJECT_NAME : VARCHAR2(100)                      |  |
| PROJECT_DESCRIPTION : VARCHAR2(4000)              |  |
| FOCUS_AREA : VARCHAR2(100)                        |  |
| PARTICIPANT_SKILL_REQUIREMENTS : VARCHAR2(4000)   |  |
| ITEMS_TO_BE_BROUGHT : VARCHAR2(4000)              |  |
| ITEMS_TO_BE_SUPPLYED : VARCHAR2(4000)             |  |
| PARTICIPANT_BENEFITS : VARCHAR2(4000)             |  |
| OTHER_PARTICIPANT_BENEFITS : VARCHAR2(4000)       |  |
| CONTACT_FIRST_NAME : VARCHAR2(100)                |  |
| CONTACT_LAST_NAME : VARCHAR2(100)                 |  |
| LANGUAGE : VARCHAR2(4)                            |  |
| SOURCE_LANG : VARCHAR2(4)                         |  |
| CREATED_BY : VARCHAR2(64)                         |  |
| CREATION_DATE : TIMESTAMP                         |  |
| LAST_UPDATED_BY : VARCHAR2(64)                    |  |
| LAST_UPDATE_DATE : TIMESTAMP                      |  |
| LAST_UPDATE_LOGIN : VARCHAR2(32)                  |  |
| CONTACT_TITLE : VARCHAR2(100)                     |  |
| ADDITIONAL_PROJECT_DETAILS : VARCHAR2(4000)       |  |
| DIRECTIONS_TO_WORK_SITE : VARCHAR2(4000)          |  |
| «PK» HWR_VLTR_PROJECT_TL_PK: PROJECT_ID, LANGUAGE |  |
| «FK» HWR_VLTR_PROJECT_TL_FK1: PROJECT_ID          |  |
| HWR_VLTR_PROJECT_TL_U2: PROJECT_ID, LANGUAGE      |  |

| WorkforceReputation<br>HWR_VLTR_VOL_PROJ_REL_B |  |
|--|--|
| ID : NUMBER(18)                                |  |
| VOLUNTEER_ID : NUMBER(18)                      |  |
| PROJECT_ID : NUMBER(18)                        |  |
| NUM_MINORS : NUMBER(4)                         |  |
| T_SIZE : VARCHAR2(20)                          |  |
| SUBSCRIPTION_DATE : TIMESTAMP                  |  |
| SUBSCRIPTION_ENDDATE : TIMESTAMP               |  |
| VERSION : NUMBER(10)                           |  |
| CREATED_BY : VARCHAR2(64)                      |  |
| CREATION_DATE : TIMESTAMP                      |  |
| LAST_UPDATED_BY : VARCHAR2(64)                 |  |
| LAST_UPDATE_DATE : TIMESTAMP                   |  |
| LAST_UPDATE_LOGIN : VARCHAR2(32)               |  |
| «PK» HWR_VLTR_VOL_PROJ_REL_B_PK: ID            |  |
| HWR_VLTR_VOL_PROJ_REL_U1: ID                   |  |

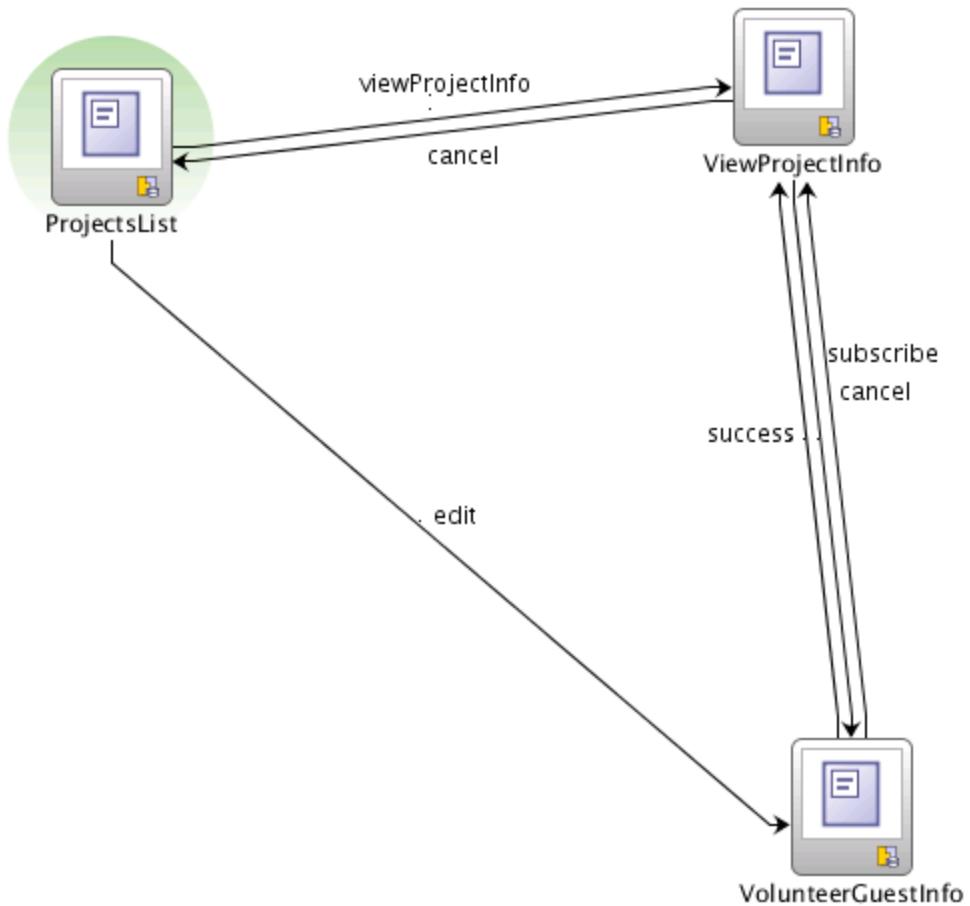
| WorkforceReputation<br>HWR_VLTR_PROJECT_GUEST_B               |  |
|---|--|
| GUEST_ID : NUMBER(18)   |  |
| PROJECT_ID : NUMBER(18)                                       |  |
| VOLUNTEER_ID : NUMBER(18)                                     |  |
| T_SIZE : VARCHAR2(20)   |  |
| CREATED_BY : VARCHAR2(64)                                     |  |
| CREATION_DATE : TIMESTAMP                                     |  |
| LAST_UPDATED_BY : VARCHAR2(64)                                |  |
| LAST_UPDATE_DATE : TIMESTAMP                                  |  |
| LAST_UPDATE_LOGIN : VARCHAR2(32)                              |  |
| «PK» HWR_VLTR_PROJECT_GUEST_B_PK: GUEST_ID, PROJECT_ID, VOLUN |  |
| HWR_VLTR_PROJECT_GUEST_B_U1: GUEST_ID, PROJECT_ID, VOLUN      |  |

### Class diagram

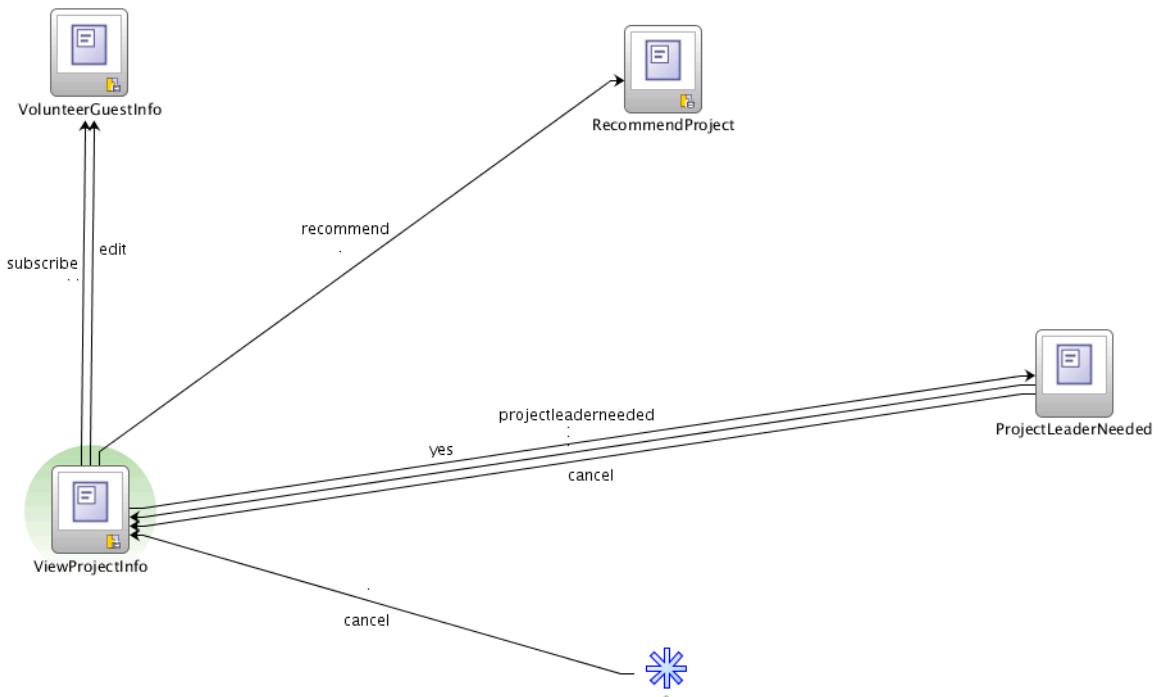


## Task flows

### ProjectsListTaskFlow



ProjectSubscribeTF



## Solution design

### Lookups

| Lookup type          | Lookup code              | Meaning                            |
|----------------------|--------------------------|------------------------------------|
| TSHIRT_SIZE          | FEMALE_SMALL             | Small t-shirt size                 |
|                      | MALE_SMALL               |                                    |
|                      | FEMALE_MEDIUM            | Medium t-shirt size                |
|                      | MALE_MEDIUM              |                                    |
|                      | FEMALE_LARGE             | Large t-shirt size                 |
|                      | MALE_LARGE               |                                    |
|                      | FEMALE_X_LARGE           | Extra large t-shirt size           |
|                      | MALE_X_LARGE             |                                    |
|                      | FEMALE_XX_LARGE          | Extra-extra large t-shirt size     |
|                      | MALE_XX_LARGE            |                                    |
| <hr/>                |                          |                                    |
| PARTICIPANT_BENEFITS | BREAKFAST_PROVIDED       | Breakfast Provided                 |
|                      | LUNCH_PROVIDED           | Lunch Provided                     |
|                      | REFRESHMENTS_PROVIDED    | Refreshments Provided              |
|                      | DINNER_PROVIDED          | Dinner Provided                    |
|                      | FREE_ADMISSION           | Free Admission                     |
|                      | ORACLE_VOLUNTEERS_TSHIRT | Oracle Volunteers T-Shirt          |
|                      | OTHER                    | Custom benefit chosen by volunteer |

### Backend API

| Class                        | Method signature   | Description   |
|------------------------------|--|---|
| ProjectGiveawaySummaryReport | Map<String, Long><br>getTShirtCountPerLookupCode( )        | Returns number of volunteers (map entry value) per t-shirt size (map key).<br>T-shirt size is represented as lookup code of type PAR.<br>All possible lookup values are listed <a href="#">here</a> |
| ProjectGiveawaySummaryReport | Map<String, Long><br>getOtherBenefitsCountPerLookupCode( ) | Returns number of volunteers and volunteers' guess t-shirts.<br>Benefit is represented as lookup code of type PAR.<br>All possible lookup values are listed <a href="#">here</a>                    |

|               |  |  |
|---------------|--|--|
| LookupService | <pre>Collection&lt;Lookup&gt; loadAllLookups(CompositeFilter pCompositeFilter, PagingInfo pPagingInfo, OrderInfo pOrderInfo, UserPreferences pUserPreferences)</pre> | <p>Loads all lookups available in Ethelontiis applicat</p> <p>To filter by particular lookup type use:</p> <div style="border: 1px dashed blue; padding: 10px;"> <pre>CompositeFilter myCompFi; SingleValueFilter mySVF; mySVF.setKey("LookupType"); mySVF.setValue(&lt;LOOKUP_TYPE&gt;); mySVF.setDataType(SingleValueFilter.DataType.STRING); mySVF.setOperation(SingleValueFilter.Operation.EQUAL); myCompFilter.add(mySVF);  mLookupService.loadAllLookups(myCompFilter);</pre> </div> |
| Project       | <pre>String getOtherParticipantBenefits()</pre>  | Returns name of the custom benefit of type <i>Project</i>  |
| Project       | <pre>Collection&lt;Project.ParticipantBenefit&gt; getParticipantBenefits()</pre>   | Returns benefits assigned to project   |
| Lookup        | <pre>String getDisplayText()</pre>   | Returns translated lookup value  |

## UI layer

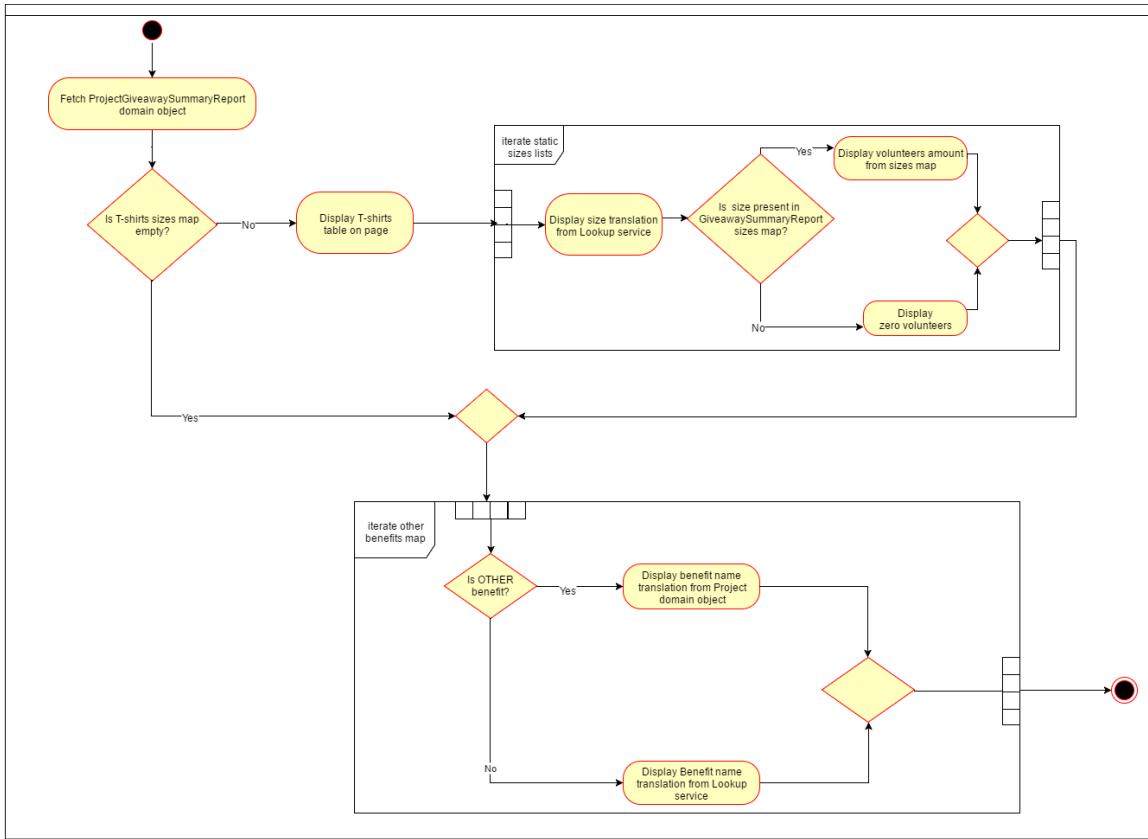
UI layer is responsible for rendering the list of volunteers' amounts per benefits given to project's volunteers as specified [here](#), using backend API provided.

Diagram below pictures the required steps and business constraints.

### Prerequisites

- UI defines two static lists containing male and female t-shirt sizes lookup codes ordered from smallest size to the biggest. All values that have to be included are listed [here](#) (Lookup type=TSHIRT\_SIZE)

### Activity diagram



## Action items

| Summary | Updated | Due | Assignee | Status |
|---------|---------|-----|----------|--------|
|---------|---------|-----|----------|--------|

No issues found

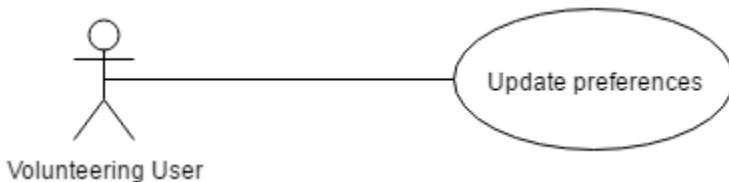
## Implement Update Preference Page

- 1
- 2 Functional Design Document
- 3 Use cases
- 4 Technical design
  - 4.1 Current implementation
  - 4.2 Solution design
  - 4.3 Action items

## Functional Design Document

<http://review.us.oracle.com/review2/Review.html#reviewId=293195;scope=document;status=open,fixed,closed;documentId=1332838>

## Use cases



## Technical design

### Current implementation

The purpose of this section is to picture the components which are relevant or need to be supplemented with new functionality

### Solution design

The purpose of this section is to picture the design of new functionality

### Action items

| Summary   | Updated      | Due | Assignee         | Status      |
|---|--------------|-----|------------------|-------------|
| Provide API to set focus on particular input fields | Jul 15, 2016 |     | Anatoli Putseyeu | TECH DESIGN |

1 issue

### New Update Preference labels

| Status                  | Type (label or message) | Proposed key               | English text                  | Description  | Requestor       |
|-------------------------|-------------------------|----------------------------|-------------------------------|--|-----------------|
| pushed to R12featuredev | Header                  | Header.UpdatePreference    | Update Preference             | Main header on update preference page                  | Wojciech Piekaj |
| pushed to R12featuredev | Header                  | Header.UpdateCauses        | Update causes you care about. | Subheader for causes on update preference page         | Wojciech Piekaj |
| pushed to R12featuredev | Header                  | Header.UpdateLocation      | Update your location.         | Subheader for location on update preference page       | Wojciech Piekaj |
| pushed to R12featuredev | Header                  | Header.UpdatePersonalGoals | Update personal goals.        | Subheader for personal goals on update preference page | Wojciech Piekaj |

### Implement Wizard to capture volunteering experience

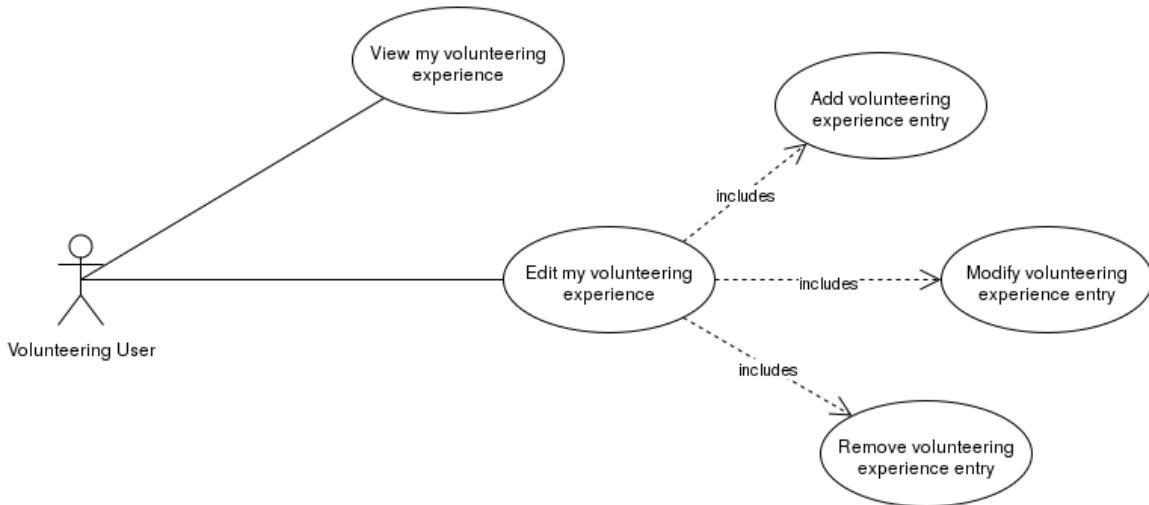
- 1 Functional Design Document
- 2 Use cases
  - 2.1 View my volunteering experience
    - 2.1.1 Scenario 1 (basic)
    - 2.1.2 Scenario 2 (no experience)
  - 2.2 Edit my volunteering experience
    - 2.2.1 Scenario 1 (basic)
    - 2.2.2 Scenario 2 (cancel)
    - 2.2.3 Scenario 3 (required fields validation)
    - 2.2.4 Scenario 4 (dates validation)
    - 2.2.5 Scenario 5 (edit screen)
- 3 Technical design
  - 3.1 Current implementation

- 3.1.1 Relevant components
- 3.1.2 Relevant interactions
- 3.1.3 EthelontiisProfileMainTF task flow
- 3.2 Solution design
  - 3.2.1 Database changes
  - 3.2.2 ADF BC changes
  - 3.2.3 Volunteer Experience ADF Task flow design
- 3.3 Action items

## Functional Design Document

[http://review.us.oracle.com/review2/Review.html#reviewId=284840;scope=document;status=open,fixed;documentId=1207321;fragment=\\_Toc323128159](http://review.us.oracle.com/review2/Review.html#reviewId=284840;scope=document;status=open,fixed;documentId=1207321;fragment=_Toc323128159)

### Use cases



#### View my volunteering experience

In order to gather my volunteering experience in Volunteering application

As a Volunteering User

I want to view my volunteering experience

#### Scenario 1 (basic)

Given some experience entries were entered by the user

When user accesses her Volunteering user profile

Then Experience section should be visible

And all previously entered volunteering experience entries for the user should be visible ordered by start date with most recent entries on top

#### Scenario 2 (no experience)

Given no experience entries were entered by the user

When user accesses her Volunteering user profile

Then Experience section should not be visible at all

#### Edit my volunteering experience

In order to gather my volunteering experience in Volunteering application

As a Volunteering User

I want to edit my volunteering experience

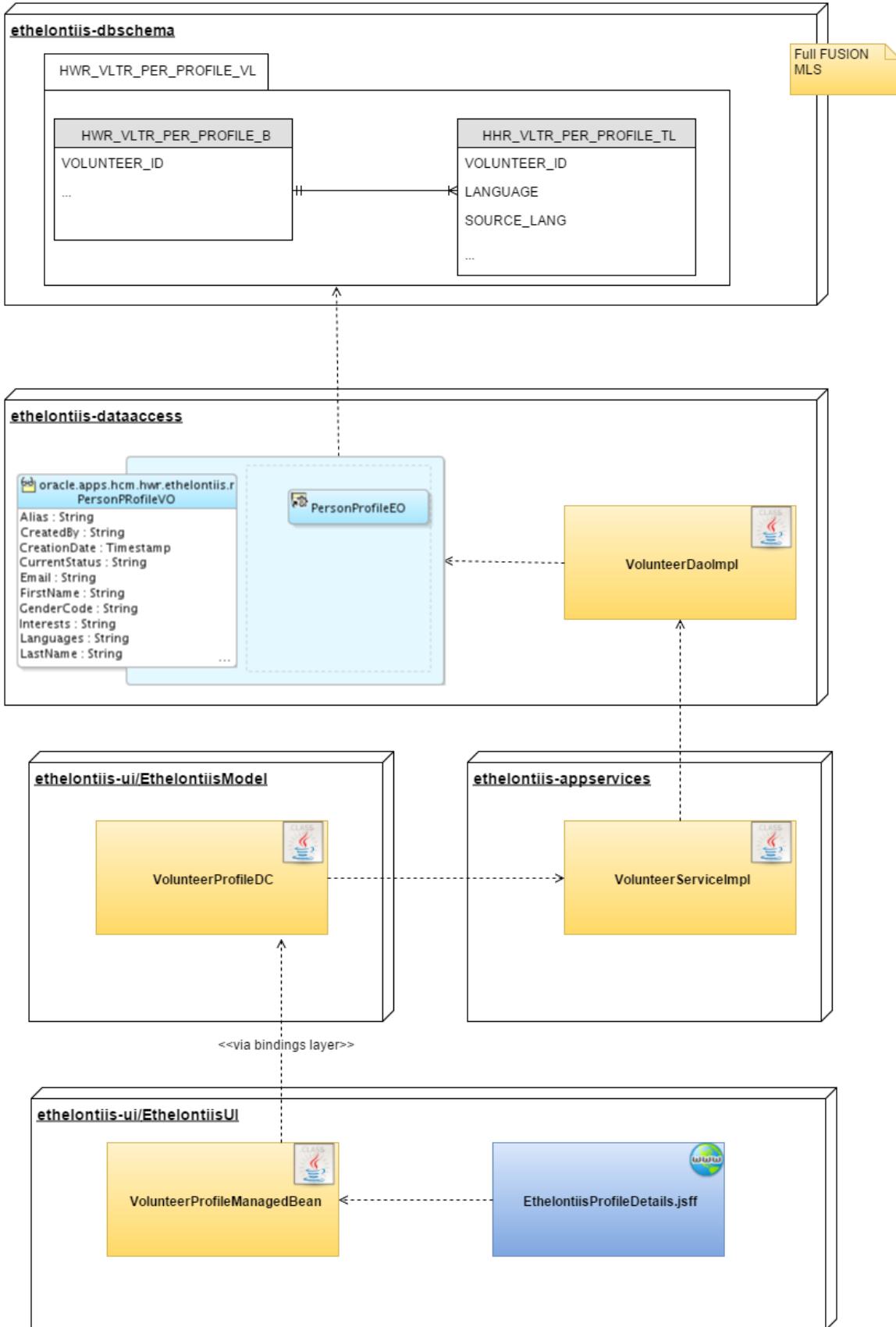
|  |   |  |
|--|---|--|
| <p><b>Scenario 1 (basic)</b></p> <p><b>Given</b> user properly sets up her experience entries (using add/remove/modify functions)</p> <p><b>When</b> user clicks "Save"</p> <p><b>Then</b> all the entries should be persisted and <b>visible</b> on view profile page</p>                               | <p><b>Scenario 2 (cancel)</b></p> <p><b>Given</b> user modifies her experience entries (using add/remove/modify functions)</p> <p><b>When</b> user clicks "Cancel"</p> <p><b>Then</b> no changes should be persisted nor <b>visible</b> on view profile page</p>  | <p><b>Scenario 3 (required fields validation)</b></p> <p><b>Given</b> user adds an experience entry but doesn't type in organization or role or start date or end date information (without present experience box checked)</p> <p><b>When</b> user clicks "Save"</p> <p><b>Then</b> validation should indicate that required information is missing and should keep user on the edit page</p> |
| <p><b>Scenario 4 (dates validation)</b></p> <p><b>Given</b> user adds an experience entry and filled end date that is before start date</p> <p><b>When</b> user clicks "Save"</p> <p><b>Then</b> validation should indicate that end date is before start date and should keep user on the edit page</p> | <p><b>Scenario 5 (edit screen)</b></p> <p><b>Given</b> some experience entries were <b>entered</b> by the user</p> <p><b>When</b> user accesses Edit Profile page</p> <p><b>Then</b> edit page should be prepopulated with previously <b>entered</b> experience entries ordered by start date with most recent items on top</p> |  |

## Technical design

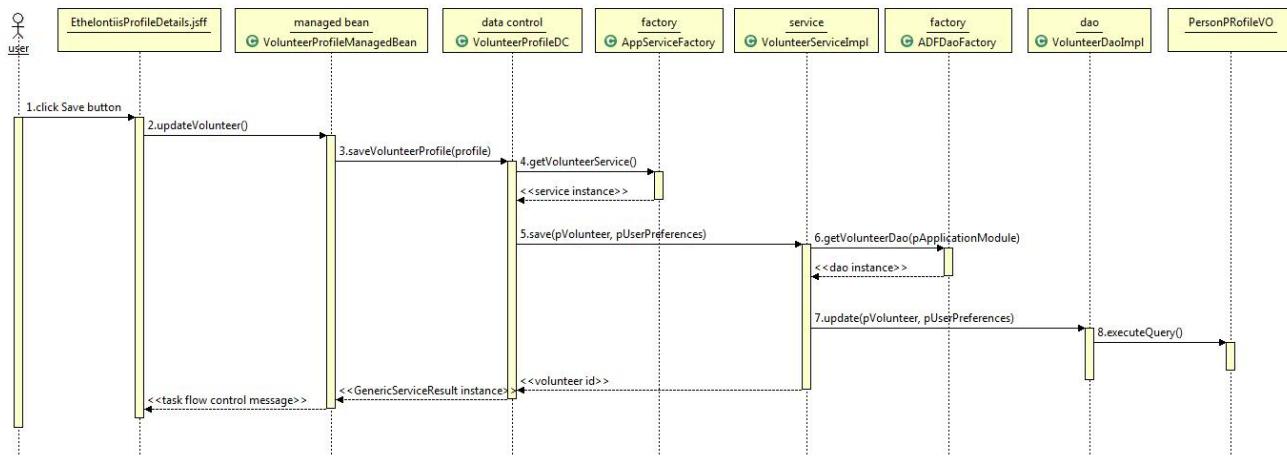
### Current implementation

The purpose of this section is to picture the components which need to be supplemented with new functionality

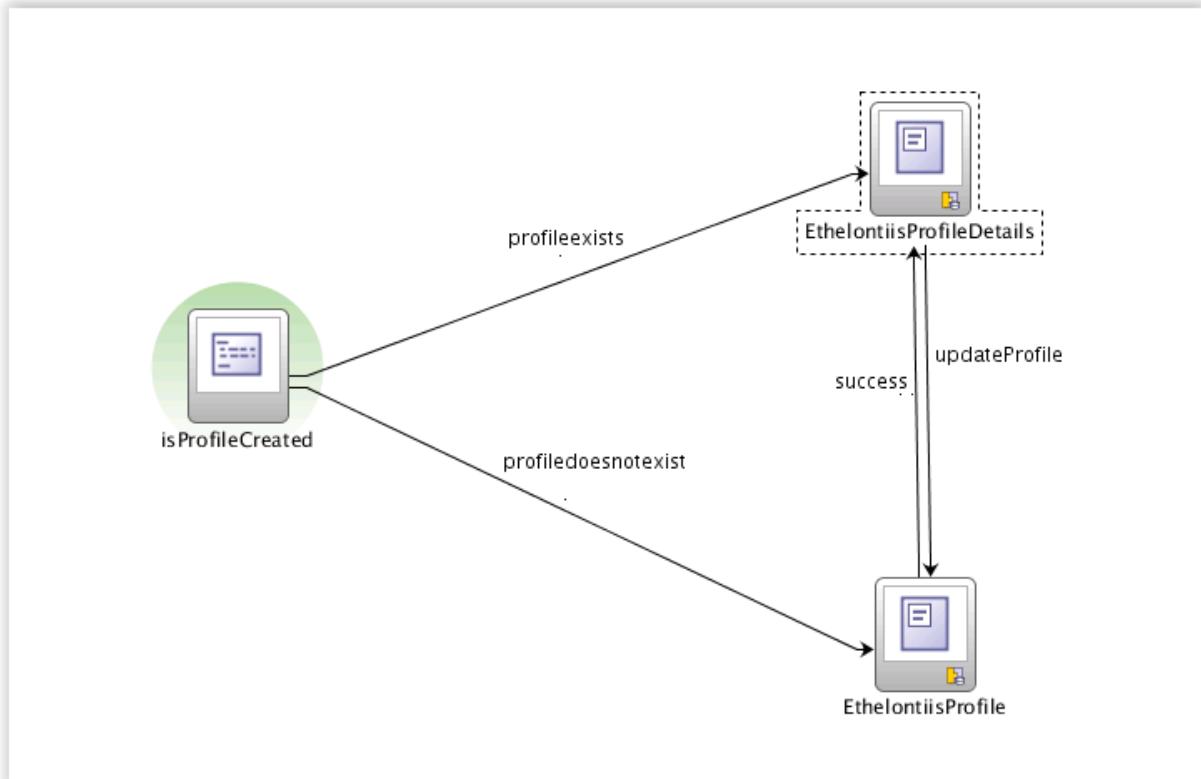
### Relevant components



**Relevant interactions**

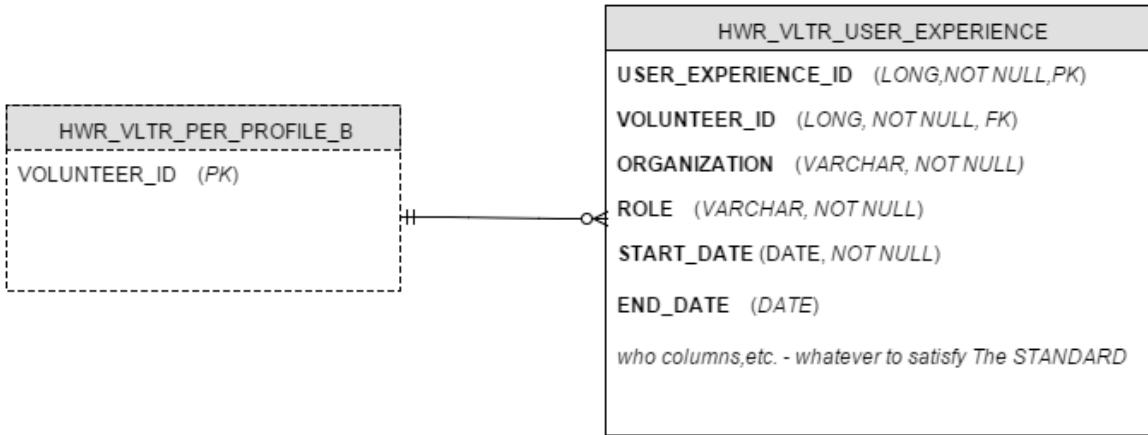


**EthelontiisProfileMainTF task flow**

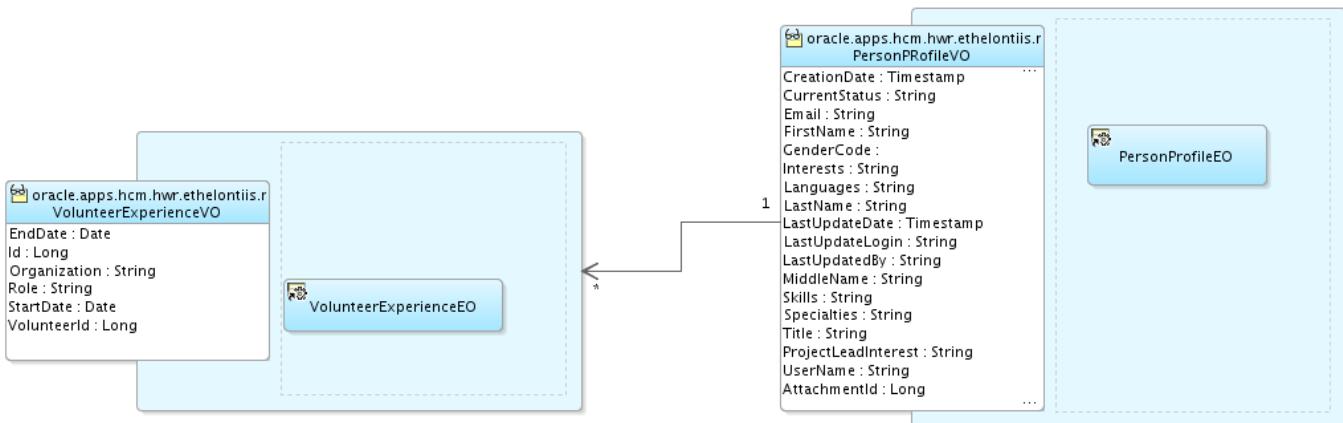
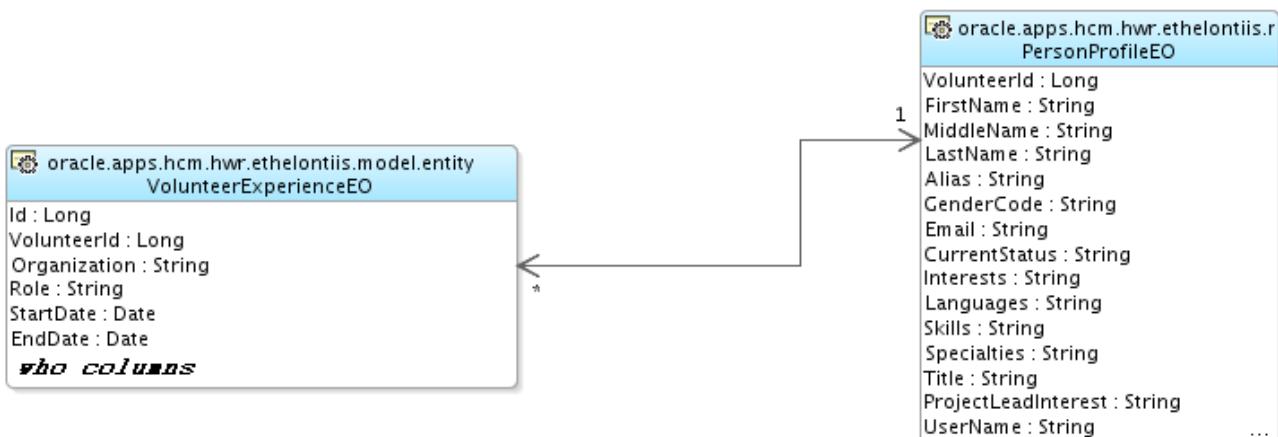


## Solution design

### Database changes

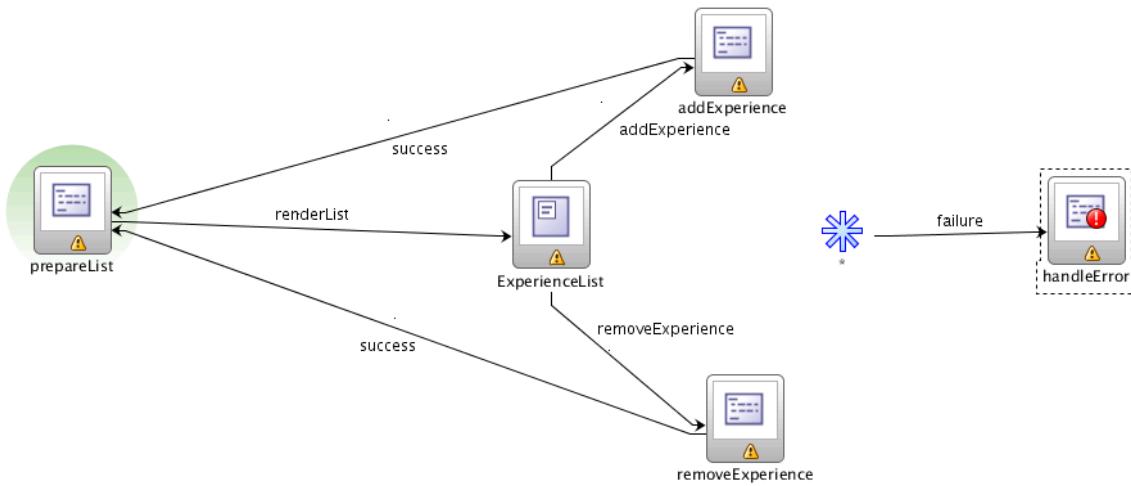


### ADF BC changes



### Volunteer Experience ADF Task flow design

## Bounded Task Flow



## Action items

| Summary                  | Updated      | Due | Assignee           | Status |
|--------------------------|--------------|-----|--------------------|--------|
| Create integration tests | Apr 11, 2016 |     | Aleksander Kamczyc | OPEN   |

1 issue

Is it required to supplement Import/export services? - <TBD>

## Volunteering string resources

- Types of resources
- Questions
- Resources needed
  - FDD Wizard to capture volunteering experience
  - FDD Project swag aggregation
  - New User Signup labels
  - New Update Preference labels
  - New Project list and search labels
  - References

## Types of resources

- Labels (buttons, titles, field labels etc.)
  - Ethelontiis bundle
    - ethelontiis-resources/resources/oracle/apps/hcm/hwr/ethelontiis/resource/EthelontiisGenBundle.xlf - adfBundle['oracle.apps.hcm.hwr.ethelontiis.resource.EthelontiisGenBundle']
  - ADF common bundle
    - oracle.apps.common.acr.resource.ResourcesGenBundle.xlf - adfBundle['oracle.apps.common.acr.resource.ResourcesGenBundle']
- Messages (validation messages, errors, confirmations etc.)
  - ethelontiis-domain/src/oracle/apps/hcm/hwr/ethelontiis/model/domain/exception/ErrorCategory.java
  - ethelontiis-domain/src/oracle/apps/hcm/hwr/ethelontiis/model/validation/ValidationErrorMessage.java

- ethelontiis-seededdata/db/data/\* - most of
- ethelontiis-resources/resources/oracle/apps/hcm/hwr/ethelontiis/model/domain/validation/ValidationErrorsBundle.properties
- ethelontiis-resources/resources/oracle/apps/hcm/hwr/ethelontiis/dataaccess/common/error/ImportErrorsBundle.properties
- ethelontiis-resources/resources/oracle/apps/hcm/hwr/ethelontiis/dataaccess/common/error/DataAccessErrorsBundle.properties
- Lookups (lists of values)
  - ethelontiis-seededdata/db/data/LookUpSD.xml
  - ethelontiis-seededdata/db/data/LookUpTypeSD.xml

## Questions

- How messages are used?
  - Mostly via custom validators, e.g. ProjectValidator
- In how many places a message should be reported? Not sure, e.g.
  - HCME-004-112 is in MessageDS.xml and ValidationErrorMessage
  - HCME-004-012 is in MessageDS.xml, ValidationErrorMessage but also in ValidationErrorsBundle.properties
- What should be the context of requested labels - mixed
  - For simple labels, e.g. common actions, common headers - both ADF common and Ethelontiis common
  - For feature specific labels - convention is TYPE.FEATURE.LABEL but sometimes OLabel / OText
  - Lookups? For tsize etc?

## Resources needed

### FDD Wizard to capture volunteering experience

| Added | Type    | Key  | Text   | Description   |
|-------|---------|--|--|---|
| ✓     | LABEL   | EthelontiisGenBundle.xlf#Header.Experience             | Experience                                     | Experience section header                                   |
| ✓     | LABEL   | EthelontiisGenBundle.xlf#Label.Experience.Present      | Present  | Indicates no end date for currently running experience      |
| ✓     | LABEL   | EthelontiisGenBundle.xlf#Label.Experience.Organization | Organization                                   | Organization field label for an experience entry            |
| ✓     | LABEL   | EthelontiisGenBundle.xlf#Label.Experience.Role         | Role   | Role field label for an experience entry                    |
| ✓     | LABEL   | EthelontiisGenBundle.xlf#Label.Experience.StartDate    | Start Date                                     | Start date field label for an experience entry              |
| ✓     | LABEL   | EthelontiisGenBundle.xlf#Label.Experience.EndDate      | End Date                                       | End date field label for an experience entry                |
| ✓     | LABEL   | EthelontiisGenBundle.xlf#OText.Experience.Current      | Check if you currently volunteer here          | Hint for a checkbox indicating currently running experience |
| ✓     | MESSAGE | HCME-004-129.10481                                     | Organization must not be blank.                | Validation message for required Organization field          |
| ✓     | MESSAGE | HCME-004-130.10481                                     | Role must not be blank.                        | Validation message for required Role field                  |
| ✓     | MESSAGE | HCME-004-131.10481                                     | Start date must not be blank.                  | Validation message for required Start date field            |
| ✓     | MESSAGE | HCME-004-132.10481                                     | End date must not be blank.                    | Validation message for required End date field              |
| ✓     | MESSAGE | HCME-004-133.10481                                     | End date must not occur before the start date. | Validation message for start date and end date range        |

### FDD Project swag aggregation

| Added | Type  | Key   | Text                   | Description  |
|-------|-------|---|------------------------|--|
| ✓     | LABEL | EthelontiisGenBundle.xlf#Label.Project.GiveawaySummary      | Giveaway summary       | Project's Giveaway summary action                          |
| ✓     | LABEL | EthelontiisGenBundle.xlf#Header.Project.GiveawaySummary     | Giveaway summary       | Giveaway summary popup title                               |
| ✓     | LABEL | EthelontiisGenBundle.xlf#Label.Project.NumberOfParticipants | Number of participants | Label for giveaway summary for benefits other than t-shirt |

|                                     |        |  |                           |                                |
|-------------------------------------|--------|--|---------------------------|--------------------------------|
| <input checked="" type="checkbox"/> | LABEL  | ResourcesGenBundle.xlf#Action.Done   | Done                      |                                |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>TSHIRT_SIZE</LookupType><br><LookupCode>FEMALE_SMALL</LookupCode><br><LookupCode>MALE_SMALL</LookupCode>       | Male/Female Small         | Small t-shirt size             |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>TSHIRT_SIZE</LookupType><br><LookupCode>FEMALE_MEDIUM</LookupCode><br><LookupCode>MALE_MEDIUM</LookupCode>     | Male/Female Medium        | Medium t-shirt size            |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>TSHIRT_SIZE</LookupType><br><LookupCode>FEMALE_LARGE</LookupCode><br><LookupCode>MALE_LARGE</LookupCode>       | Male/Female Large         | Large t-shirt size             |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>TSHIRT_SIZE</LookupType><br><LookupCode>FEMALE_X_LARGE</LookupCode><br><LookupCode>MALE_X_LARGE</LookupCode>   | Male/Female X Large       | Extra large t-shirt size       |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>TSHIRT_SIZE</LookupType><br><LookupCode>FEMALE_XX_LARGE</LookupCode><br><LookupCode>MALE_XX_LARGE</LookupCode> | Male/Female XX Large      | Extra-extra large t-shirt size |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>PARTICIPANT_BENEFITS</LookupType><br><LookupCode>BREAKFAST_PROVIDED</LookupCode>                               | Breakfast Provided        |                                |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>PARTICIPANT_BENEFITS</LookupType><br><LookupCode>LUNCH_PROVIDED</LookupCode>                                   | Lunch Provided            |                                |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>PARTICIPANT_BENEFITS</LookupType><br><LookupCode>REFRESHMENTS_PROVIDED</LookupCode>                            | Refreshments Provided     |                                |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>PARTICIPANT_BENEFITS</LookupType><br><LookupCode>DINNER_PROVIDED</LookupCode>                                  | Dinner Provided           |                                |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>PARTICIPANT_BENEFITS</LookupType><br><LookupCode>FREE_ADMISSION</LookupCode>                                   | Free Admission            |                                |
| <input checked="" type="checkbox"/> | LOOKUP | <LookupType>PARTICIPANT_BENEFITS</LookupType><br><LookupCode>ORACLE_VOLUNTEERS_TSHIRT</LookupCode>                         | Oracle Volunteers T-Shirt |                                |

### New User Signup labels

| Status                              | Type (label or message) | Proposed key                      | English text | Description                | Requestor         |
|-------------------------------------|-------------------------|-----------------------------------|--------------|----------------------------|-------------------|
| <input checked="" type="checkbox"/> | Label                   | EthelontiisBundle#Header.Causes   | Causes       | Causes train stop header   | Krzysztof Niemiec |
| <input checked="" type="checkbox"/> | Label                   | EthelontiisBundle#Header.Location | Location     | Location train stop header | Krzysztof Niemiec |
| <input checked="" type="checkbox"/> | Label                   | EthelontiisBundle#Header.Goal     | Goal         | Goal train stop header     | Krzysztof Niemiec |
| <input checked="" type="checkbox"/> | Label                   | EthelontiisBundle#Header.Confirm  | Confirm      | Confirm train stop header  | Krzysztof Niemiec |

|                                     |       |   |  |  |                  |
|-------------------------------------|-------|---|--|--|------------------|
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.Hello                           | Hello, {USERNAME}!   | First user name display on introduction screen, e.g: "Hello, Linda!"                   | Lukasz Debiec    |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.Welcome                         | Welcome to Volunteering! Sign up now to get involved in volunteering projects and causes that are most important to you. You're just a few clicks away from discovering new ways to engage with colleagues and making a positive impact. | Description text on introduction page.   | Lukasz Debiec    |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Action.SignUp                         | Sign Up  | Sign Up label  | Lukasz Debiec    |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.SetGoals                        | Let's set some personal goals for you.   | Header for personal goals form   | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.GoalForYear                     | Enter the number of hours you would like to volunteer in {YEAR}.   | Label for input text that specifies number of volunteering hours                       | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.InterestedInLeadingProjects     | Are you interested in leading volunteer projects?  | Label for radiobuttons that specify the intereste in leading volunteer projects        | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.AgreeWithTerms                  | I agree to the terms above.  | Label for checkbox   | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Next                                | Next   | Label for the button going to the next train stop                                      | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Back.Navigatebacktothepreviouspageo | Back   | Label for the button going to the previous train stop                                  | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Cancel                              | Cancel   | Cancel button label  | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | CommonBundle#Action.Submit.SubmitChanges                | Submit   | Submit button label  | Bartek Styrylski |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.LeaderdingProjects.Yes          | Yes!   | Label for radiobutton option that specify the int ereste in leading volunteer projects | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.LeaderdingProjects.No           | No, thanks.  | Label for radiobutton option that specify the int ereste in leading volunteer projects | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.GoalHoursFormat                 | Please enter a number from 0 to 8000   | Message for goal hours validation  | Artur Sergeyean  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.TellUsWhatCauses                | Tell us what causes you care about.  | Leading text on the sign up causes page  | Bartek Styrylski |

|                                     |       |   |  |   |                   |
|-------------------------------------|-------|---|--|---|-------------------|
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.Hint.Causes           | Note: You can choose 0 or as many causes as you want. We will use your input to suggest volunteers projects that match your interests. | Explanatory text on the sign up causes page       | Bartek Styrylski  |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.VerifyLocationMessage | Verify and update your location.   | First line of description for Location Selection  | Krzysztof Niemiec |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#OText.LocationSelectionNote | Note. We will use your location to recommend volunteer projects that are near you.   | Second Line of description for Location Selection | Krzysztof Niemiec |
| <input checked="" type="checkbox"/> | Label | EthelontiisBundle#Label.AddAnotherLocation    | Add Another  | Button name for adding another location           | Krzysztof Niemiec |

### New Update Preference labels

| Status                  | Type (label or message) | Proposed key               | English text                  | Description  | Requestor       |
|-------------------------|-------------------------|----------------------------|-------------------------------|--|-----------------|
| pushed to R12featuredev | Header                  | Header.UpdatePreference    | Update Preference             | Main header on update preference page                  | Wojciech Piekaj |
| pushed to R12featuredev | Header                  | Header.UpdateCauses        | Update causes you care about. | Subheader for causes on update preference page         | Wojciech Piekaj |
| pushed to R12featuredev | Header                  | Header.UpdateLocation      | Update your location.         | Subheader for location on update preference page       | Wojciech Piekaj |
| pushed to R12featuredev | Header                  | Header.UpdatePersonalGoals | Update personal goals.        | Subheader for personal goals on update preference page | Wojciech Piekaj |

### New Project list and search labels

| Status | Type (label or message) | Proposed key | English text                           | Description  | Requestor       |
|--------|-------------------------|--------------|--|--|-----------------|
|        | Label                   |              | Create Project: Additional Information | Header for additional info page                                  | Artur Sergeyean |
|        | Label                   |              | Benefits                               | Title for benefits section in additional info page               | Artur Sergeyean |
|        | Label                   |              | More information about this project    | Header for additional info page                                  | Artur Sergeyean |
|        | Label                   |              | Other                                  | label for other benefits checkbox in additional info page        | Artur Sergeyean |
|        | Label                   |              | Volunteer Specifications               | title for volunteer Specifications section additional info page  | Artur Sergeyean |
|        | Label                   |              | Minimum Participants Number            | label for min participants number filed in additional info page  | Artur Sergeyean |
|        | Label                   |              | Maximum Participants Number            | label for max participants number filed in additional info page  | Artur Sergeyean |
|        | Label                   |              | Guests Per Participant                 | label for 'gusets per participant' filed in additional info page | Artur Sergeyean |
|        | Label                   |              | Minimum Age Requirement                | label for minimum age filed in additional info page              | Artur Sergeyean |

|  |       |  |                     |   |                 |
|--|-------|--|---------------------|---|-----------------|
|  | Label |  | Items To Bring      | label for 'items to bring' filed in additional info page      | Artur Sergeyean |
|  | Label |  | Contact Information | title for contact information section in additional info page | Artur Sergeyean |
|  | Label |  | Contact Title       | label for contact title filed in additional info page         | Artur Sergeyean |
|  | Label |  | Contact Name        | label for contact name filed in additional info page          | Artur Sergeyean |
|  | Label |  | Contact Email       | label for contact email filed in additional info page         | Artur Sergeyean |
|  | Label |  | Address Type        | label for contact address type filed in additional info page  | Artur Sergeyean |
|  | Label |  | Contact Phone       | label for contact phone filed in additional info page         | Artur Sergeyean |
|  | Label |  | Website             | label for website filed in additional info page               | Artur Sergeyean |
|  | Label |  | Contact Fax         | label for contact fax filed in additional info page           | Artur Sergeyean |
|  | Label |  | Address             | label for contact address filed in additional info page       | Artur Sergeyean |
|  | Label |  | Filters             | title for filtering preferences                               | Artur Sergeyean |
|  | Label |  | Hide Filters        | label for the hide filter command link                        | Artur Sergeyean |
|  | Label |  | Reset               | label for the reset filter command link                       | Artur Sergeyean |
|  | Label |  | Causes              | title for causes section in filtering preferences             | Artur Sergeyean |
|  | Label |  | Search Radius (mi)  | label for search radius preference in filtering options       | Artur Sergeyean |
|  | Label |  | Organization        | label for organization preference in filtering options        | Artur Sergeyean |

link

## References

- String Categories, Types and Standards

## Volunteering Meeting notes

This is to track discussions, decisions of various topics pertaining **Volunteering**.

### Meeting notes

Create meeting note

- 2016-03-22 Initial meeting
- 2016-03-22 Initial Meeting with Brian and Sree
- 2016-04-11 FDDs Review Meeting
- 2016-04-12 New User Signup FDD initial team meeting
- 2016-04-15 New User Signup FDD grooming and planning
- 2016-04-25 Locations Step Task Blockers Meeting
- 2016-04-28 New User Signup - Design by Contract SyncUp
- 2016-05-11 Volunteering Open issues/concerns weekly meeting

## 2016-03-22 Initial meeting

### Date

 22 Mar 2016

### Attendees

- Tomasz Pedziwiatr
- Tomasz Tomalak
- Bartek Styrylski
- Marcin Rybak

### Goals

- Gather questions to Brian Kim and Sreedhar Chitullapally for the afternoon meeting and discuss the roles and tasks **sree**

### Discussion items

| Item                   | Notes  |
|------------------------|--|
| Questions to Brian Kim | <ul style="list-style-type: none"><li>• General<ul style="list-style-type: none"><li>• Overview of the product / demo</li><li>• Labels - requesting process</li></ul></li><li>• FDD Swag Aggregate<ul style="list-style-type: none"><li>• How swag can be configured during project creation and how possible configurations should be presented on the summary screen? - <b>multiple benefits should be simply stacked vertically, t-shirt sizes are simple enum</b></li><li>• How do we determine a Project leader? - <b>basing on the project to volunteer with Leader role association</b></li><li>• Should we add Giveaway summary also from project details? - <b>yes</b></li></ul></li><li>• FDD Volunteering Experience<ul style="list-style-type: none"><li>• Do we have working View / Edit Profile flow that we just enhance? How does it relate to Registration flow, which we're assuming is a one-time opt-in for the user. Are those two separate flows that need to be altered? - <b>we're concerned only about Edit Profile flow</b></li><li>• Experience entries are manually entered information that has no relation to Projects, correct? - <b>yes</b></li><li>• Organization / role - these are free text fields, correct? - <b>yes</b></li><li>• Any particular validation rules besides endDate &gt;= startDate? - <b>no</b></li><li>• There no other place in the application besides user's own profile where experience will be presented, is there? - <b>no, there is no other place</b></li><li>• Assuming this FDD doesn't concern Causes at all, correct? - <b>yes</b></li><li>• Do we know if proposed Experience UI is inline with potential other patterns in the HCM apps suite (e.g. Work experience)? Is there any UI pattern that we may potentiall reuse? - <b>Jobs for a Project is a good example</b></li><li>• Why "wizard"? It is simple view/edit page flow, just to confirm, right? - <b>didn't ask, assuming yes</b></li></ul></li></ul> |

|                            |   |
|----------------------------|---|
| Questions to Sreedhar      | <ul style="list-style-type: none"> <li>FDD Swag Aggregate           <ul style="list-style-type: none"> <li>What has been done so far (if anything)?<br/>Is there any swag backend API available? What is the lowest level of components we should assume we should build on our own?<br/>[SREE] : Will get back to you by 3/23/2016.</li> </ul> </li> <li>FDD Volunteering Experience --&gt;           <ul style="list-style-type: none"> <li>What has been done so far (if anything)?</li> <li>Is there any Experience backend API available? Similarly, what is the lowest level of components we should assume we should build on our own?</li> <li>Also, is there existing data model for Experience?</li> <li>[SREE] --&gt; Not done anything on this FDD</li> </ul> </li> <li>General           <ul style="list-style-type: none"> <li>Technical POC and daily meetings this week<br/>[SREE] Ola/SREE/Arun</li> <li>Architecture - is it full ADF stack or sth else?<br/>SREE : ADF Techack only</li> <li>Source code access, sql/scripts to update R13 schema with needed changes<br/>[SREE]</li> </ul> </li> </ul> <p>here is the <a href="#">development page</a> and have links to various pages.<br/> <a href="https://stbeehive.oracle.com/teamcollab/wiki/HCM+Volunteering:Development+Home+Page">https://stbeehive.oracle.com/teamcollab/wiki/HCM+Volunteering:Development+Home+Page</a></p> <p><b>Volunteering Projects</b></p> <ul style="list-style-type: none"> <li>ethelontiis/ethelontiis-appservices</li> <li>ethelontiis-appservices</li> <li>ethelontiis/ethelontiis-appservicesmock</li> <li>ethelontiis/ethelontiis-dataaccess</li> <li>ethelontiis/ethelontiis-dbschema</li> <li>ethelontiis/ethelontiis-domain</li> <li>ethelontiis-domain</li> <li>ethelontiis/ethelontiis-ear</li> <li>ethelontiis/ethelontiis-integrationtests</li> <li>ethelontiis/ethelontiis-parent</li> <li>ethelontiis-parent</li> <li>ethelontiis/ethelontiis-resources</li> <li>ethelontiis-resources</li> <li>ethelontiis/ethelontiis-root</li> <li>ethelontiis-root</li> <li>ethelontiis/ethelontiis-seededdata</li> <li>ethelontiis/ethelontiis-ui</li> </ul> <ul style="list-style-type: none"> <li>Code version<br/>SREE two FDDs assigned to you must be checked into R13</li> </ul> <p><input checked="" type="checkbox"/> Smoke environment<br/>Please subscribe your team members to this group and will receive smoke test emails for R12/R13 --&gt;<br/>hcmethelontiis_dev_us_grp<br/>SREE : <a href="#">TDD</a></p> <ul style="list-style-type: none"> <li>Project documentation, data model</li> <li>How to configure the project - where is jazn file?<br/>Above Development page should have all the links(for the missing link, we can add new pages)</li> </ul> |
| Questions to technical POC | <ul style="list-style-type: none"> <li>configuration of a his/her IDE, where changes are implemented.</li> <li>how to deploy application on R13</li> <li>how to test (unit, integration) changes.</li> </ul> <p>SREE <a href="https://stbeehive.oracle.com/teamcollab/wiki/HCM+Volunteering:Development+Home+Page">https://stbeehive.oracle.com/teamcollab/wiki/HCM+Volunteering:Development+Home+Page</a></p>  |
| Tasks, roles?              | <ul style="list-style-type: none"> <li>2 stories in JIRA</li> </ul>   |

## Action items

- Bartek Styrylski will add 2 stories (each per FDD) to JIRA

## 2016-03-22 Initial Meeting with Brian and Sree

Date

 22 Mar 2016

## Attendees

- Brian Kim
- Sreedhar Chitullapally
- Tomasz Tomalak
- Tomasz Pedziwiatr
- Krzysztof Niemiec
- Olek Kamczyc
- Michał Marnik
- Marcin Rybak
- Bartek Styrylski

## Goals

- Get an overview of Volunteering project

## Discussion items

Addressed questions to Brian - answers are available [here](#)

## Action items

- Sreedhar Chitullapally will answer the questions gathered [here](#)
- Tomasz Tomalak will setup meetings with Sree for this week

## 2016-04-11 FDDs Review Meeting

### Date

 11 Apr 2016

## Attendees

- Brian Kim
- Sreedhar Chitullapally
- Tomasz Tomalak
- Bartek Styrylski
- Krzysztof Niemiec
- Wojciech Piekaj
- Łukasz Debiec
- Marcin Rybak

## Goals

- Review implementation of two FDDs: Wizard to capture volunteering experience and Project swag aggregation

## Discussion items

| Item    | Notes   |
|---------|---|
| General | <ul style="list-style-type: none"><li>• Both implementations have been already committed to git</li><li>• Notification has to be sent when both features will be available on smoke environment to test</li><li>• To pass jaudit checks,in both implementations all serializable managed beans' member variables were set to transient, whereas they shouldn't be and this may cause potential future problems in clustered environment</li></ul> |

|   |  |
|---|--|
| Project swag aggregation                  | <ul style="list-style-type: none"> <li>The value of ORACLE_VOLUNTEERS_TSHIRT lookup which is displayed on Giveaway Summary Report page should be changed from "Oracle Volunteers T-Shirt" to "Volunteers T-Shirt"</li> <li>Consider adding Giveaway Summary Report view for Volunteer Administrator in the future</li> <li>Guest t-shirts are not included in Report</li> <li>T-shirt sizes should be sorted from smallest to biggest</li> </ul> |
| Wizard to capture volunteering experience | <ul style="list-style-type: none"> <li>Month and year should be selected separately - this approach has been used on My Contribution page which will have been committed soon</li> <li>When adding new experience, focus need to be set in the appropriate place on the page</li> </ul>  |

## Action items

- Tomasz Tomalak will create a bug to update ORACLE\_VOLUNTEERS\_TSHIRT lookup translation
- Sreedhar Chitullapally will do technical review of both FDD implementations
- Bartek Styrylski will contact Sreedhar Chitullapally regarding better solution for "non-serializable" jaudit violations
- Cracow DEV Team will implement mentioned improvements and send the notification as soon as both features are available on smoke environment to test

## 2016-04-12 New User Signup FDD initial team meeting

### Date

 12 Apr 2016

### Attendees

- Bartek Styrylski
- Tomasz Pedziwiatr
- Michał Marnik
- Marcin Rybak
- Olek Kamczyc
- Lukasz Debiec
- Wojciech Piekaj
- Krzysztof Niemiec
- Artur Sergeyev
- Tomasz Urbanowicz

### Goals

- Review the [Implement New User Signup](#) FDD and flesh out all the functional and technical questions and doubts

### Discussion items

| Item         | Functional questions (see <a href="#">FDD in review</a> for answers)  | Technical questions  |
|--------------|---|--|
| WELCOME page | <ul style="list-style-type: none"> <li>Missing spec for choosing background images admin UI, unclear need for custom background image</li> <li>Confirm non-US users are normally supported - the country on LOCATIONS page is readonly but it doesn't mean only US is applicable</li> <li>There are some fields missing comparing to the current registration process, confirm it is OK to remove them and keep viewable/editable in the profile pages</li> </ul> | <ul style="list-style-type: none"> <li>How do we read Fusion user first name? Do we need some fallback?</li> <li>If required, how do we read and write background images</li> </ul>      |
| CAUSES page  | <ul style="list-style-type: none"> <li>New set of causes differs from the existing one. Confirm it is OK to replace</li> <li>Confirm there is no more custom cause supported</li> </ul>   | <ul style="list-style-type: none"> <li>Where do we take causes icons from (we can try ask Brian first)</li> <li>Do we have all the required data model and services in place?</li> </ul> |

|                |  |   |
|----------------|--|---|
| LOCATIONS page | <ul style="list-style-type: none"> <li>Clarify motivation for read only country</li> <li>Should state/province and city fields be prepopulated for additional rows?</li> <li>Confirm there is no validation for locations, if none is entered default one will be used</li> <li>Should we display those locations anywhere in the app?</li> </ul>  | <ul style="list-style-type: none"> <li>Research data model and services for locations. Is there anything we can reuse?</li> <li>How do we read Fusion user's working/remote/home address? Is it guaranteed to exist?</li> </ul> |
| GOALS page     | <ul style="list-style-type: none"> <li>How proposed goal corresponds to the existing goals model in the application? Are we talking about existing entities?</li> <li>Should we display goal or project leadership flag information anywhere in the app?</li> </ul>  | <ul style="list-style-type: none"> <li>Research data model and services for goals</li> <li>Research data model and services for project leadership flag</li> </ul>  |
| WAIVER page    | <ul style="list-style-type: none"> <li>Missing spec for waiver admin UI - where (Volunteering? FSM?) it should be configurable, what is configurable (title/content?), is it translatable?</li> <li>Assuming we don't explicitly store information that "user accepted the waiver", it's basically volunteering profile that indicates that, there is no waiver versioning etc.</li> </ul> | <ul style="list-style-type: none"> <li>Research any sort of generic configuration APIs and UIs, FSM etc. Do we have something to reuse?</li> </ul>  |

## Action items

- Dev team to research and/or ask Sree's team about technical areas in question, [Marcin Rybak](#) to create JIRA tasks accordingly
- Bartek Styrylski to follow up with Brian on functional aspects

## 2016-04-15 New User Signup FDD grooming and planning

### Date

 15 Apr 2016

### Attendees

- Bartek Styrylski
- Tomasz Pedziwiatr
- Michał Marnik
- Marcin Rybak
- Olek Kamczyc
- Lukasz Debiec
- Krzysztof Niemiec
- Artur Sergeyev
- Tomasz Urbanowicz

### Goals

- Discuss research results
- Split FDD into tasks
- Estimate tasks

### Discussion items

| Item | Notes |
|------|-------|
|      |       |

| Research results presentation                                       | <b>API that can be reused</b>  | <ul style="list-style-type: none"> <li>• Goals API</li> <li>• Fusion employee API: user firstname</li> <li>• Images API</li> </ul>  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
|---|--|---|------|---------------|-------------|----------------|---|--|--|---|--|---------------------|---|----------------------------------|--------------------------------|---|--|---|---|---|--|---|---|--------------------|---|----------------------------------|---|---|--|-----------------------|---|----------------------------------|--|---|---|-------------------|---|----------------------------------|--------------------|---|----------------------------------|---|---|---|------------|-------------|--|
|   | <b>More research is needed</b>   | <ul style="list-style-type: none"> <li>• Fusion employee API: user addresses (work and remote)</li> <li>• Fusion locations API</li> </ul>   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
|   | <b>API can be reused, but some additional action/clarification is required</b>   | <ul style="list-style-type: none"> <li>• Project leadership Flag (MLS support?)</li> <li>• Addresses API (MLS support?)</li> <li>• Focus areas (causes) API (COMMUNITY and OTHER causes are missing)</li> </ul>   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Tasks estimation  |  | <table border="1"> <thead> <tr> <th>Task</th><th>Estimated mDs</th><th>Description</th></tr> </thead> <tbody> <tr> <td>Setup git repo</td><td>1</td><td>To not be dependent on unstable master branch it would be useful (especially in first weeks of development) to create team's shared repository only for this FDD</td></tr> <tr> <td>Modify existing Volunteering entry point</td><td>3</td><td>Modify entry point task flow to redirect Fusion user to New User Signup Welcome page if user is not registered in Volunteering yet</td></tr> <tr> <td>Create Welcome page</td><td>3</td><td>Create a page and a backing bean</td></tr> <tr> <td>Create NewUserSignup task flow</td><td>8</td><td>Create task flow based on train with stubbed pages and implement navigation behaviour (Cancel, Next, Previous, Commit)</td></tr> <tr> <td>Define API to get Welcome page image from Volunteering app settings</td><td>5</td><td> <ul style="list-style-type: none"> <li>• Define contract</li> <li>• Create stubbed implementation</li> <li>• Seed db with dummy image for Welcome page</li> </ul> </td></tr> <tr> <td>Rework FOCUS_AREAS lookups for Causes page</td><td>?</td><td>Remove old causes, add new ones, check all the places in which causes are used. Possibly add 2 missing w/o altering current list.</td></tr> <tr> <td>Create Causes page</td><td>8</td><td>Create a page and a backing bean</td></tr> <tr> <td>Request and uptake missing Causes icons</td><td>1</td><td>Find out how the new icons can be accessed by DEV Team</td></tr> <tr> <td>Create Locations page</td><td>5</td><td>Create a page and a backing bean</td></tr> <tr> <td>Implement New User Profile Save action</td><td>5</td><td>Implement saving new user profile to database in the last wizard step</td></tr> <tr> <td>Create Goals page</td><td>2</td><td>Create a page and a backing bean</td></tr> <tr> <td>Create Waiver page</td><td>2</td><td>Create a page and a backing bean</td></tr> <tr> <td>Define API to get waiver from Volunteering app settings</td><td>5</td><td> <ul style="list-style-type: none"> <li>• Define contract</li> <li>• Create stubbed implementation</li> <li>• Consider using Fusion Messages mechanism?</li> </ul> </td></tr> <tr> <td><b>Sum</b></td><td>53 + ? = 72</td><td></td></tr> </tbody> </table> | Task | Estimated mDs | Description | Setup git repo | 1 | To not be dependent on unstable master branch it would be useful (especially in first weeks of development) to create team's shared repository only for this FDD | Modify existing Volunteering entry point | 3 | Modify entry point task flow to redirect Fusion user to New User Signup Welcome page if user is not registered in Volunteering yet | Create Welcome page | 3 | Create a page and a backing bean | Create NewUserSignup task flow | 8 | Create task flow based on train with stubbed pages and implement navigation behaviour (Cancel, Next, Previous, Commit) | Define API to get Welcome page image from Volunteering app settings | 5 | <ul style="list-style-type: none"> <li>• Define contract</li> <li>• Create stubbed implementation</li> <li>• Seed db with dummy image for Welcome page</li> </ul> | Rework FOCUS_AREAS lookups for Causes page | ? | Remove old causes, add new ones, check all the places in which causes are used. Possibly add 2 missing w/o altering current list. | Create Causes page | 8 | Create a page and a backing bean | Request and uptake missing Causes icons | 1 | Find out how the new icons can be accessed by DEV Team | Create Locations page | 5 | Create a page and a backing bean | Implement New User Profile Save action | 5 | Implement saving new user profile to database in the last wizard step | Create Goals page | 2 | Create a page and a backing bean | Create Waiver page | 2 | Create a page and a backing bean | Define API to get waiver from Volunteering app settings | 5 | <ul style="list-style-type: none"> <li>• Define contract</li> <li>• Create stubbed implementation</li> <li>• Consider using Fusion Messages mechanism?</li> </ul> | <b>Sum</b> | 53 + ? = 72 |  |
| Task  | Estimated mDs  | Description   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Setup git repo  | 1  | To not be dependent on unstable master branch it would be useful (especially in first weeks of development) to create team's shared repository only for this FDD  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Modify existing Volunteering entry point                            | 3  | Modify entry point task flow to redirect Fusion user to New User Signup Welcome page if user is not registered in Volunteering yet  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Create Welcome page   | 3  | Create a page and a backing bean  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Create NewUserSignup task flow                                      | 8  | Create task flow based on train with stubbed pages and implement navigation behaviour (Cancel, Next, Previous, Commit)  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Define API to get Welcome page image from Volunteering app settings | 5  | <ul style="list-style-type: none"> <li>• Define contract</li> <li>• Create stubbed implementation</li> <li>• Seed db with dummy image for Welcome page</li> </ul>   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Rework FOCUS_AREAS lookups for Causes page                          | ?  | Remove old causes, add new ones, check all the places in which causes are used. Possibly add 2 missing w/o altering current list.   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Create Causes page  | 8  | Create a page and a backing bean  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Request and uptake missing Causes icons                             | 1  | Find out how the new icons can be accessed by DEV Team  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Create Locations page   | 5  | Create a page and a backing bean  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Implement New User Profile Save action                              | 5  | Implement saving new user profile to database in the last wizard step   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Create Goals page   | 2  | Create a page and a backing bean  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Create Waiver page  | 2  | Create a page and a backing bean  |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Define API to get waiver from Volunteering app settings             | 5  | <ul style="list-style-type: none"> <li>• Define contract</li> <li>• Create stubbed implementation</li> <li>• Consider using Fusion Messages mechanism?</li> </ul>   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| <b>Sum</b>  | 53 + ? = 72  |   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |
| Questions to Volunteering Architect/Technical Lead                  | <ul style="list-style-type: none"> <li>• Explain why Full Synch MLS mechanism is introduced in Volunteering DB whereas it is not supported in daos/services/ui</li> <li>• Discuss missing Volunteering application settings model (id of selected Welcome page image, waiver title and versioned waiver content) - who will be responsible for implementation?</li> <li>• Discuss FOCUS_AREAS lookups functionality refactoring approach (full refactoring in FDD scope or an incremental one)</li> <li>• Discuss goal functionality refactoring approach (full refactoring in FDD scope or an incremental one)</li> <li>• Explain seed data update process</li> </ul> |   |      |               |             |                |   |  |  |   |  |                     |   |                                  |                                |   |  |   |   |   |  |   |   |                    |   |                                  |   |   |  |                       |   |                                  |  |   |   |                   |   |                                  |                    |   |                                  |   |   |   |            |             |  |

## Action items

- Tomasz Pedziwiatr will create JIRA tasks reflecting tasks list above
- Tomasz Pedziwiatr will organize tasks to developers assignment meeting
- Olek Kamczyc will continue research on Locations API
- Michal Marnik will continue research on Fusion Employee API
- Marcin Rybak will monitor new Causes icons delivery process
- Bartek Styrylski will address questions specified above to Volunteering Architect/Technical Lead

## 2016-04-25 Locations Step Task Blockers Meeting

### Date

 25 Apr 2016

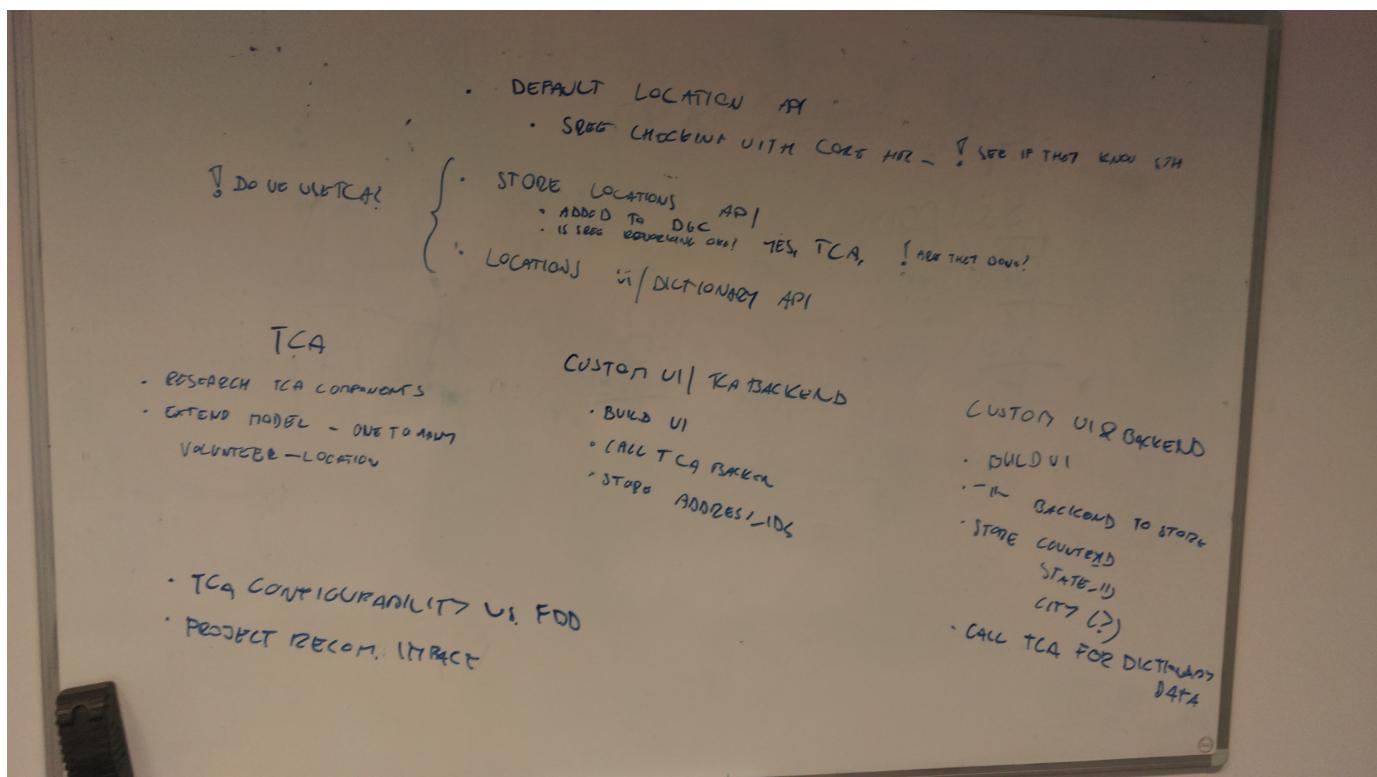
### Attendees

- Bartek Styrylski
- Tomasz Pedziwiatr
- Michal Marnik
- Olek Kamczyc
- Marcin Rybak

### Goals

Discuss all  **TLEOSMORG-382** - Create Locations page CLOSED task blockers

### Discussion items



## Action items

- Olek Kamczyc will supplement JIRA/Confluence with TCA API research results
- Tomasz Pedziwiatr and Marcin Rybak will look for TCA API usage in Ethelontiis code and based on this will decide if it can be reused for Locations Step implementation

## 2016-04-28 New User Signup - Design by Contract SyncUp

### Date

 28 Apr 2016

### Attendees

- Omprakash Ola
- Bartek Styrylski
- Marcin Rybak
- Lukasz Debiec
- Tomasz Pedziwiatr
- Artur Sergeyev

### Goals

- Discuss design by contract items REQ0111 and REQ0112
- Discuss REQ0110 and volunteer locations storage

### Discussion items

| Item  | Notes   |
|---|---|
| REQ0111<br><br>API to get New User Signup FDD Welcome Page Background File id | <ul style="list-style-type: none"><li>• Calling ImageServlet from adf:panel inlineStyle attribute does not work</li><li>• Uploading image using Fusion Seed Data Loader needs to be investigated before providing any stubbed API</li></ul>   |
| REQ0112<br><br>API to get New User Signup FDD waiver content and title        | <ul style="list-style-type: none"><li>• Title and Content need to be stored somewhere in database</li><li>• Stubbed API will be provided - some random text will be returned</li></ul>  |
| REQ0110<br><br>API to load Recommended Projects                               | <ul style="list-style-type: none"><li>• Currently, API to load Recommended Projects is based only on volunteer's focus areas</li><li>• It should be clarified how (if?) volunteer's preferred locations will be consumed by Recommended Projects search engine</li><li>• Data model to store volunteer's preferred locations should be designed</li><li>• This model should be as simple as possible - maybe it is sufficient to store only location's latitude and longitude, i.e. to add an additional column in volunteer's profile table which stores locations' coordinates in the following format:<br/>4 S 87 E, 43 N 87 W, 24 S 11 W</li><li>• TCA locations UI component cannot be used - it is too far away from the FDD requirements</li></ul> |

## Action items



- Omprakash Ola to research seeding binary data (REQ0111)
- Lukasz Debiec to continue work on this, verifying both static and seeded image approaches (REQ0111)
- Omprakash Ola team to deliver waiver title/content API (REQ0112)
- Omprakash Ola to discuss with Sree about project recommendations and volunteer locations (REQ0110)
- Bartek Styrylski to add design by contract entry for storing volunteer locations - added already as REQ0114
- Bartek Styrylski to send to Ola today's further meeting invite

## 2016-05-11 Volunteering Open issues/concerns weekly meeting

### Date

 11 May 2016

### Attendees

- Sreedhar Chitullapally
- Bartek Styrylski
- Krzysztof Niemiec
- Marcin Rybak

### Goals

- Discuss New User Signup FDD open issues/concerns

### Discussion items

| Item           | Notes  |
|----------------|--|
| Welcome Page   | <ul style="list-style-type: none"> <li>• Cracow's Team developed temporary workaround to bypass jaudit violation for background-image url. Background still needs to have opacity applied, which will likely cause further violations due to inline styling. Potential solutions: UX Team consultations/exemption request/browse HcmCore code to look for the similar usecases. <b>UPDATE: opacity is done, currently we have the fully working solution with violation workaround applied</b></li> <li>• No existing css style was found to be reused for achieving white font color for the foreground text without background color. Inline style color causes violation. Currently the text is grey. There's ongoing email thread with Bo. <b>UPDATE: We've got the class name, issue resolved</b></li> <li>• "Sign up" button size does not meet FDD requirements yet, the text is smaller than expected. Applying larger font class doesn't work with hover style for the button. There's ongoing email thread with Bo. <b>UPDATE: As per UXP team it is not possible, issue resolved</b></li> </ul> |
| Locations Page | <ul style="list-style-type: none"> <li>• UI part is almost finished by Cracow's Team</li> <li>• It is unknown which API to use in order to get default Employee work address</li> <li>• Research done by Cracow's Team indicated that AdffFoundationGeographiesPublicView can be used to obtain dictionary countries' administrative units, as described <a href="#">here</a></li> <li>• <a href="#">Sreedhar Chitullapally</a> agreed that AdffFoundationGeographiesPublicView library can be added as Ethelontiis dependency on condition that RE Team is notified about it before committing code to Gerrit</li> </ul>  |

### Action items

- [Sreedhar Chitullapally/ Bartek Styrylski](#) to ask HcmCore Team about default Employee work address API
- [Sreedhar Chitullapally/ Bartek Styrylski](#) to talk with UX Team about background-image url /text color recommended approaches/exemptions possibility
- [Bartek Styrylski](#) (or someone from Cracow's Team) to assure that the AdffFoundationGeographiesPublicView library will be added according to process
- [Bartek Styrylski](#) (or someone from Cracow's Team) to browse HcmCore code to look for the similar use-cases and solutions regarding styling

## UI Folder Structure and Naming Conventions

### Folder Structure:

Ethelontiis-ui-view

```
-----> Public_html
        -----> oracle/apps/hcm/hhr/volunteering/ui/page
        -----> WEB-INF/ oracle/apps/hcm/hhr/volunteering/ui/flow

-----> src/oracle/apps/hcm/hhr/volunteering/ui/<subFolder>/bean
```

### Sub Folders in each section

signup ( This folder contains All the pages from Sign Up, Causes, Location, Goal, Confirm )

myvolunteer ( This folder contains Recommended Projects, Volunteer project registration page)

projects (This folder contains Projects List, Add Projects and Edit Projects Screens)

organizations (This folder contains Organization related pages)

### Jsff page name convention

xxxxYyyyy.jsff

ex: volunteerRegister.jsff

### Taskflow naming convention

xxxx-task-flow-definition.xml

ex: volunteer-register-task-flow-definition.xml

## Volunteering How-to articles

- How to add strings in R12
- How to create offline DB object
- How to fetch code from git
- How to fix Volunteering issues
- How to push the code
- How to solve null metadata partition problem
- How to start development

### How to add strings in R12

Follow below steps to add new/missing properties in R12featuredev:

1. Modify **StringResourceBean** reference in your task flow to that under **oracle.apps.hcm.hhr.volunteering.model.util** package.
2. Add key/value property in **EthelontiisGenBundle.properties**
3. Add key in **EthelontiisModel/src/oracle/apps/hcm/hhr/volunteering/model/util/TemporaryResourceBundleMappings.java**
4. Modify references to below files to appropriate utility files under package: **oracle.apps.hcm.hhr.....**

EthelontiisModel/src/oracle/apps/hcm/hwr/ethelontiis/model/util/EthelontiisModelUtil.java

EthelontiisModel/src/oracle/apps/hcm/hwr/ethelontiis/model/util/ResourceLabelFinderImpl.java

EthelontiisModel/src/oracle/apps/hcm/hwr/ethelontiis/model/util/StringResourceBean.java

EthelontiisModel/src/oracle/apps/hcm/hwr/ethelontiis/model/util/TemporaryResourceBundleIdMappings.java

## How to create offline DB object

- 1 Table
- 2 Columns
  - 2.1 Columns order in the table
- 3 DB changes pushing process

How to create and deploy offline db object in jdeveloper is described [here](#)

Here are some useful guidelines to create offline db object representing database table:

### Table

Name format for Ethelontiis Volunteering functional area should be:

**HHR\_VLTR\_< table name>** and **HWR\_VLTR\_< table name>**

Table name should not exceed 24 character limit. This is because indexes and foreign key short names would be too long if the complete 30 character fusion length is used and we will have to define again a unique short name and to remove this overhead we are restricting the table name to 24 character limit

The following suffixes must be used for the indicated purpose:

- **ALL**: tables that utilize standard Business Unit security.
- **GT**: global temporary tables.
- **B**: base table (for Standard MLS tables).
- **TL**: language-dependent table (for Standard MLS tables, as part of the pair with a base table, or for Single Table MLS).
- **F**: date effective tables without support for multiple changes per day.
- **XM**: customer extension tables (the child table in a parent-child relationship).
- **M**: date effective tables with support for multiple changes per day.
- **SEC**: security grants tables.
- **DN**: for denormalized tables.

More info here: <https://stbeehive.oracle.com/content/dav/st/Fusion%20Applications%20-%20Standards/Public%20Documents/Data%20Model%20Standards.htm>

### Columns

- For columns which store lookup codes they should end with \_CODE and the type should be VARCHAR2(30)
- For FLAG columns the type should be VARCHAR2(1) and it should store values of 'Y' or 'N'

### *Columns order in the table*

#### Columns Order

1. Columns specific to the table being defined
2. Column for versioning, i.e: OBJECT\_VERSION\_NUMBER

|  |
|--|
| 3. Foreign keys from the same functional area  |
| 4. Foreign keys from other functional areas (Person, Employment, Compensation, Talent ....etc) |
| 5. Who columns in the fixed sequence, i.e:   |
| CREATED_BY   |
| CREATION_DATE  |
| LAST_UPDATED_BY  |
| LAST_UPDATE_DATE   |
| LAST_UPDATE_LOGIN  |

## DB changes pushing process

For the DB changes, here is what Sree would suggests:

1. Please send out an email with the tables that you have created such that Ola or I can review the same.
2. Before checking in the DDL changes, your DB needs to be refreshed and make sure that it doesn't bomb.
3. After checking in the DB related changes, an email needs to be sent to the entire development to refresh their DB.
4. Need to wait for the next HB and make sure to fix all the violations that come up.
5. Finally when the code goes into ADE, 17 or 18 questions needs to be answered such that Re Team can merge the code into ADE.

## How to fetch code from git

### To clone git repository

Run the attached script providing branch (just git branch name (so in most cases you need *master*) and git username:

```
$ clone-ethelontiis.sh <branch> <git-username>
```

### To pull latest code

1. Run the attached script from enthelontiis-root directory providing branch name:

```
$ pull-ethelontiis.sh <branch>
```

2. Or if you have git version 1.6.1:

```
git pull && git submodule foreach git pull
```

See [git-submodule\(1\)](#) for details

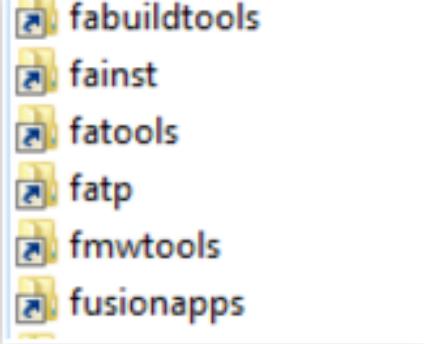
### To clone local ethelontiis-ui repo

Use following commands to clone our local repository for ethelontiis-ui, including usual message commit hooks to generate Change-Id for Gerrit. Example below, but please take scp statement directly from Gerrit.

```
$ git clone -b R12featuredev ssh://slc07ehh.us.oracle.com/scratch/git/ethelontiis-ui.git
$ scp -p -P 29418 USERNAME@re-git.us.oracle.com:hooks/commit-msg ethelontiis-ui/.git/hooks/
```

## How to fix Volunteering issues

Please see [here](#) before

| Issue  | Reason   | Solution   |
|--|--|--|
| Application does not compile because of missing external dependencies                        | Missing links to ade libraries in <b>ethelontiis-root</b> (listed below)           | Configure Fusion dependencies  |
|  |  |  |
|  | Dead links in <b>ethelontiis-root</b>  | <pre>\$ade refreshview -latest \$exit \$ade useview &lt;YOUR_VIEW_NAME&gt;</pre> |
| After logging in, no apps icons or no Volunteering icon appears                              | Lack or outdated metadata that define root menu structure                          | Re-import metadata   |
| "Invalid username or password" message appears after logon                                   | Lack of user authentication data on weblogic                                       | Configure Security   |
| White screen appears after logon, SQLException: PermissionDenied is displayed in server logs | Wrong datasource configuration on weblogic   | Configure datasource   |

| Issue  | Reason   | Solution   |
|--|--|--|
| Kerberos Ticket Warning appears when entering or refreshing view   | Kerberos ticket expired  | Refresh Kerberos ticket<br><pre>\$ade okinit</pre> |
| When launching jdeveloper an old jdeveloper version (10.x) appears | Expired ADE view (one of the ade view's environmental variables references to the latest jdeveloper version in FMWTOOLS) | Refresh ade view                                   |
|  |  |  |

## How to push the code

- Commit message format
- Push code to gerrit
- References

### Commit message format

The following information must be included in commit message:

```
Bugdb Number:: <BUG_NO>  
Fix Description:: <JIRA_TASK_NO>  
          <TEXTUAL_DESCRIPTION>
```

| Tag                   | Meaning  |
|-----------------------|--|
| <BUG_NO>              | Bug to be used for Volunteering code pushes - see <a href="#">here</a> |
| <JIRA_TASK_NO>        | Related JIRA task number   |
| <TEXTUAL_DESCRIPTION> | Short textual description of what has been implemented                 |

## Push code to gerrit

In order to push code to gerrit, the following command must be entered:

```
git push origin HEAD:refs/for/<BRANCH_NAME>
```

## References

- Working with Gerrit - git command line clients

## How to solve null metadata partition problem

1. Depending on installed FMW, run wlst.sh script from:

```
sh $MW_HOME/oracle_common/common/bin/wlst.sh
```

or

```
sh $MW_HOME_STANDALONE/oracle_common/common/bin/wlst.sh
```

2. Connect to weblogic:

```
connect('<USER>','<PASS>','t3://<HOST>:<PORT>')
```

3 . Create partition:

```
createMetadataPartition(repository='mds-ApplicationMDSDB', partition='<PARTITION_NAME i.e Ethelontiis_EthelontiisUI_webapp1>');
```

## How to start development

- Prerequisites
- Download code
  - To clone git repository
  - To pull latest code
  - To clone local ethelontiis-ui repo
- Install Fusion techstack
- Update mds location in the adf-config.xml
- Configure Fusion dependencies
- Import meta-data
- Prepare database
- Open project in jdeveloper
- Get it running
  - Configure/run integrated WLS
    - Configure datasource
    - Configure security
  - Deploy application on WLS
- References

## Prerequisites

- personal/temporary VM running EL 5
- kerberos password (test if it is working with "ade okinit" command)
- NIS password (pass to VM)
- [gerrit](#) access (instructions are available [here](#))

## Download code

### To clone git repository

Run the attached script providing branch (just git branch name (so in most cases you need *master*)) and git username:

```
$ clone-ethelontiis.sh <branch> <git-username>
```

### To pull latest code

1. Run the attached script from enthelontiis-root directory providing branch name:

```
$ pull-ethelontiis.sh <branch>
```

2. Or if you have git version 1.6.1:

```
git pull && git submodule foreach git pull
```

See [git-submodule\(1\)](#) for details

## To clone local ethelontiis-ui repo

Use following commands to clone our local repository for ethelontiis-ui, including usual message commit hooks to generate Change-Id for Gerrit. Example below, but please take scp statement directly from Gerrit.

```
$ git clone -b R12featuredev ssh://slc07ehh.us.oracle.com/scratch/git/ethelontiis-ui.git  
$ scp -p -P 29418 USERNAME@re-git.us.oracle.com:hooks/commit-msg ethelontiis-ui/.git/hooks/
```

## Install Fusion techstack

Two paths are available here:

1. [Install Fusion Tech Stack using Hcm-devtool](#)
2. Try ADE flavour:

```
$ ade createview -latest -series <SERIES> <YOUR_VIEW_NAME>  
$ ade useview <YOUR_VIEW_NAME>  
$ ade begintrans <YOUR_TRANS_NAME>
```

<SERIES> should match the git branch version, i.e for R13 codebase, **FUSIONAPPS\_PT.V2MIBHCMBRONZE\_LINUX.X64** should be used.

## Update mds location in the adf-config.xml

Verify and change mds location in the **/ethelontiis-root/ethelontiis-ui/.adf/META-INF/adf-config.xml** pointing to your installation path

In adf-config.xml, search for 'mds' to verify the below property absolute path to mds location is correct, if not update it to the correct path, save the changes.

```
<property name="metadata-path" value="/scratch/software/mw_local/FMWTOOLS_(...)/{user.name}/mw_home/jdeveloper/mds"/>
```

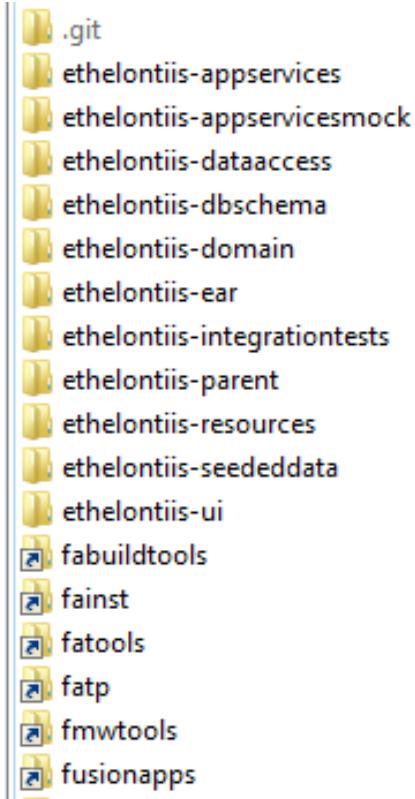
- Replace **{user.name}** with your username
- Replace **FMWTOOLS\_(...)** version if required

## Configure Fusion dependencies

From **ethelontiis-root** directory, run the following script:

```
ethelontiis-ear/src/main/resources/scripts/deployEthelontiis.sh
```

It will create required links to Fusion libraries in **ethelontiis-root** directory:



As the view name is the integral part of the link destination, when creating a new view, all the links have to recreated

## Import meta-data

1. Depending on installed FMW, run wlst.sh script from:

```
sh $MW_HOME/oracle_common/common/bin/wlst.sh
```

or

```
sh $MW_HOME_STANDALONE/oracle_common/common/bin/wlst.sh
```

2. Connect to weblogic:

```
connect('<USER>','<PASS>','t3://<HOST>:<PORT>')
```

3 . Delete the metadata if imported before:

```
deleteMetadata(application='<APPLICATION_NAME>',server='DefaultServer', docs='/oracle/apps/menu/**')
```

- **DefaultServer** might be changed to **AdminServer** for standalone WLS
- <APPLICATION\_NAME> must match the WLS partition name on which the application is deployed i.e. *Ethelontiis\_EthelontiisU1\_webapp1*, when jdev ethelontiis-ui deployment profile is used. See also: [How to solve null metadata partition problem](#)

4. Download rootmenu archive from [here](#) and extract it anywhere.

5. Import metadata:

```
importMetadata(application='<APPLICATION_NAME>',server='DefaultServer', fromLocation='<EXTRACTED_ROOT_MENU_FOLDER_PA  
TH>',docs='/oracle/apps/menu/**')
```

Command output should be as below:

```
Executing operation: importMetadata.  
Operation "importMetadata" completed. Summary of "importMetadata" operation is:  
List of documents successfully transferred:  
/oracle/apps/menu/ResourcesAttrBundle.xlf  
/oracle/apps/menu/root_menu.xml
```

## Prepare database

Run the following piece of sql::

```
DECLARE  
  
l_return_status VARCHAR2(100);  
l_msg_count NUMBER;  
l_msg_data VARCHAR2(2000);  
  
BEGIN  
ask_topology_manager.populate_end_point (  
logical_module_short_name => '<MODULE_NAME i.e. HcmWorkforceReputation>'  
, deployed_protocol => '<WLS_PROTOCOL>'  
, deployed_host => '<WLS_HOST>'  
, deployed_port => '<WLS_PORT>'  
, deployed_context_root => null  
, deployed_module_name => null  
, environment_short_name => null  
, x_return_status => l_return_status  
, x_msg_count => l_msg_count  
, x_msg_data => l_msg_data  
);  
IF (l_return_status = ASK_TOPOLOGY_MANAGER.G_RET_STS_SUCCESS) THEN  
DBMS_OUTPUT.PUT_LINE('SUCCESS: ' || l_msg_data);  
ELSE  
DBMS_OUTPUT.PUT_LINE('ERROR: ' || l_msg_data);  
END IF;  
END;
```

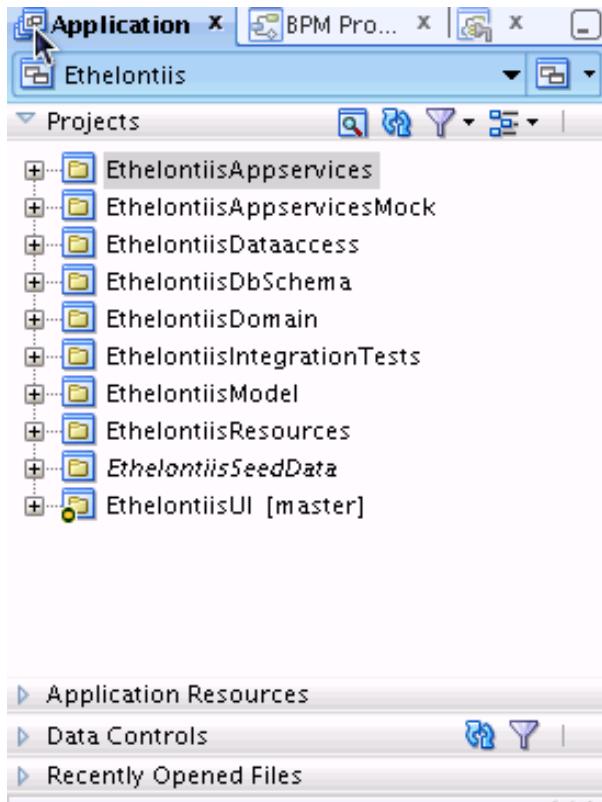
Verify above entry in the following table: **ASK\_DEPLOYED\_APPLICATIONS**;

## Open project in jdeveloper

Bring up JDeveloper by typing the following from command line

```
$jdev&
```

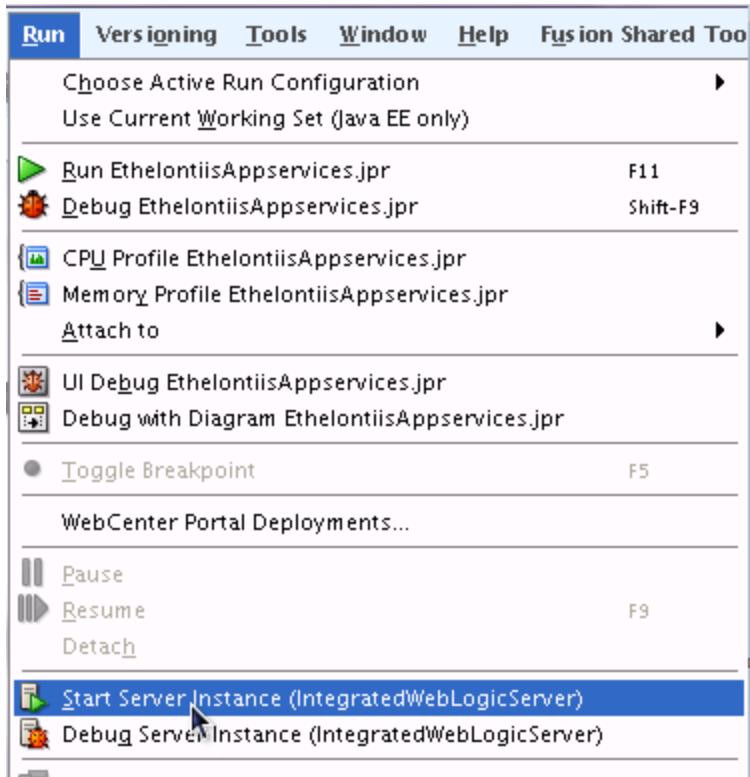
Click on **Open Application** and navigate to the place where you cloned your repository and select the .jws file (ethelontiis-root/ethelontiis-ui/**Ethelontiis.jws**). The following projects list should appear:



## Get it running

### Configure/run integrated WLS

Run WLS from Jdeveloper:



## Configure datasource

When WLS is started configure **ApplicationDB** datasource to point to one of databases using WLS admin console:

The screenshot shows the 'Settings for ApplicationDB' page in the Oracle WLS Admin Console. The 'Connection Pool' tab is selected under the 'Configuration' tab. The URL is set to 'jdbc:oracle:thin:@slc08auc.us.oracle.com:1522:slc08auc'. The Driver Class Name is 'oracle.jdbc.OracleDriver'. In the Properties section, the following Java system properties are defined:

```
user=fusion_runtime
oracle.net.CONNECT_TIMEOUT=30000
```

System Properties and Password fields are also present at the bottom of the page.

## Configure security

Import DefaultAuthenticator.dat file to WLS:

Home Log Out Preferences Record Help

Home >Summary of JDBC Data Sources >ApplicationDB >Summary of Security Realms >myrealm >Providers >DefaultAuthenticator

### Settings for DefaultAuthenticator

**Configuration** **Performance** **Migration**

**Import** **Export**

**Save**

This page allows you to import security data from a file to this security provider's database.

\* Indicates required fields

**Import Format:** DefaultAtn

**\* Import File on Server:** /home/mrybak/DefaultAuthenticator.dat

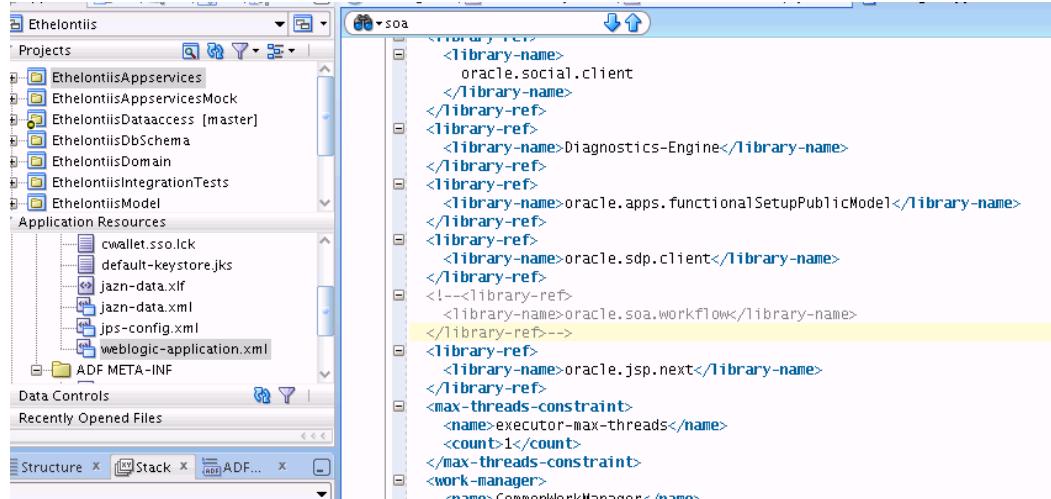
**Supported Import Constraints:** None

**Import Constraints (key=value):**

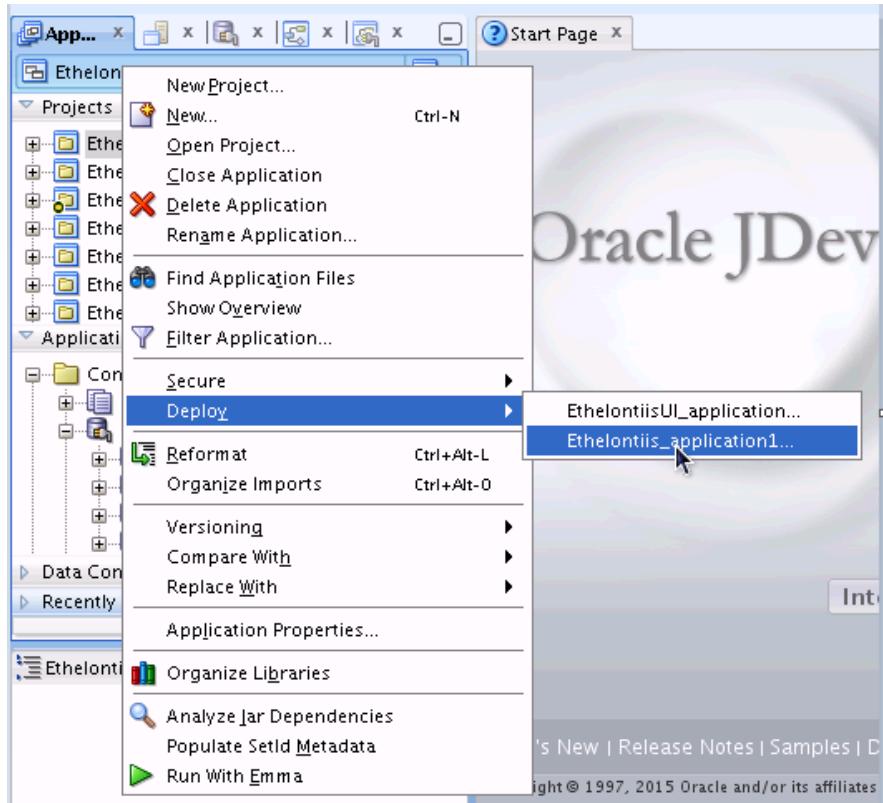
**Save**

## Deploy application on WLS

Comment out **soa-workflow** dependence in **weblogic-application.xml**:



Run **Ethelontiis\_application1** deployment profile:



Go to welcome screen under the link:

<http://<hostname>:<port>/hcmWorkforceReputation/faces/FuseWelcome>

## References

- Working with Gerrit - git command line clients

## Volunteering Documentation

- ADF BC Model
- DB Schema
- Reusable components documentation

## ADF BC Model

## DB Schema

## Reusable components documentation

| Component | Type | Path | Input parameters |
|-----------|------|------|------------------|
|           |      |      |                  |

| Causes<br>chooser - large | <b>PAGE FRAGMENT</b>                                     | <ul style="list-style-type: none"> <li>oracle/apps/hcm/hhr/volunteering/ui/page/causes/chooseCausesLarge.jsff</li> <li>oracle.apps.hcm.hhr.volunteering.ui.causes.bean.ChooseCausesBean</li> </ul>           | N/A   |      |      |      |  |            |                          |
|---------------------------|--|--|---|------|------|------|--|------------|--------------------------|
| Causes<br>chooser - small | <b>PAGE FRAGMENT</b>                                     | <ul style="list-style-type: none"> <li>oracle/apps/hcm/hhr/volunteering/ui/page/causes/chooseCausesSmall.jsff</li> <li>oracle.apps.hcm.hhr.volunteering.ui.causes.bean.ChooseCausesBean</li> </ul>           | N/A   |      |      |      |  |            |                          |
| Additional<br>Information | <b>DECLARATIVE<br/>COMPONENT</b>                         | <ul style="list-style-type: none"> <li>oracle/apps/hcm/hhr/volunteering/ui/page/contactinfo/ContactInfoFormFragment.jsff</li> </ul>  | <table border="1"> <thead> <tr> <th>Name</th><th>Type</th></tr> </thead> <tbody> <tr> <td>bean</td><td><i>oracle.apps.hcm.hhr.volunteering.ui.project.bean.</i></td></tr> </tbody> </table>   | Name | Type | bean | <i>oracle.apps.hcm.hhr.volunteering.ui.project.bean.</i> |            |                          |
| Name                      | Type   |  |   |      |      |      |  |            |                          |
| bean                      | <i>oracle.apps.hcm.hhr.volunteering.ui.project.bean.</i> |  |   |      |      |      |  |            |                          |
| Personal Goal             | <b>DECLARATIVE<br/>COMPONENT</b>                         | <ul style="list-style-type: none"> <li>oracle/apps/hcm/hhr/volunteering/ui/page/personalgoal/PersonalGoalFragment.jsff</li> <li>oracle.apps.hcm.hhr.volunteering.ui.project.bean.PersonalGoalBean</li> </ul> | <table border="1"> <thead> <tr> <th>Name</th><th>Type</th></tr> </thead> <tbody> <tr> <td>bean</td><td><i>oracle.apps.hcm.hhr.volunteering.ui.project.bn</i></td></tr> <tr> <td>autoSubmit</td><td><i>java.lang.Boolean</i></td></tr> </tbody> </table> | Name | Type | bean | <i>oracle.apps.hcm.hhr.volunteering.ui.project.bn</i>    | autoSubmit | <i>java.lang.Boolean</i> |
| Name                      | Type   |  |   |      |      |      |  |            |                          |
| bean                      | <i>oracle.apps.hcm.hhr.volunteering.ui.project.bn</i>    |  |   |      |      |      |  |            |                          |
| autoSubmit                | <i>java.lang.Boolean</i>                                 |  |   |      |      |      |  |            |                          |

| Date time & Location   | <b>TASK FLOW</b>                                       | <ul style="list-style-type: none"> <li>oracle/apps/hcm/hhr/volunteering/ui/flow/projects/timelocation-project-task-flow-definition.xml</li> </ul>  | <table border="1"> <thead> <tr> <th>Name</th><th>Type</th></tr> </thead> <tbody> <tr> <td>project</td><td>oracle.apps.hcm.hhr.volunteering.model.domain.j</td></tr> </tbody> </table>  | Name | Type | project | oracle.apps.hcm.hhr.volunteering.model.domain.j |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
|------------------------|--|--|--|------|------|---------|---|------------|--|---------------------|-------------------------------------|--------------|------------------------------------|---------|------------------------------------|--------|------------------------------------|
| Name                   | Type   |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| project                | oracle.apps.hcm.hhr.volunteering.model.domain.j        |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| General information    | <b>DECLARATIVE COMPONENT</b>                           | <ul style="list-style-type: none"> <li>oracle/apps/hcm/hhr/volunteering/ui/page/projects/common/generalInformationComponent.jsff</li> <li>oracle.apps.hcm.hhr.volunteering.ui.project.bean.GeneralInformationManagedBean</li> <li>oracle.apps.hcm.hhr.volunteering.ui.project.bean.generalInformation.organizationLOVModel.OrgLOVBean</li> <li>oracle.apps.hcm.hhr.volunteering.ui.managedbean.projects.AddOrganizationBean</li> </ul> | <table border="1"> <thead> <tr> <th>Name</th><th>Type</th></tr> </thead> <tbody> <tr> <td>bean</td><td>oracle.apps.hcm.hhr.volunteering.ui</td></tr> <tr> <td>orgLOVBean</td><td>oracle.apps.hcm.hhr.volunteering.ui.OVModel.OrgLOVBean</td></tr> <tr> <td>addOrganizationBean</td><td>oracle.apps.hcm.hhr.volunteering.ui</td></tr> <tr> <td>organization</td><td>oracle.apps.hcm.hhr.volunteering.m</td></tr> <tr> <td>project</td><td>oracle.apps.hcm.hhr.volunteering.m</td></tr> <tr> <td>bundle</td><td>oracle.apps.hcm.hhr.volunteering.m</td></tr> </tbody> </table> | Name | Type | bean    | oracle.apps.hcm.hhr.volunteering.ui             | orgLOVBean | oracle.apps.hcm.hhr.volunteering.ui.OVModel.OrgLOVBean | addOrganizationBean | oracle.apps.hcm.hhr.volunteering.ui | organization | oracle.apps.hcm.hhr.volunteering.m | project | oracle.apps.hcm.hhr.volunteering.m | bundle | oracle.apps.hcm.hhr.volunteering.m |
| Name                   | Type   |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| bean                   | oracle.apps.hcm.hhr.volunteering.ui                    |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| orgLOVBean             | oracle.apps.hcm.hhr.volunteering.ui.OVModel.OrgLOVBean |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| addOrganizationBean    | oracle.apps.hcm.hhr.volunteering.ui                    |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| organization           | oracle.apps.hcm.hhr.volunteering.m                     |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| project                | oracle.apps.hcm.hhr.volunteering.m                     |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| bundle                 | oracle.apps.hcm.hhr.volunteering.m                     |  |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |
| Additional Information |  | TODO: Olek Kamczyk   |  |      |      |         |   |            |  |                     |                                     |              |                                    |         |                                    |        |                                    |

## Volunteering environment

- Default users
- Development databases
- Test environments

### Default users

Default users from DefaultAuthenticator, in case you need some more:

TM-AAIMAR

TM-ABERGKAMP

TM-ABRECEK

TM-ADONOVAR

TM-AKHANNA

TM-ARAMAKRISHNAN

TM-ASTACEY

TM-ASUREKA  
TM-ATHYAGARAJAN  
TM-AWONG  
TM-BECKENBAUER  
TM-BECKHAM  
TM-BROCHE  
TM-BTOOMER  
TM-CKASHIMA  
TM-CMCLAREN  
TM-CSTRAUSS  
TM-CVARMA  
TM-EBURTIS  
TM-EGILBERT  
TM-ELAVER  
TM-EMAVERY  
TM-GADAMS  
TM-GDANYA  
TM-GSALGAR  
TM-GWILLIAMS  
TM-HSHARMA  
TM-HSTOSUR  
TM-IMUKHERJEE  
TM-JCHANG  
TM-JEVERT  
TM-JHARDAWAY  
TM-JHEWITT  
TM-JKHAN  
TM-JMURRAY  
TM-JROZIER  
TM-JZHENG  
TM-KCHARLTON  
TM-KCONLEY  
TM-KHICKS  
TM-KKESWANI  
TM-KLAW  
TM-KMISHRA  
TM-LCOLLINS  
TM-LDESCHAMPS  
TM-LFLEMING  
TM-MASHFORD

TM-MBLOGGER  
TM-MCANNAVARO  
TM-MCASH  
TM-MFITZIMMONS  
TM-MJAIN  
TM-MKHAN  
TM-MKRISHNAN  
TM-MRICHARDS  
TM-MXRICHARDS  
TM-NCRUIJFF  
TM-NRAINAS  
TM-NTADOORI  
TM-PBACHCHAN  
TM-PKAPOOR  
TM-PKUMAR  
TM-PMURALITHARAN  
TM-PPANATTA  
TM-PPANDRAVADA  
TM-PSOMAN  
TM-RAKERS  
TM-RCHOUHAN  
TM-RCONRAD  
TM-RDHONI  
TM-RDRAVID  
TM-RGANGULY  
TM-ROBEROI  
TM-RROSHAN  
TM-RSHARMA  
TM-RSINGH  
TM-SCHITRAPU  
TM-SDIXIT  
TM-SHAGI  
TM-SHOWELL  
TM-SJAYASURIYA  
TM-SKUMBLE  
TM-SRAHMAN  
TM-SSMITH  
TM-STENDULKAR  
TM-STHYAGARAJAN  
TM-SVIJAYAKUMAR  
TM-TCONNORS

TM-TLI

TM-TRASMUSSEN

TM-USINGH

TM-VHAMM

TM-VHITUVALLI

TM-VRAGHUPATHI

## Development databases

| Host                   | Port | SID      | User   | Password | Compatible code branch      | Description                      |
|------------------------|------|----------|--------|----------|-----------------------------|----------------------------------|
| slc08auc.us.oracle.com | 1522 | slc08auc | fusion | fusion   | • master<br>• R12featuredev | Tomasz's P. vm                   |
| slc07zha.us.oracle.com | 1522 | slc07zha | fusion | fusion   | master                      | Majkel's vm                      |
| slcak354.us.oracle.com | 1586 | hwrdB1   | fusion | fusion   | master                      | SMOKE database                   |
| slcak354.us.oracle.com | 1602 | devdb8   | fusion | fusion   | R12featuredev               | Yet Another Sree's Team database |

## Test environments

### R12featuredev SMOKE

| Module                        | Web URL   | Web User credentials | Database connection info             |
|-------------------------------|---|----------------------|--------------------------------------|
| EarHcmWorkforceReputation.ear | <a href="http://slc09jaq.us.oracle.com:7011/hcmWorkforceReputation/faces/FuseWelcome">http://slc09jaq.us.oracle.com:7011/hcmWorkforceReputation/faces/FuseWelcome</a> | ABRADLEY/Welcome1    | slc09jaq.us.oracle.com:1522:slc09jaq |

### R13 SMOKE

| Module                        | Web URL   | Web User credentials | Database connection info           |
|-------------------------------|---|----------------------|------------------------------------|
| EarHcmWorkforceReputation.ear | <a href="http://slc05zqj.us.oracle.com:7011/hcmWorkforceReputation/faces/FuseWelcome">http://slc05zqj.us.oracle.com:7011/hcmWorkforceReputation/faces/FuseWelcome</a> | ABRADLEY/Welcome1    | slcak354.us.oracle.com:1586:hwrdB1 |

## Wellness - essentials

### Beehive site

<https://stbeehive.oracle.com/teamcollab/wiki/HCM+Employee+Wellness:Oracle+Fusion+Employee+Wellness>

### Design By Contract

<https://stbeehive.oracle.com/content/dav/st/GRC, Taleo and HCM Platform Development/Documents/Design By Contract/>

### BugDB filters

- General
  - [https://bug.oraclecorp.com/pls/bug/webbug\\_reports.Saved\\_Search?id=wellness](https://bug.oraclecorp.com/pls/bug/webbug_reports.Saved_Search?id=wellness)
- Wellness UI "blockers"
  - [https://bug.oraclecorp.com/pls/bug/WEBBUG\\_REPORTS.do\\_edit\\_report?rpt\\_title=&fcont\\_arr=10957&fid\\_arr=1&fcont\\_arr=11%2C30%2C15&fid\\_arr=4&fcont\\_arr=1%2C2%2C3&fid\\_arr=5&fcont\\_arr=%3D&fid\\_arr=159&fcont\\_arr=&fid\\_arr=122&fcont\\_arr=AN](https://bug.oraclecorp.com/pls/bug/WEBBUG_REPORTS.do_edit_report?rpt_title=&fcont_arr=10957&fid_arr=1&fcont_arr=11%2C30%2C15&fid_arr=4&fcont_arr=1%2C2%2C3&fid_arr=5&fcont_arr=%3D&fid_arr=159&fcont_arr=&fid_arr=122&fcont_arr=AN)

D&fid\_arr=136&fcont\_arr=&fid\_arr=138&fcont\_arr=INTERNAL%25&fid\_arr=200&fcont\_arr=&fid\_arr=10&fcont\_arr=off&fid\_arr=157&fcont\_arr=QB&fid\_arr=125&fcont\_arr=2&fid\_arr=100&cid\_arr=2&cid\_arr=14&cid\_arr=3&cid\_arr=9&cid\_arr=8&cid\_arr=7&cid\_arr=30&cid\_arr=11&cid\_arr=6&cid\_arr=5&cid\_arr=51&cid\_arr=13&f\_count=12&c\_count=12&query\_type=2

- Unassigned, open UI bugs
  - [https://bug.oraclecorp.com/pls/bug/WEBBUG\\_REPORTS.do\\_edit\\_report?rpt\\_title=&fcont\\_arr=10957&fid\\_arr=1&fcont\\_arr=11&fid\\_arr=4&fcont\\_arr=HKHAC&fid\\_arr=6&fcont\\_arr=&fid\\_arr=10&fcont\\_arr=off&fid\\_arr=157&fcont\\_arr=2&fid\\_arr=100&cid\\_arr=2&cid\\_arr=3&cid\\_arr=9&cid\\_arr=8&cid\\_arr=7&cid\\_arr=30&cid\\_arr=11&cid\\_arr=6&cid\\_arr=5&cid\\_arr=51&cid\\_arr=13&f\\_count=6&c\\_count=11&query\\_type=1](https://bug.oraclecorp.com/pls/bug/WEBBUG_REPORTS.do_edit_report?rpt_title=&fcont_arr=10957&fid_arr=1&fcont_arr=11&fid_arr=4&fcont_arr=HKHAC&fid_arr=6&fcont_arr=&fid_arr=10&fcont_arr=off&fid_arr=157&fcont_arr=2&fid_arr=100&cid_arr=2&cid_arr=3&cid_arr=9&cid_arr=8&cid_arr=7&cid_arr=30&cid_arr=11&cid_arr=6&cid_arr=5&cid_arr=51&cid_arr=13&f_count=6&c_count=11&query_type=1)

## Wellness devices

1. Fitbit, Flex wristband video user guide

## UI dev instance

<http://slc03gcv.us.oracle.com:7101/uiShell-ViewController-context-root/faces/default.jspx>

## Git repositories

HWR/hwr-root

## Requesting GIT access

Send an e-mail to *hcplatform\_re\_grp* - details here: [Requesting GIT Access](#)

## UI

HWR/hcmWorkforceReputation

HWR/hwr-cardea-resources

## To Schedule the Connector Jobs using UI

Login as: *APPLICATION\_IMPLEMENTATION\_CONSULTANT / Welcome1*

## How to enable Wellness for ABradley

[How to enable Wellness for ABradley-new.pdf](#)

## Points of contact

- Malini Chakrabarti ([malini.chakrabarti@oracle.com](mailto:malini.chakrabarti@oracle.com)) - general manager
- Yasin Cengiz ([yasin.cengiz@oracle.com](mailto:yasin.cengiz@oracle.com)) - general, backend development manager
- Huyvu Nguyen ([huyvu.nguyen@oracle.com](mailto:huyvu.nguyen@oracle.com)) - UI development manager
- Tim Ou ([tim.ou@oracle.com](mailto:tim.ou@oracle.com)) - UI development

## Attachments

| File  | Modified                         |
|---|----------------------------------|
| ›  wellnessDataModel.png                            | Sep 29, 2014 by Bartek Styrylski |
| ›  EmployeeHealthAndWellnessPositioning.pptx        | Sep 29, 2014 by Bartek Styrylski |
| ›  Goal_Contest_CLD_Sep_22.png                      | Sep 29, 2014 by Bartek Styrylski |
| ›  UserDataDiagram2.jpg                             | Sep 29, 2014 by Bartek Styrylski |
| ›  UnderStanding of Wellness and WRM BackEnd(1).ppt | Oct 10, 2014 by Tomasz Tomalak   |
| ›  PluggableConnectorsInstruction.zip               | Oct 23, 2015 by Tomasz Tomalak   |
| ›  How to enable Wellness for ABradley-new.pdf      | Dec 15, 2015 by Wojciech Piekaj  |

[Download All](#)

## Wellness UI

- Wellness UI backlog
  - Fitbit authentication
    - Fitbit redirection issues
    - How to run Fitbit in JDev
    - Info from Ramya
    - Tracking Services Authorization
  - Wellness Program Goals management
- Wellness UI dev setup
- Fitbit users
- Bugfixing and debugging
- Applying UI shell patch along with fresh dependencies
- New labels requests
- Problem with navigation to Employee Wellness
- jazn-data.xml files
- Switching database in Weblogic
- Script for automatic patching wellness standalone version
- Working users for Wellness Application
- Avoid using af:foreach tag

### Wellness UI backlog

- Fitbit authentication
  - Fitbit redirection issues
  - How to run Fitbit in JDev
  - Info from Ramya
  - Tracking Services Authorization
- Wellness Program Goals management

### Fitbit authentication

#### BugDB

[https://bug.oraclecorp.com/pls/bug/webbug\\_print.show?c\\_rptno=20173635](https://bug.oraclecorp.com/pls/bug/webbug_print.show?c_rptno=20173635)

#### Goals

- Make all the necessary changes to uptake new interface for Fitbit authentication in Wellness
- Make sure the return from Fitbit site works as expected, i.e. user gets back to the same Wellness page

## Contacts

- Olek and Tomasz P. - providing authentication service implementation
- Danny Trieu - dev, he implemented previous solution
- Ramya - dev, she worked on previous solution and return problem

## Related content

- Fitbit redirection issues
- How to run Fitbit in JDev
- Info from Ramya
- Tracking Services Authorization

## Fitbit redirection issues

### **IFrame issue - from Sathya ([sathya.anandan@oracle.com](mailto:sathya.anandan@oracle.com))**

[http://www.fitbit.com/oauth/authorize?oauth\\_token=5d12fc4625694a9e9bc62aa0e12362c6](http://www.fitbit.com/oauth/authorize?oauth_token=5d12fc4625694a9e9bc62aa0e12362c6)

The fitbit page has the Response Header X-Frame-Option to set as SAME ORIGIN. This will not allow the page to be embedded. They need to open this page for embed or provide us with some other url.

#### ▼ Response Headers [view source](#)

```
Cache-control: no-store, no-cache, must-revalidate
Content-Language: en-US
Content-Type: text/html; charset=UTF-8
Date: Mon, 03 Nov 2014 21:59:37 GMT
Expires: Thu, 01 Jan 1970 00:00:00 GMT
Pragma: no-cache
Proxy-Connection: Keep-Alive
Server: nginx
Set-Cookie: fhttps=""; Expires=Thu, 01-Jan-1970 00:00:10 GMT; Path=/
Transfer-Encoding: chunked
X-Frame-Options: SAMEORIGIN
X-UA-Compatible: IE=edge,chrome=1
```

### **Fusion redirection - from Sathya**

|                      |  |
|----------------------|--|
| <b>Subject:</b>      | Re: Direct URL redirect for any application in fusion.   |
| <b>Date:</b>         | Thu, 06 Nov 2014 15:43:13 -0800  |
| <b>From:</b>         | santosh kumar <santosh.x.kumar@oracle.com>   |
| <b>Organization:</b> | Oracle Corporation   |
| <b>To:</b>           | <a href="mailto:sathya.anandan@oracle.com">sathya &lt;sathya.anandan@oracle.com&gt;</a>  |
| <b>CC:</b>           | <a href="mailto:huyvu.nguyen@oracle.com">huyvu.nguyen@oracle.com</a> , <a href="mailto:kent.spaulding@oracle.com">kent.spaulding@oracle.com</a> , <a href="mailto:danny.trieu@oracle.com">danny.trieu@oracle.com</a> |

Sathya

in FUSE (older REL7-9 code line) we did had one feature call punchout where user will use redirect URL to punch out from FUSE to classic flow which might be of different HCM J2EE (Talent, Comp, BEN i.e.) and we also had the option of opening up any card/tab directly by passing this for HcmFusionHome (older FUSE) view id

ex - in **REL9** it worked like this [http://slc03spj.us.oracle.com:7011/hcmCore/faces/HcmFusionHome?fnl=%3BcardToOpen%253DHRD\\_HCMCA REERDEV\\_FUSE\\_CAREERDEV\\_HOME%253BtabToOpen%253DHRD\\_CAREERDEV\\_GOALDETAIL](http://slc03spj.us.oracle.com:7011/hcmCore/faces/HcmFusionHome?fnl=%3BcardToOpen%253DHRD_HCMCA REERDEV_FUSE_CAREERDEV_HOME%253BtabToOpen%253DHRD_CAREERDEV_GOALDETAIL)

Now in **REL11** with FUSE+ unified home our implementation have changes, you can use this to navigate directly to individual card/tab

FndOverview?fnfGlobalItemNodId=<itemNode id in Navigator>&fnfTaskItemNodId=<itemNode id in taskmenu>

but for the fnfTaskItemNodId (i.e. tabToOpen), it will work in P4FA BP8

You can run our overview page by typing the following url such as below:

[http://<host>:<port>/productLifecycleManagement/face/FndOverview?fnfGlobalItemNodId=itemNode\\_product\\_management\\_portfolios\\_fuse](http://<host>:<port>/productLifecycleManagement/face/FndOverview?fnfGlobalItemNodId=itemNode_product_management_portfolios_fuse)

Regards  
-Santosh

On 11/6/2014 3:08 PM, sathya wrote:

Santosh,

I have a quick question. With fusion, is there a way to land on the actual application directly? Like a direct link to wellness application as per say.

**Issue:** We need to do oauth with some service and it requires to be redirected to the application with the access token. With the fuse integration, we always land on the overview page. Is there a way to target the redirect url to open up a specific application directly?

It will be awesome if you can shed some light on this or point us to someone with input on this.

Thanks  
Sathya

#### How to run Fitbit in JDev

##### How to run Fitbit in JDev

In order to simplify testing and run Fitbit auth mechanism locally in JDev, take the attached [fitbit.tar](#) and do the following:

1. Replace wellness-config-mock.xml - it has the FitbitMock commented out with real Fitbit related beans set up
2. Add FitbitRemoteSourceClient.java and HttpClientFactoryBean.java to your source (they go in oracle.apps.hcm.hwr.wellness.model.service.adapter package) - these classes are needed by Spring context, they are simplified to mock some functionalities that we don't really want to test, that were imposing some additional, difficult dependencies (like getting API config from the database etc.)
3. For now, replace the recompiled FitbitRemoteSourceClient.class in your hwr-cardea-appservices-XXX.jar - this is to skip autowiring of two difficult dependencies
4. Go to weblogic console and run the following
  - Home >Environment >Servers >DefaultServer
  - Keystores > Change - Custom Identity and Java Standard Trust -> Save
  - SSL -> Advanced -> Hostname Verification: None AND check "Use JSSE SSL" checkbox -> Save
  - General -> SSL Listen Port Enabled checked -> Save
  - Restart WLS

You're good to go now!

#### Info from Ramya

**Note that this information refers to the old Fitbit auth implementation, so it's somewhat outdated now**

#### How to run Fitbit auth in JDev - from Ramya

The steps below are the hacks to allow Fitbit auth real implementation when running build-in JDev WLS. In fact, they are valid for previous implementation. With the ongoing changes and the new interface, one may need to figure out again how to run it, some discrepancies are already **marked in red**. Anyway, those steps are not required when deployed in standalone WLS.

1. Swap FitBit mock with real implementation in wellness-config-mock.xml
2. fitbit-config.xml from lib/WEB-INF/hwr-config.jar to be moved to wellnessModel/classes; **Where is fitbit-config.xml?**
3. fitbit.properties as above
4. DefaultFitbitOauthService.java
  - properties are from fitbit.properties, hardcode them ( = "dfsfs"); **What are the properties?**
  - userPreferencesProvider is commented out with all the references, in localUserDetail() return new LocalUserDetails("1")
  - profileService, profileSyncInfoService and sourceService - commented out with completeAuthorization which is referring that
  - **What about entityCache?**
5. Weblogic console
  - Home >Environment >Servers >DefaultServer
  - Keystores > Change - Custom Identity and Java Standard Trust -> Save
  - SSL -> Advanced -> Hostname Verification: None AND check "Use JSSE SSL" checkbox -> Save
  - General -> SSL Listen Port Enabled checked -> Save

- Restart WLS

With the steps above you should be able to access Fitbit authentication (open the app, click my profile, click Fitbit logo at the very bottom). Keep in mind that Fitbit logo is an external image and proxy is needed to display it, so it doesn't show up when accessed via browser in the VM directly.

### **Fitbit auth UI flow - from Ramya**

1. Login.jsff
2. AuthenticationBean.java
3. AuthenticationDC.java
4. DefaultFitbitOauthService

### **Tracking Services Authorization**

#### **Contents**

#### **1. Overview**

This document describes implementation of Tracking Services Authentication

It contains Tracking Services authentication from two perspectives:

- a) Employee Wellness perspective
- b) My Wellness perspective

Below document describe all interactions with Wellness Application that are necessary to setup Tracking Service communication and retrieve data collected by Tracking Service.

There are following steps necessary to complete it:

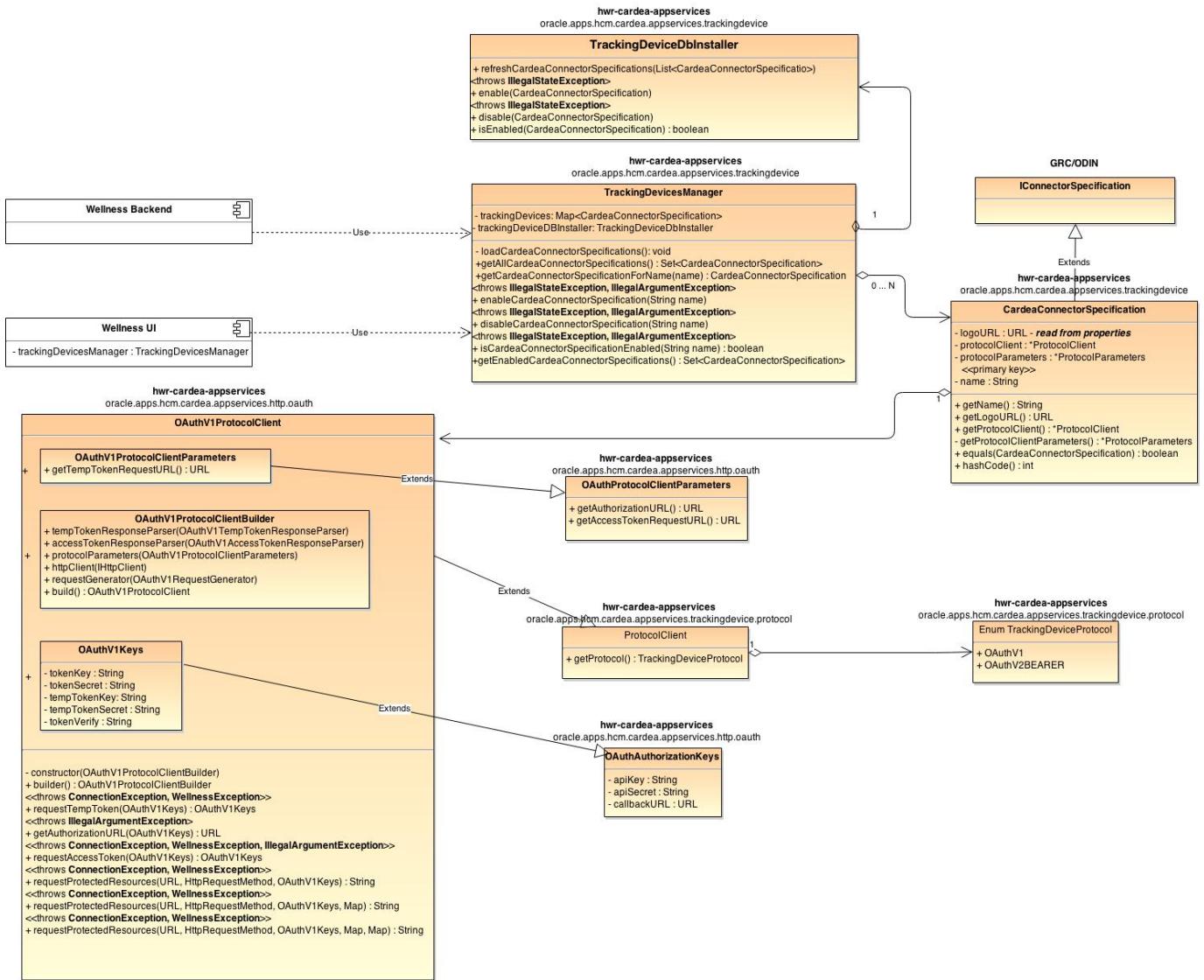
From Wellness application perspective:

- a) provide information necessary use Tracking Service (example: authorization data)
- b) schedule jobs to retrieve data from Tracking Service

From User perspective:

- c) enable tracking data with specific Tracking Service
- d) authorize Wellness application to access tracking data for given user in selected Tracking Service

Technical designs presented below base on following interfaces (provided by back-end team):



## 2. Employee Wellness Authorization

As mentioned above there are two steps needed to start retrieving data from Tracking Service

- providing client key and client secret (for OAuth protocols) to given tracking service (like FitBit)

### Tracking Services

Save

|   |                  |        |        |              |               |                |              |           |                  |                 |  |
|---|------------------|--------|--------|--------------|---------------|----------------|--------------|-----------|------------------|-----------------|--|
| Client Key  | testKey          |        |        |              |               |                |              |           |                  |                 |  |
| Client Secret   | *****            |        |        |              |               |                |              |           |                  |                 |  |
| <table border="1"> <tr> <td>Status</td> <td>Active</td> </tr> <tr> <td>Next Refresh</td> <td>Sept 20, 2014</td> </tr> <tr> <td>Last Refreshed</td> <td>Aug 28, 2014</td> </tr> <tr> <td>Frequency</td> <td>3 week intervals</td> </tr> <tr> <td colspan="2"><b>Schedule</b></td> </tr> </table> |                  | Status | Active | Next Refresh | Sept 20, 2014 | Last Refreshed | Aug 28, 2014 | Frequency | 3 week intervals | <b>Schedule</b> |  |
| Status  | Active           |        |        |              |               |                |              |           |                  |                 |  |
| Next Refresh  | Sept 20, 2014    |        |        |              |               |                |              |           |                  |                 |  |
| Last Refreshed  | Aug 28, 2014     |        |        |              |               |                |              |           |                  |                 |  |
| Frequency   | 3 week intervals |        |        |              |               |                |              |           |                  |                 |  |
| <b>Schedule</b>   |                  |        |        |              |               |                |              |           |                  |                 |  |

- scheduling when connection will be executed and data retrieved

Schedule Connections

### Recurring Schedule

**Fusion**

Date/Time of First Run: Hours 12 : Minutes 00 AM/PM

Frequency: Hourly, Daily, Weekly (Hourly selected)

Hours: 8, Days: 1, Weeks: 1 Week

**Fitbit**

Date/Time of First Run: Hours 12 : Minutes 00 AM/PM

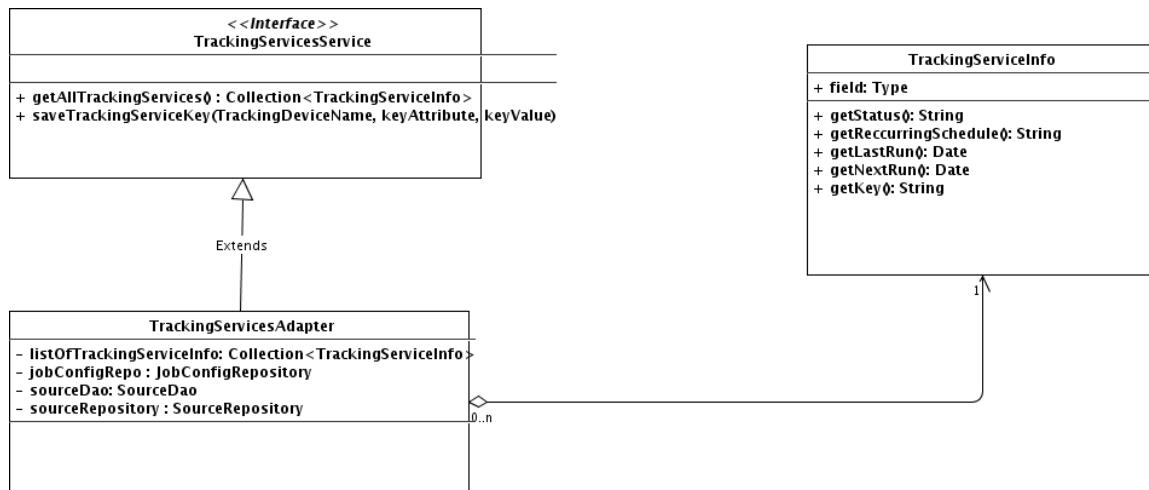
Frequency: Hourly, Daily, Weekly (Hourly selected)

Hours: 8, Days: 1, Weeks: 1 Week

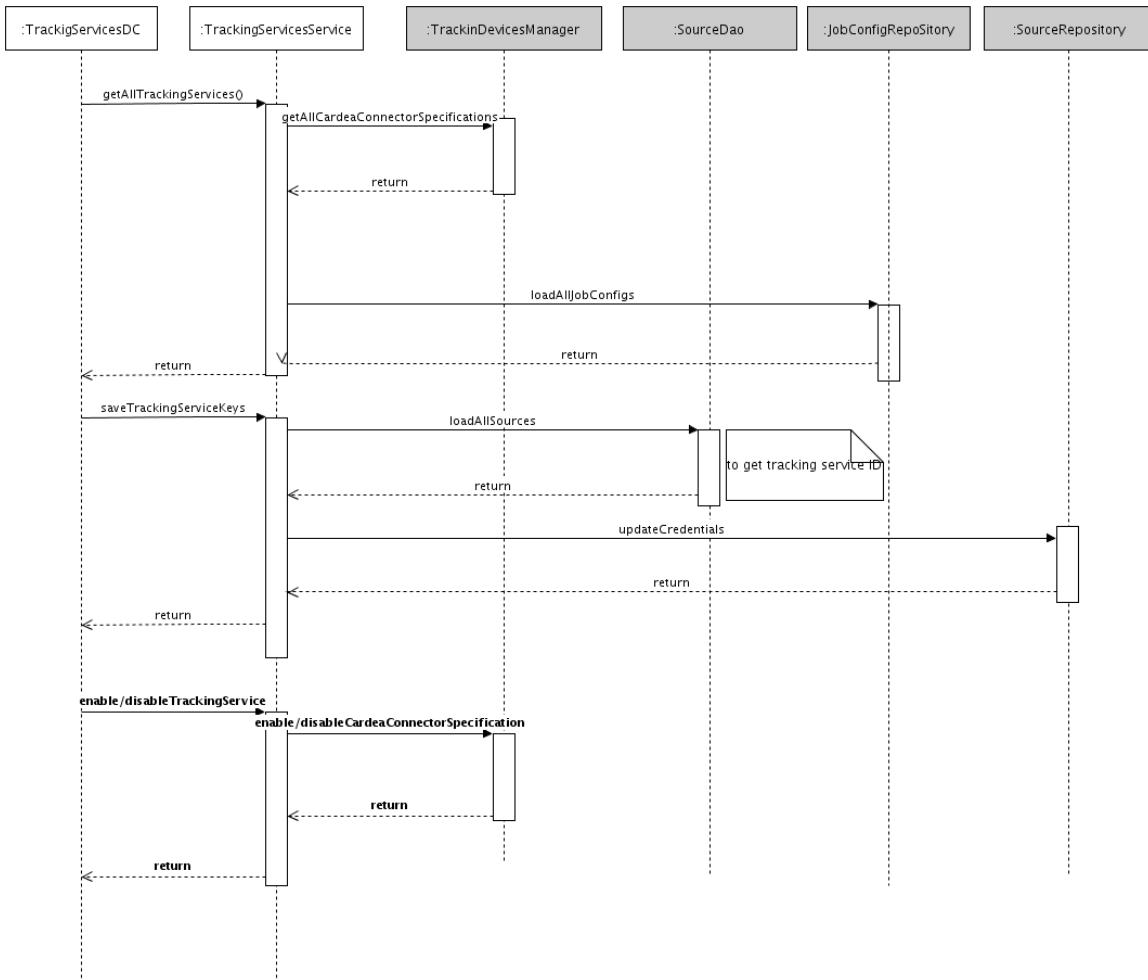
Save and Close Cancel

#### 2.1. Authorization

First step to setup Tracking Services configuration is to provide authorization information that allow Wellness application to request for access to tracking data.



Below interaction diagram (that didn't consider UI part - beans and pagedefs)



Mockup:

1. List of all tracking services

## Employee Wellness

|   |  |          |
|---|--|----------|
| <b>Wellness Program</b><br><br>0% Participation Rate | <b>Tracking Services</b><br>No Image<br><b>Tracking service 1</b><br>No Image<br><b>Tracking service 2</b><br>Edit | Schedule |
| <b>Competitions</b><br><br>0% Participation Rate     |  | Edit     |
| <b>Incentives</b><br><b>0</b><br>Unpaid Incentives  |  |          |
| <b>Tracking Services</b><br>No Image  |  |          |

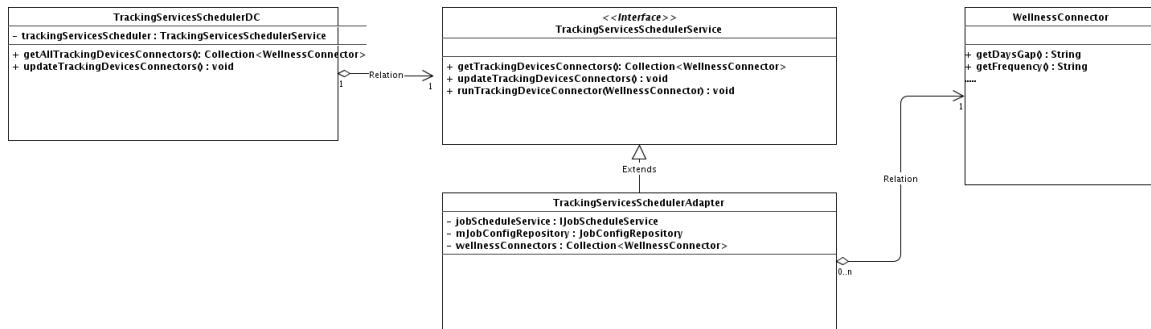
2. Configuration of single tracking device

# Employee Wellness

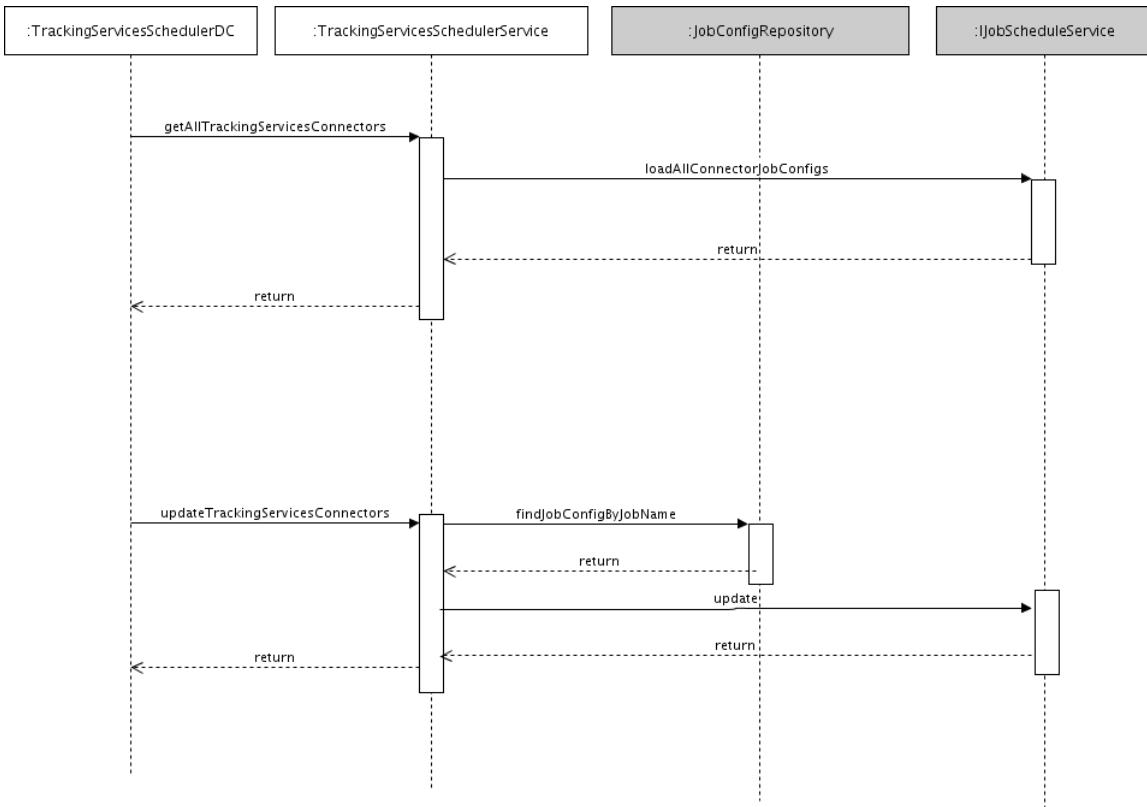
|   |   |   |
|---|---|---|
| <b>Wellness Program</b><br><br>0% Participation Rate | <br><b>Tracking service 1</b><br><br>Application client key: <input type="text"/><br>Application secret key: <input type="text"/><br>Is Tracking service enabled: <input type="checkbox"/> | <input type="button" value="Save"/> <input type="button" value="Cancel"/> |
| <b>Competitions</b><br><br>0% Participation Rate     |   |   |
| <b>Incentives</b><br>0<br>Unpaid Incentives   |   |   |
| <b>Tracking Services</b><br>No Image  |   |   |

## 2.2. Scheduling

Second step is to configure scheduling for connector. This is specification of how often data will be retrieved from Tracking Service (like FitBit) to Wellness application.



Interaction diagram below (without Beans and PageDef structures):



Mockup:

## Schedule Tracking Devices

| Recurring Schedule   |   | Save and Close           | Cancel     |         |    |         |        |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
|--|---|--------------------------|------------|---------|----|---------|--------|-------|----|-------------|---|-------|---|------|---|-------|--------|--|-----------------------------|--|--|--|--|--|--|--|------------------------------|--|--|--|--|--|--|--|--|
| <input checked="" type="checkbox"/> Tracking Device 1 <table> <tr> <td>* Date/Time of First Run</td> <td>04/17/2015</td> <td>Hours</td> <td>01</td> <td>Minutes</td> <td>30</td> <td>AM/PM</td> <td>AM</td> </tr> <tr> <td>* Frequency</td> <td><input checked="" type="radio"/> Hourly</td> <td>Hours</td> <td>1</td> <td>Days</td> <td>1</td> <td>Weeks</td> <td>1 Week</td> </tr> <tr> <td></td> <td><input type="radio"/> Daily</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><input type="radio"/> Weekly</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |   | * Date/Time of First Run | 04/17/2015 | Hours   | 01 | Minutes | 30     | AM/PM | AM | * Frequency | <input checked="" type="radio"/> Hourly | Hours | 1 | Days | 1 | Weeks | 1 Week |  | <input type="radio"/> Daily |  |  |  |  |  |  |  | <input type="radio"/> Weekly |  |  |  |  |  |  |  |  |
| * Date/Time of First Run   | 04/17/2015                              | Hours                    | 01         | Minutes | 30 | AM/PM   | AM     |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
| * Frequency  | <input checked="" type="radio"/> Hourly | Hours                    | 1          | Days    | 1  | Weeks   | 1 Week |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
|  | <input type="radio"/> Daily             |                          |            |         |    |         |        |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
|  | <input type="radio"/> Weekly            |                          |            |         |    |         |        |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
| <input checked="" type="checkbox"/> Tracking Device 2 <table> <tr> <td>* Date/Time of First Run</td> <td>04/17/2015</td> <td>Hours</td> <td>01</td> <td>Minutes</td> <td>30</td> <td>AM/PM</td> <td>AM</td> </tr> <tr> <td>* Frequency</td> <td><input checked="" type="radio"/> Hourly</td> <td>Hours</td> <td>1</td> <td>Days</td> <td>1</td> <td>Weeks</td> <td>1 Week</td> </tr> <tr> <td></td> <td><input type="radio"/> Daily</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td><input type="radio"/> Weekly</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |   | * Date/Time of First Run | 04/17/2015 | Hours   | 01 | Minutes | 30     | AM/PM | AM | * Frequency | <input checked="" type="radio"/> Hourly | Hours | 1 | Days | 1 | Weeks | 1 Week |  | <input type="radio"/> Daily |  |  |  |  |  |  |  | <input type="radio"/> Weekly |  |  |  |  |  |  |  |  |
| * Date/Time of First Run   | 04/17/2015                              | Hours                    | 01         | Minutes | 30 | AM/PM   | AM     |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
| * Frequency  | <input checked="" type="radio"/> Hourly | Hours                    | 1          | Days    | 1  | Weeks   | 1 Week |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
|  | <input type="radio"/> Daily             |                          |            |         |    |         |        |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |
|  | <input type="radio"/> Weekly            |                          |            |         |    |         |        |       |    |             |   |       |   |      |   |       |        |  |                             |  |  |  |  |  |  |  |                              |  |  |  |  |  |  |  |  |

### 3. My Wellness Authentication

In order to collect use data from tracking service in Wellness application user must specify "Activity Tracking Service" (for which data will be collected):

Activity Tracking Service \*

User Identification test@test.com

and then authorize Wellness to access tracking data:

**registration**

**RegisterFitbit**

|           |               |                 |      |
|-----------|---------------|-----------------|------|
| Name      | John Anderson | Height          | 5'10 |
| Gender    | MALE          | Weight          | 150  |
| Age       | 20            | Body Mass Index | 21.0 |
| Job Title | Developer     |                 |      |

---

Activity Tracking Service Fitbit

User Identification test@test.com

**selected cor**

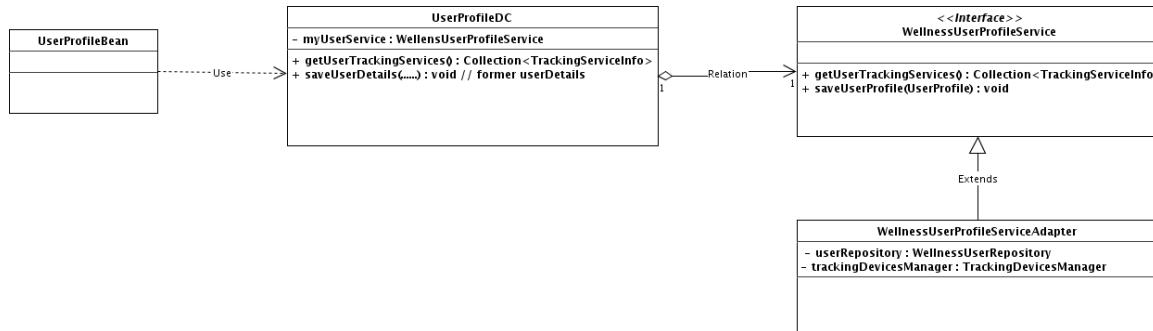
---

Well-being Status Neutral

---

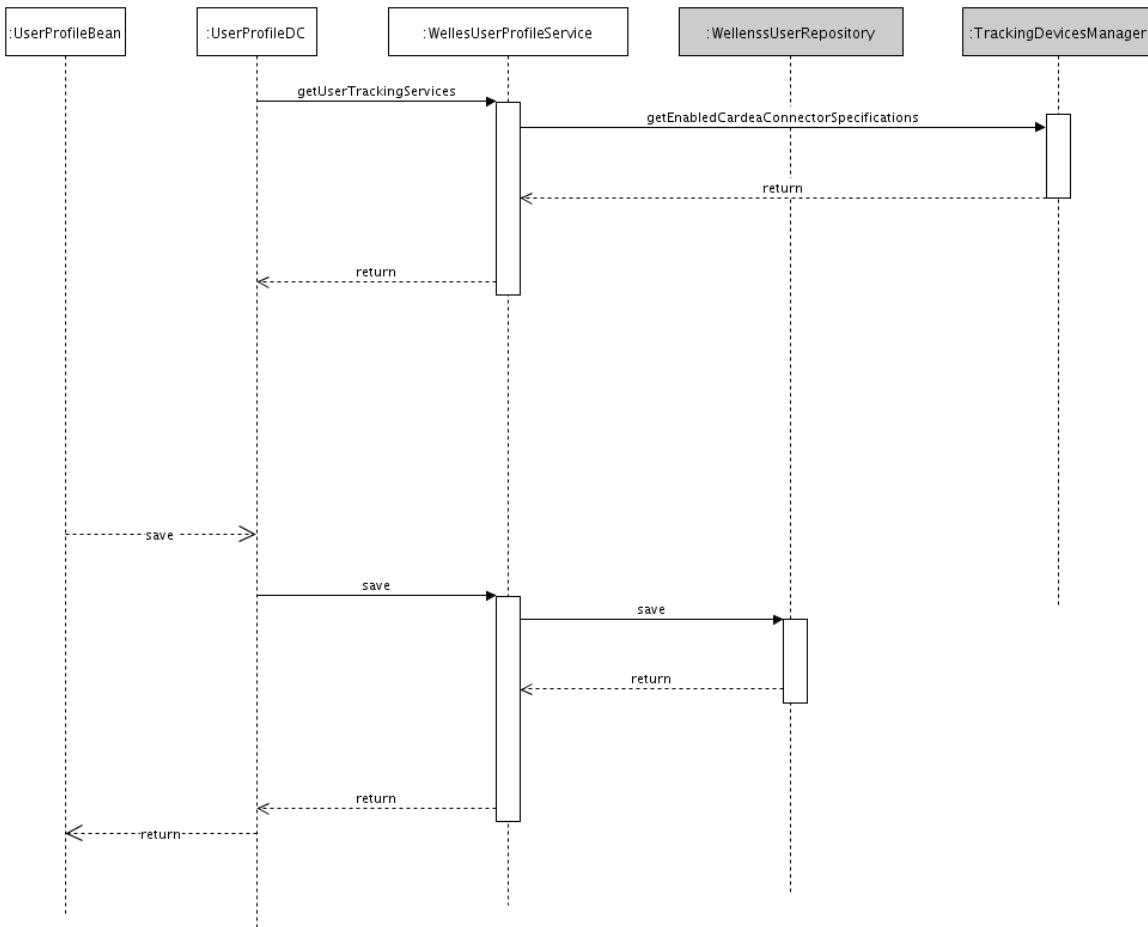
Notification Preference Wellness Application

### 3.1. Tracking Service Selection



#### Implementation notes:

- current implementation doesn't support list of tracking devices - only one service 'FitBit' is hardcoded



Mockup:

## My Wellness Profile

Name Ana Bradley \* Age 25

\* Job Title Developer \* Height 6 Feet 1 Inches

\* Gender MALE \* Weight 75 Pounds

Tracking services list: Tracking service 1

Authorize Tracking Service 1

---

Well-being Status  Not Very Well  Neutral  Well  Very Well

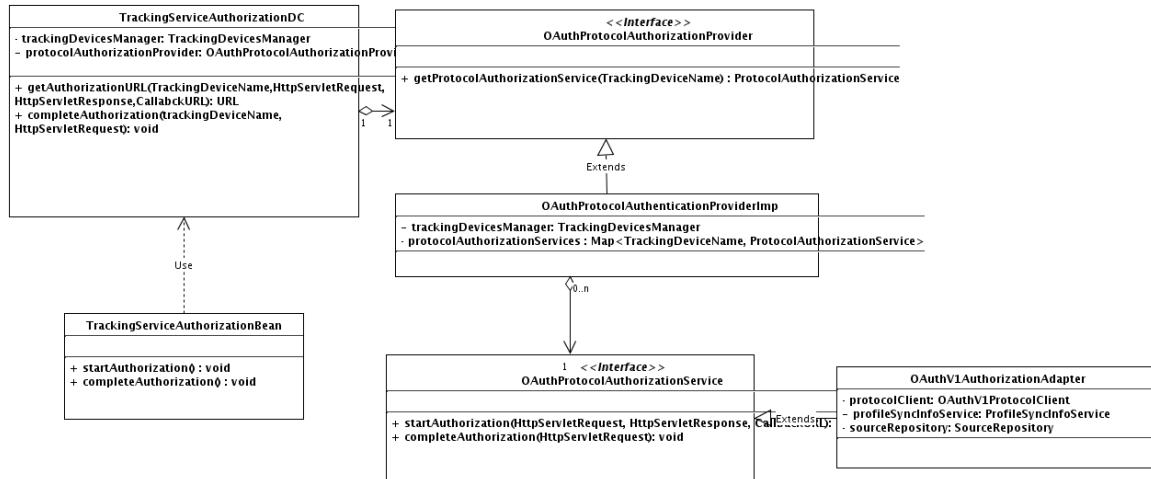
---

Notification Preference  Wellness Web Application  
 E-mail

OK Cancel

### 3.2. Tracking Service Authorization

Authorization is performed by protocol provided by server-side services. Justification of below design is to hide implementation of communication with server-side components (authorization protocols) from UI code.



In diagram above `TrackingServiceDC` handles authentication process. Two methods exposed by this object make use of fact that for all supported protocols authorization is performed in two steps.

- First step is to obtain authorization URL. Authorization URL is exposed by Tracking Service (like FitBit) and allow user to authorize Wellness application to access his tracking data. Having received authorization URL Wellness application redirects user to this URL - where he is prompted for providing authorization data (like user/password). After successfull authorization Tracking Service sends back

'verifier' that is later used to confirm that authorization succeeded.

- In second step verification data are send to Tracking Service and after successful verification data are saved for later use (to periodically retrieve tracking data)

TrackingDeviceDC uses TrackingDevicesManager to get description of authorization protocol used for TrackingDevice active for user.

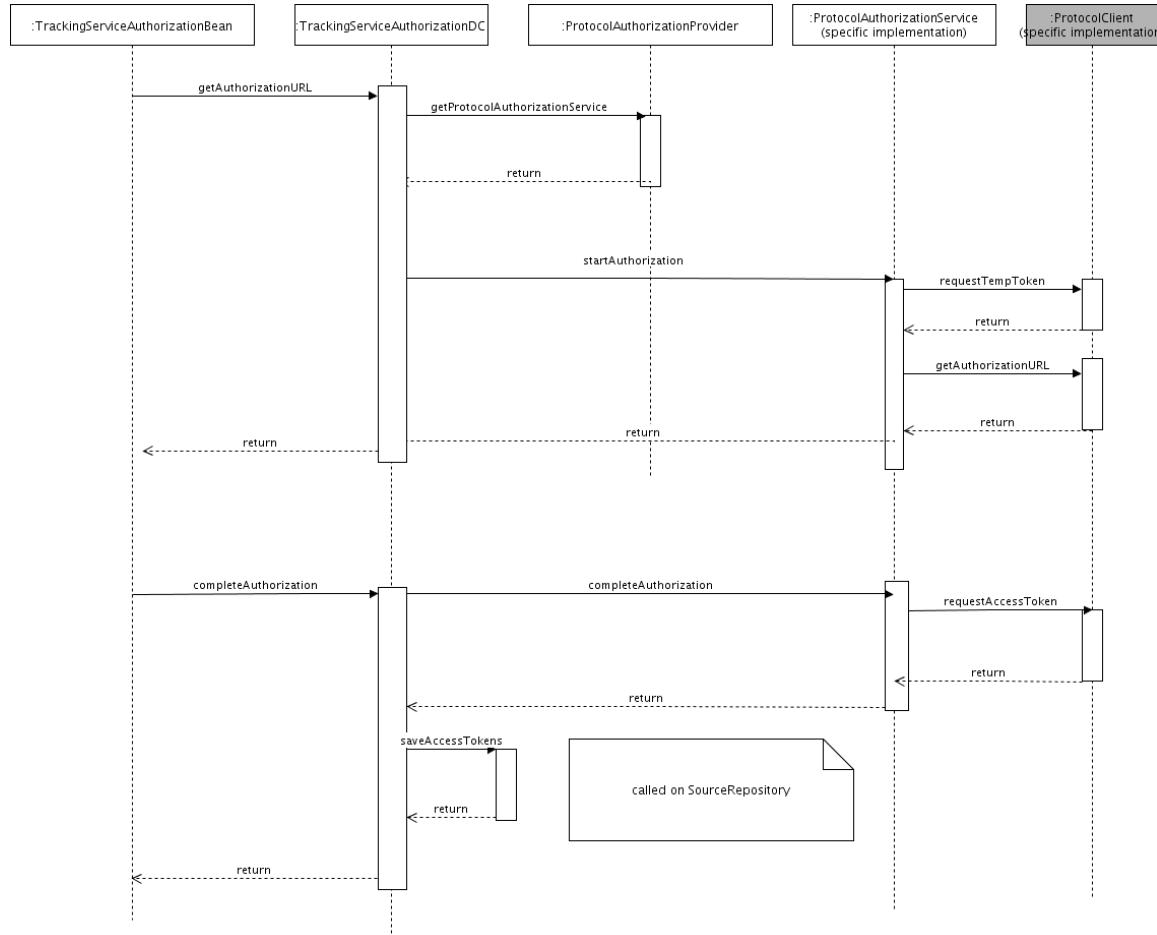
Based on that description (name) TrackingDeviceDC get authentication implementation specific for given protocol (instance of OAuthProtocolAuthenticationService). Specific OAuthProtocolAuthenticationService implementations (for OAuthV1 or OAuthV2) will handle authorization for specific protocol hiding all communication/implementation details under interface. This allows to add next specific implementation without touching existing code.

Important role here is played by OAuthProtocolAuthenticationProvider service that is responsible for building map of all supported Authentication Protocols and then for retrieving implementation specific for given protocol name. OAuthProtocolAuthenticationProviderImpl is called on application start.

#### *Implementation notes:*

- Diagram above assumes that authorization is performed in two steps so interface to authentication service exposes two methods - what might not be valid in the future
- methods to save extract keys are missing now - it needs to be agreed with Backend Team

Below diagram illustrates two-steps authorization flow mentioned above.



Mockup:

## My Wellness Profile

Name Ana Bradley      \* Age 25

\* Job Title Developer      \* Height 6 Feet 1 Inches

\* Gender MALE      \* Weight 75 Pounds

Tracking services list: Tracking service 1 ▾

No Image      Authorize Tracking Service 1      Authorization completed successfully

Well-being Status       Not Very Well       Neutral       Well       Very Well

Notification Preference       Wellness Web Application  
 E-mail

OK      Cancel

Implementation notes:

Here is skeleton implementation of ProtocolAuthorizationProvider:

```
public class ProtocolAuthorizationProviderImpl implements ProtocolAuthorizationProvider, BeanFactoryAware {
```

```
    @Autowired
    private TrackingDeviceManager trackingDeviceManager;
    private Map<String, AuthorizationProtocol> authorizationProtocols;
    private BeanFactory beanFactory;
    public AuthorizationProtocolProvider() {
    }
```

```
    void setBeanFactory(BeanFactory beanFactory) throws BeansException {
```

```
        this.beanFactory = beanFactory;
    }
```

```

@PostConstruct
public void init() {
    authorizationProtocols = new HashMap<String, AuthorizationProtocol>();
    for (IConnectorSpecification specification: trackingDeviceManager.getAllCareaConnectorSpecifications()) {
        AuthorizationProtocol authorizationProtocol = beanFactory.getBean(specification.getProtocolClient().getProtocol(), description.getProtocolClient()); // declared in XML with prototype scope and proper name
        authorizationProtocols.put(specification.getName(), authorizationProtocol);
    }
}

@Override
public AuthorizationProtocol getAuthorizationProtocol(String trackingDeviceName) {
    return authorizationProtocols.get(trackingDeviceName);
}

```

## Wellness Program Goals management

### BugDB

[https://bug.oraclecorp.com/pls/bug/webbug\\_print.show?c\\_rptno=20229302](https://bug.oraclecorp.com/pls/bug/webbug_print.show?c_rptno=20229302)

### From Tim

We still have pending pages on "employee wellness" that I think you guys can start working with:

Here's the screenshot of the missing pages:

1. Add Goal
2. Recommendations for Program Goals
3. Edit Goal (Pencil button)

## Employee Wellness

### Wellness Program



July 2014 Participation Rate

News and notifications goes here...  
57 Employee Wellness Profiles was created yesterday...  
178 employees achieved their wellness goals last week.

### Competitions



July 2014 Participation Rate

### Incentives

3

Unpaid Incentives

### Wellness Program Goals

+ Add Goal

Recommendations for Program Goals

#### Average Steps Per Day



8660 /10,000 average steps per day  
75% /50% participation rate  
\$200 Incentive

#### Average Active Time



35 /45 mins average active time per day  
55% /50% participation rate  
\$200 Incentive

### Wellness Program Participation Rate



- add goal

## Add Wellness Program Goal

|                           |  |
|---------------------------|--|
| Goal                      | <input type="text"/>   |
| Target Value              | <input type="text"/> steps ▾   |
| Frequency                 | Per Day ▾  |
| Start Date                | 06/03/2014            |
| End Date                  | <input type="text"/>  |
| Target Participation Rate | <input type="text"/>   |

---

|       |                            |
|-------|----------------------------|
| Award | Bonus ▾                    |
| Value | <input type="text"/> USD ▾ |

**Apply**

**Cancel**

- edit goal

## Edit Wellness Program Goal

|                           |  |
|---------------------------|--|
| Goal                      | Average Steps Per Day  |
| Target Value              | 9000 steps ▾   |
| Frequency                 | Per Day ▾  |
| Start Date                | 06/03/2014  |
| End Date                  | 08/31/2014  |
| Target Participation Rate | 50%  |

|       |           |
|-------|-----------|
| Award | Bonus ▾   |
| Value | 200 USD ▾ |

**Apply**

**Cancel**

- recommendations for program goal

## Recommendations for Wellness Program Goals

Wellness Measure    Work Measure

### Active Characteristics

|                 |   |   |   |                      |
|-----------------|---|---|---|----------------------|
| 1-Very Inactive | 2 | 3 | 4 | <b>5-Very Active</b> |
|-----------------|---|---|---|----------------------|

|                     |      |       |   |         |   |
|---------------------|------|-------|---|---------|---|
| Average Steps       | 9000 | steps | ▼ | Per Day | ▼ |
| Average Active Time | 60   | mins  | ▼ | Per Day | ▼ |
| Participation Rate  | 30%  |       |   |         |   |

### Engaged Characteristics

|                  |   |   |   |                       |
|------------------|---|---|---|-----------------------|
| 1-Very Unengaged | 2 | 3 | 4 | <b>5-Very Engaged</b> |
|------------------|---|---|---|-----------------------|

|                                     |     |
|-------------------------------------|-----|
| Wellness Program Participation Rate | 50% |
| Competition Participation Rate      | 50% |
| Reduced Attrition Rate              | 30% |

### Social Characteristics

|                 |   |   |   |                      |
|-----------------|---|---|---|----------------------|
| 1-Very Unsocial | 2 | 3 | 4 | <b>5-Very Social</b> |
|-----------------|---|---|---|----------------------|

|                            |     |
|----------------------------|-----|
| Membership Rate            | 50% |
| Team Membership Rate       | 50% |
| Reduced Vacation Fill Rate | 30% |

**Reset to Default** **Save and Close** **Cancel**

You can submit UI questions on the review board:

<http://review.us.oracle.com/review2/Review.html#reviewId=201142;documentId=649281;scope=document;status=open,fixed>

Also I attached the pdf file for your information.

[benefitManager\\_Wellness\\_latest.pdf](#)

### Wellness UI dev setup

From Tim

For the dev env set up and ADE, I strongly recommended you guys read this [doc](#) and follow the steps to prepare your dev environment. Because the first time you create your ADE environment and run JDEV, it will take about 25~40 mins to prepare your environment from scratch. So if we start with a blank VM, most of the time will be just sit and wait.

I would suggest you guys try the following:

- Prepare your VM with ADE environment, and bring up the JDev.
- [http://fmwdocs.us.oracle.com/doclibs/fmw/E10285\\_01/doc.1111/e10308/gs\\_install.htm#CIHJGHFI](http://fmwdocs.us.oracle.com/doclibs/fmw/E10285_01/doc.1111/e10308/gs_install.htm#CIHJGHFI)
- <https://confluence.oraclecorp.com/confluence/display/ESEDoc/ADECommandReference>
- Git clone the hcmWorkforceReputation and load into JDev.
  - <ssh://gitolite@ballys.us.oracle.com/HWR/hcmWorkforceReputation>

### Wellness UI Specific details

1. After copying `fusion_apps_wls.properties` to your home directory you need to provide DB properties:
  - find property 'dbConnection' and fill in your DB details. See [CompressDB instances](#) to get some connection details.
2. To create **ADE** view:

- Open browser and navigate to: [http://slc03qfl.us.oracle.com:18080/view/HWR%20Preflight/job/HWR\\_R10stable\\_Preflight/](http://slc03qfl.us.oracle.com:18080/view/HWR%20Preflight/job/HWR_R10stable_Preflight/)
- One left side, from the 'build history' pick the latest one and click one it.
- Under 'Build Artifacts' click 'View' then click 'Reports'
- Click to open '*HWR\_R10stable\_Preflight\_<build\_number>\_ComplianceSummary\_Report.html*' report page.
- On the top of the page you should see something like this:

ADE Label: FUSIONAPPS\_11.1.1.5.1\_LINUX.X64\_141018.0600.S

- Copy the label name and create **ADE view**:

```
ade createview -l FUSIONAPPS_11.1.1.5.1_LINUX.X64_141018.0600.S <your_view_name>
```

Snapshot labels typically disappear (get removed) after three days, so it is a good idea to regularly refresh the ADE view you are working in it and is better to refresh before the label is removed. If the label is not refreshed often, any merge conflicts that need to be resolved may become more difficult. If odd errors start appearing and you suspect they are ADE view related, you should refresh your view. Conversely, if problems only start after refreshing your view, there may be a problem with the latest label (bad code from other members of your team, or code on which your project depends, such as an ADF library). If your label has been removed, you may see the following errors:

- When you try and start JDeveloper, it opens the 10.1.3 version.
- If already in JDeveloper you may see numerous unexpected compilation errors because the links to the files are now invalid.

If your view needs to be refreshed, you will see this error when you execute ade useview <myview>:

```
ade WARNING: Cannot find a label server for 'FATOOLS_MAIN_LINUX_100325.2334.S'
ade WARNING: You must refresh to an available label.
```

To refresh your view to some available label:

- Check available labels for desired series, for example: 'ade showlabels -series FUSIONAPPS\_11.1.1.5.1\_LINUX.X64'
- refresh the view to desired one, for example:' ade refreshview -label FUSIONAPPS\_11.1.1.5.1\_LINUX.X64\_141030.1800.S'

3. At this point the project source codes should be cloned from the 'R10stable' branch of git repository.

- a. Open terminal, navigate to your workspace and invoke:'git clone <ssh://gitolite@ballys.us.oracle.com/HWR/hcmWorkforceReputation> on --branch R10stable'

or

- b. Clone the project via JDeveloper

- Open JDeveloper
- Navigate to 'Versioning' tab, choose 'git' then 'clone'.
- Hit 'next' and provide the repo URL: <ssh://gitolite@ballys.us.oracle.com/HWR/hcmWorkforceReputation>, and the path to your private key (passphrase if needed).
- Hit 'next', again 'next' and choose 'destination' and for the 'Checkout branch' select 'R10stable', hit 'Finish'.

4. The project misses maven dependency resources, so for the first times we have patch which should be applied to project. For this:

- From your VM open browser and paste the following in address bar: [/net/slc08zen.us.oracle.com/scratch/](http://net/slc08zen.us.oracle.com/scratch/)
- Save the latest uiShell\_wellness\_master.zip file (for example in your home directory) and uncompress.
- Copy all the files and folders from the 'uiShell\_wellness' directory to the hcmWorkforceReputation/wellness (the project source that you are going to work in) directory like:

```
cd uiShell_wellness
```

```
cp -R *
/scratch/<your_user_name>/view_storage/<your_view_name>/.jdev_user_home/mywork/hcmWorkforceReputation/wellness/
```

This should overwrite the existing files and add missing maven dependency resources.

5. Run JDeveloper and open *hcmWorkforceReputation/wellness/uiShell\_wellness.jws* application. It should produce two projects - *WellnessModelShell* and *WellnessUIShell*.

6. Right click *WellnessUIShell/Web Content/ShellPlaceholder.jsp* and choose *Run*. When configuring your Weblogic, choose your VM domain name as the listen address. Weblogic should start successfully and you should be able to navigate to the deployed application with the URL like <http://<your VM hostname>:<WLS port>/uiShell-ViewController-context-root/faces/default.jsp>

7. Create deployment profiles in case you need to patch and test EAR with changes you made in UI Shell environment using ADF library jars. The patching process is described here (version 3): [Script for automatic patching wellness standalone version](#)

- a. Right click on *WellnessModelShell* -> Project Properties -> Deployment -> New... -> Adf Library Jar File named *AdfHcmWellnessModel* -> (no dependencies, no connections, default JAR options) -> OK

- b. Right click on WellnessUIShell -> Project Properties -> Deployment -> New... -> Adf Library Jar File named AdfHcmWellnessUI -> (no dependencies, no connections, default JAR options) -> OK

## Local env setup (compile and deploy ADF libs)

Local IDE setup (3 min):

1. Git clone hcmWorkforceReputation module, e.g. for R11stable branch  

```
git clone ssh://re-git.us.oracle.com:29418/HWR/hcmWorkforceReputation -b R11stable && scp -p -P 29418 re-git.us.oracle.com:hooks/commit-msg hcmWorkforceReputation/.git/hooks/
```
2. Unpack latest working **wellness-local.tar.gz** from **last successful build on TC** to hcmWorkforceReputation/wellness  

```
wget --user <TC user> --password <TC password> http://s1c07ehh.us.oracle.com:8111/repository/download /WellnessUi_R11BuildAdfLibraries/.lastSuccessful/wellness-local.tar.gz
```

```
tar xzvf wellness-local.tar.gz -C hcmWorkforceReputation/wellness
```
3. Git ignore:  

```
wellness/*.jws
wellness/*.sh
wellness/lib/*
wellness/src
wellness/wellnessModel/WellnessModel-local.jpr
wellness/wellnessUI/WellnessUI-local.jpr
wellness/wellnessModel/deploy
wellness/wellnessUI/deploy
```
4. Open WellnessUI-local.jws in JDeveloper - **it should compile without errors**
5. If you need to refresh dependencies - repeat step 2

Deployment env setup (5 min):

1. Install EAR from Hudson to **autodeploy** WLS folder on VM
2. Set EAR\_DIR in **merge-adflib.sh** to autodeploy folder in WLS
3. Set MODEL\_JAR\_SRC and UI\_JAR\_SRC to the folders you produce new AdfHcmWellnessModel.jar and AdfHcmWellnessUI.jar respectively
- (4-5) Optional for autosync jars if you are using local JDeveloper:
  4. Copy **merge-adflib.sh** to a working dir on your VM, e.g. /scratch/adflib
  5. Set automatic sync between **wellness/\*/deploy** folders and **/scratch/adflib** on your VM using WinSCP (Commands -> Keep Remote Directory up to date)
6. Repeat step 1 if you need more recent EAR build.

When ready to test your changes (5 min):

1. Build ADF Libraries – In JDeveloper: right click on project and choose “Deploy”
2. If running autosync jars will be automatically synced with **/scratch/adflib** content, otherwise upload them to MODEL\_JAR\_SRC or UI\_JAR\_SRC or make sure the deployment profiles in Jdev point to those locations
3. Run **merge-adflib.sh** to replace jar files in installed EAR
  - a. **merge-adflib.sh -p ui** to replace AdfHcmWellnessUI.jar
  - b. **merge-adflib.sh -p model** to replace AdfHcmWellnessModel.jar
  - c. **merge-adflib.sh** to replace both

TODO:

- Investigate hot deployment (Fast Swap, org.apache.myfaces.trinidad.CHECK\_FILE\_MODIFICATION etc.)
  - [https://blogs.oracle.com/WebLogicServer/entry/using\\_fastswap\\_to\\_speed\\_up\\_dev](https://blogs.oracle.com/WebLogicServer/entry/using_fastswap_to_speed_up_dev)
  - <https://technology.amis.nl/2009/06/26/fast-swap-in-weblogic-103-and-jdeveloper-11g-redeploy-after-compile-in-running-application/>
  - <https://technology.amis.nl/2009/06/30/faster-development-of-adf-applications-when-to-simply-refresh-the-browser-and-when-to-redploy-the-web-application/>

## Fitbit users

## Users

| Email                   | Password  |
|-------------------------|-----------|
| fitbituser111@gmail.com | wellness1 |

## API keys

| ConsumerKey                      | ConsumerSecret                   |
|----------------------------------|----------------------------------|
| 4b08d9a6ac16461eacc7faf22c522dae | e5f631e5391d49b0a29c4722c69d29cd |

## Bugfixing and debugging

### Bugfixing process

1. Pick one of the free bugs under Wellness from the lists below. Start with bugs with **dev priority 1**, either on myself (BSTYRYLS, without comments that I'm investigating it myself) or Malini (MALCHAKR ).
  - R10 - [https://bug.oraclecorp.com/pls/bug/webbug\\_reports.Saved\\_Search?id=WellnessFixByR10](https://bug.oraclecorp.com/pls/bug/webbug_reports.Saved_Search?id=WellnessFixByR10)
  - R11 - [https://bug.oraclecorp.com/pls/bug/WEBBUG\\_REPORTS.do\\_edit\\_report?rpt\\_title=&fcont\\_arr=10957&fid\\_arr=1&fcont\\_arr=11.11.0.0&fid\\_arr=3&fcont\\_arr=11%2C+30&fid\\_arr=4&fcont\\_arr=&fid\\_arr=10&fcont\\_arr=off&fid\\_arr=157&fcont\\_arr=2&fid\\_arr=100&cid\\_arr=2&cid\\_arr=42&cid\\_arr=81&cid\\_arr=72&cid\\_arr=12&cid\\_arr=3&cid\\_arr=9&cid\\_arr=8&cid\\_arr=7&cid\\_arr=30&cid\\_arr=11&cid\\_arr=6&cid\\_arr=5&cid\\_arr=51&cid\\_arr=13&f\\_count=6&c\\_count=15&query\\_type=1](https://bug.oraclecorp.com/pls/bug/WEBBUG_REPORTS.do_edit_report?rpt_title=&fcont_arr=10957&fid_arr=1&fcont_arr=11.11.0.0&fid_arr=3&fcont_arr=11%2C+30&fid_arr=4&fcont_arr=&fid_arr=10&fcont_arr=off&fid_arr=157&fcont_arr=2&fid_arr=100&cid_arr=2&cid_arr=42&cid_arr=81&cid_arr=72&cid_arr=12&cid_arr=3&cid_arr=9&cid_arr=8&cid_arr=7&cid_arr=30&cid_arr=11&cid_arr=6&cid_arr=5&cid_arr=51&cid_arr=13&f_count=6&c_count=15&query_type=1)
2. Investigate and fix in all applicable branches (master/R11stable/R10stable etc.)
3. Once available, verify the fix in **smoke environment** and respond to the smoke email
4. Close the ticket
  - a. Set **status 80**
  - b. Set **assignee** to **FILER** or Eric Fried if the bug was not created by QA
  - c. Set **Fixed version**
  - d. Set **Fixed in (label)** - this is the build number

## How to debug in standalone deployment

### Setting up remote debug

1. Deploy Wellness in standalone WLS with DEBUG\_OPTS enabled
2. In JDdev go to Debug > Manage Run Configurations
3. Create new configuration and configure it
  - a. In Launch Settings - check Remote Debugging option
  - b. In Tool Settings > Debugger > Remote - provide host and port
4. You can now start your debug configuration
5. When stopping debugger, just detach, don't terminate as it will stop the server

### Debugging hints

- F5 - set breakpoint
- JDev has breakpoints, data, stack views and others. Go to View > Debugger to see all of them
- To patch your changes on a VM
  - Build wellnessModel (right click, Deploy > Deploy to Jar) and copy individual classes/resources to EarHcmWorkforceReputation.ear/APP-INF/lib/AdfHcmWellnessModel.jar
  - Build wellnessUI (rightClick, Deploy > Deploy to War) and copy individual classes/resources to EarHcmWorkforceReputation.ear/HcmWorkforceReputation.war/WEB-INF/lib/AdfHcmWellnessUI.jar
  - If you need to replace backend jars, for ex. hwr-cardea-appservices-facade, then go to EarHcmWorkforceReputation.ear/APP-INF/lib/, find the jar with similar name, in this case AdfWorkforceReputationModelCardeaAppServicesFacade.jar, rename the one you want to patch and replace with existing one.
- To access logs on any VM
  - SSH there
  - sudo su <WLS owner username>
  - go to logs directory - e.g.  
cd /scratch/software/mw\_local/FMWTOOLS\_11.1.1.7.3\_GENERIC\_140403.1140\_PATCHES4FA\_11.1.10.0.0\_PLATFORMS\_JDK64/mrasool/mw\_home\_standalone/user\_projects/domains/fusion\_em/servers/AdminServer/logs

- To redeploy any VM
  - SSH there
  - Download EAR from preflight build (e.g. wget [http://slc03qfl.us.oracle.com:18080/view/HWR%20Preflight/job/HWR\\_R10stable\\_Preflight/435/artifact/Deployment\\_Artifacts/EarHcmWorkforceReputation.ear](http://slc03qfl.us.oracle.com:18080/view/HWR%20Preflight/job/HWR_R10stable_Preflight/435/artifact/Deployment_Artifacts/EarHcmWorkforceReputation.ear))
  - Go to WLS console (<http://<VM hostname>:<VM port>/console>)
  - Go to Deployments, find hcmWorkforceReputation deployment, select it and click Delete
  - Deploy new version - click Install, specify path to EAR and go through the wizard
- To restart WLS on any VM
  - SSH there
  - Go to WLS bin directory,  
e.g. /scratch/software/mw\_local/FMWTOOLS\_11.1.1.7.3\_GENERIC\_140403.1140\_PATCHES4FA\_11.1.10.0.0\_PLATFORMS\_JDK64/pglogows/mw\_home\_standalone/user\_projects/domains/fusion\_em/bin
  - Run stopWeblogic.sh or startAll.sh

## Standalone environments

| Wellness link   | Debug port     | Deployed EAR | DB      | Owner      |
|---|----------------|--------------|---------|------------|
| <a href="http://slc06ejk.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc06ejk.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 8453           | R10 #433     |         | Meraj      |
| <a href="http://slc05nee.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc05nee.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 7304 (default) | R10 #611     | ems1125 | Glogu      |
| <a href="http://slc09jdd.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc09jdd.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 7304 (default) | R10 #627     | ems1189 | Artur      |
| <a href="http://slc05yln.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc05yln.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 7304 (default) | R10 #591     | ems1189 | Krzysztof  |
| <a href="http://slc06uwr.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc06uwr.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 7304 (default) | R10 #590     | ems1189 | Bartek     |
| <a href="http://slc03soh.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc03soh.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 7304 (default) | R10 #663     | ems1189 | Pawbac     |
| <a href="http://slc09izk.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc09izk.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 7304 (default) | R10 #604     | ems1189 | KrzysztofN |
| <a href="http://slc08vdj.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome">http://slc08vdj.us.oracle.com:7021/hcmWorkforceReputation/faces/FuseWelcome</a> | 7304 (default) | R10 #604     | ems1189 | Asia       |

## Working label

FUSIONAPPS\_PT.DEVMAIN\_LINUX.X64\_150129.2304

## Applying UI shell patch along with fresh dependencies

In the UI shell patch directory structure, there is a directory ("lib") containing the dependencies needed for running Wellness shell version. Some of the dependencies there are ADF internal it seems (almost all of the Adf\*.jar files), but there are quite a few upstream ones (like bouncycastle, spring, json-lib, etc.). They need to be copied to lib directory too, along with their transitive dependencies. It is accomplished by maven.

### Maven installation (prerequisite)

<http://stackoverflow.com/questions/17786422/installing-maven-3-0-5-in-redhat-linux> (Environment variables configuration is different in csh - TODO). Use the latest version available. Copy your local ~/.m2/settings.xml file to VM and edit it to change the local repository path as you may run into "quota exceeded" problem. To avoid it, change the path to:

```
<localRepository>/scratch/<username>/.m2/repository</localRepository>
```

where <username> is your linux account name.

You also need to configure maven central repo mirror in settings.xml . To do this, add below fragment inside the <mirrors> tag:

```
<mirror>
  <id>Central</id>
  <url>http://rep01.maven.org/maven2</url>
  <mirrorOf>central</mirrorOf>
</mirror>
```

Working settings.xml

## Instructions

- (optional - if starting fresh) Clone the repository containing Wellness sources `ssh://gitolite@ballys.us.oracle.com/HWR/hcmWorkforceReputation`
- Cd to `hcmWorkforceReputation/wellness` and invoke maven so that UI shell patch is copied and extracted and fresh dependencies are fetched and copied by typing  
`mvn install antrun:run -Dpatch.zipfile=/net/slco5yln.us.oracle.com/scratch/knirski/uiShell/uiShell_wellness_master.zip`
- Alternatively, if you unpacked UI shell patch recently, just fetch and copy dependencies by typing  
`mvn install`
- (optional - if starting fresh) Create an ADE view with appropriate label
- Enter the view
- Start jdev

The value of `patch.zipfile` property here is an example - it should point to a proper patch zip file.

## New labels requests

### Bundle HcmEmployeeWellnessTopGenBundle

| Status      | <source />                  | <note />  | Comments  | Requester             |
|-------------|-----------------------------|---|---|-----------------------|
| EXAMPLE NEW | EXAMPLE e.g .kilometers     | EXAMPLE e.g. Lowercase version of DistanceUnits.KILOMETERS, used in notifications         | EXAMPLE e.g. Bug 20722174   | EXAMPLE e.g. Paweł G. |
| REQUESTED   | No goals yet                | Text displayed inside My Wellness Goals info tile instead of bars when user has no goals. | Bug 20046068  | Pawbac                |
| NEW         | Is tracking service enabled | Text displayed inside editing Tracking Service client key and secret                      |  <b>WELLNESS-264</b> - Displaying Tracking Services List page <span style="border: 1px solid green; padding: 2px;">RESOLVED</span>           | Paweł G.              |
| NEW         | Authorize                   | Authorize button text   |  <b>WELLNESS-269</b> - Implement generic tracking services authorization <span style="border: 1px solid green; padding: 2px;">CLOSED</span> | Krzysztof N.          |

## Resource bundles

- `ResourcesGenBundle.xlf` in `AdfResourcesPublicResource-1.0.jar` (`oracle.apps.common.acr.resource.ResourcesGenBundle`)
- `HcmEmployeeWellnessTopGenBundle.xlf` in `hwr-cardea-resources-XXX.jar`

## Fusion String Repository

### Fusion Standards for Access Keys

## Problem with navigation to Employee Wellness

If You have problem with navigation tiles and You do not have Benefits --> Employee Wellness tile do the following steps:

Hi,

Please use the `root_menu.xml` attached with this email.

Steps to import this `root_menu.xml` :

- 1) Store this `root_menu.xml` file on your local host machine under : `/net/hostname>/scratch/hwr/jdevmetadata/oracle/apps/menu/`
- 2) Then go to `$MW_HOME/oracle_common/common/bin/wlst.sh`
- 3) `connect('weblogic','password','t3://hostname:port')`
- 4) `importMetadata(application='HcmWorkforceReputation',server='AdminServer',fromLocation='/net/hostname/scratch/hwr/jdevmetadata',docs ='oracle/apps/menu/**')`

Note : In step 4) , host name refers to the host where `root_menu.xml` was stored in the step 1). Also make sure before doing these steps, ear file has been deployed as "**HcmWorkforceReputation**" in the deployment process.

Thanks,  
Aish

Also REDEPLOY application from wls console after importing this file.

[root\\_menu.xml](#)

## jazn-data.xml files

| Version    |
|------------|
| R10 R10_v2 |
| R11        |

It seems that HWR\_PER\_PROFILE\_B table is not populated with some users anymore ( like APPLICATION\_IMPLEMENTATION\_CONSULTANT ). Look into database and check for users that we could use for testing purpose. It seem that we could use:

JADAMS  
RGONZALES  
RHOWARD  
TSCHULTZ  
TDENNIS  
LFREEMAN  
AFIGUEROA  
MSANDOVAL  
CWHITE

All users have the same password – “Welcome1”.

## Switching database in Weblogic

In order to change Your Wellness UI database without using script You need to change datasources in Your Weblogic server. You can do it from Web Logic Server console:

- 1) Log in to weblogic server console
- 2) Select Services --> Data Sources
- 3) You will see a list of data sources
- 4) You need to change ALL positions from the list ( note that by default You will see only 10 position on the list. Make sure that You check Items on next page )
- 5) Click on one Data Sources
- 6) Select Connection Pool
- 7) Change Data Source URL. URL has format jdbc:oracle:thin:@{host}:{port}:{db.sid}
- 8) Restart Web Logic Server
- 9) Redeploy Wellness Application

Alternatively:

1. Save this script to a file named ~/change\_datasources\_url.py :

```

# based on http://middlewaremagic.com/weblogic/?p=4261

host = 'slc05yln'
new_url = 'jdbc:oracle:thin:@slcak351.us.oracle.com:1521:ems1189'

connect('weblogic','weblogic1','t3://'+host+':7021')
print('connected')
cd('Servers/AdminServer')
edit()
startEdit()
cd('JDBCSystemResources')
all_ds=cmo.getJDBCSystemResources()

for ds in all_ds:
    ds_name=ds.getName();
    print('Changing URL for DataSource ', ds_name)
    cd('/JDBCSystemResources/'+ds_name+'/JDBCResource/'+ds_name+'/JDBCDriverParams/'+ds_name)
    print('/JDBCSystemResources/'+ds_name+'/JDBCResource/'+ds_name+'/JDBCDriverParams/'+ds_name)
    cmo.setUrl(new_url)
    print ('DataSource URL changed to ' + new_url)

save()
activate()

```

2. Change host and new\_url values according to your needs

3. Execute:

```

$ /scratch/software/mw_local/FMWTOOLS_11.1.1.7.3_GENERIC_140403.1140_PATCHES
4FA_11.1.10.0.0_PLATFORMS_JDK64/<userid>/mw_home_standalone/oracle_common/
common/bin/wlst.sh ~/change_datasources_url.py

```

3. Restart Weblogic

## Script for automatic patching wellness standalone version

### Patching script config

To use this script You need to set some variables

- EAR\_SRC\_PATH - Points to directory with Your source EAR file
- EAR\_TARGET\_PATH - Points to directory where patched EAR file will be copied
- SRC\_FILE\_NAME - Name of source ear file. Default to EarHcmWorkforceReputation.ear
- PATH\_TO\_MODEL\_CLASS\_DIR - Path to compiled classes from model module. Typically this is \$PATH\_TO\_YOUR\_GIT\_WELLNESS\_PROJECT/wellness/wellnessModel/classes/oracle/apps/hcm/hwr/wellness/model/
- PATH\_TO\_UI\_CLASS\_DIR - Path to compiled classes from UI module. Typically this is \$PATH\_TO\_YOUR\_GIT\_WELLNESS\_PROJECT/hcmWorkforceReputation/wellness/wellnessUI/classes/oracle/apps/hcm/hwr/wellness/ui
- PATH\_TO\_JSFF\_CLASS\_DIR - classes to jsff files. Typically this is \$PATH\_TO\_YOUR\_GIT\_WELLNESS\_PROJECT/wellness/wellnessUI/public\_html/oracle/apps/hcm/hwr/wellness/ui/page
- Optionally You can set DG variable to v and FDG to -v to use 'verbose' version of script. But this is using to debugging purpose so You can leave it.

### Patching script execute

After correctly set this variable display **git status** of Your working tree. You will see something like this:

```

modified: wellnessModel/src/oracle/apps/hcm/hwr/wellness/model/datacontrol/ProgramsDC.java
modified: wellnessModel/src/oracle/apps/hcm/hwr/wellness/model/service/adapter/WellnessUserProfileServiceAdapter.java

```

```
modified: wellnessUI/adfmsrc/oracle/apps/hcm/hwr/wellness/ui/page/UserProfilePageDef.xml
modified: wellnessUI/public_html/oracle/apps/hcm/hwr/wellness/ui/page/CompleteAuth.jsff
modified: wellnessUI/src/oracle/apps/hcm/hwr/wellness/ui/bean/MyActivityManagedBean.java
```

To execute script You need to pass files you want to path as parameters. For example:

```
./patch_wellness_ear.sh wellnessModel/src/oracle/apps/hcm/hwr/wellness/model/datacontrol/ProgramsDC.java wellnessModel/src/oracle/apps/hcm/hwr/wellness/model/service/adapter/WellnessUserProfileServiceAdapter.java wellnessUI/adfmsrc/oracle/apps/hcm/hwr/wellness/ui/page/UserProfilePageDef.xml wellnessUI/public_html/oracle/apps/hcm/hwr/wellness/ui/page/CompleteAuth.jsff wellnessUI/src/oracle/apps/hcm/hwr/wellness/ui/bean/MyActivityManagedBean.java
```

## Version 2

In second version You can specify '--all' option to patch all files from Your git working copy. Second version is available in attachemts ( zipped )

Wait till script finish and redeploy application via weblogic console.

Happy patching !

[patch\\_wellness\\_ear.sh](#)

(clone from [slc07ehh.us.oracle.com/scratch/git/devtools.git](https://slc07ehh.us.oracle.com/scratch/git/devtools.git))

## Version 3 (ADF Jar library build)

[ear-merge.sh](#)

(clone from [slc07ehh.us.oracle.com/scratch/git/devtools.git](https://slc07ehh.us.oracle.com/scratch/git/devtools.git))

1. Prerequisites:
  - a. Run `ear-merge.sh` script in **bash**
  - b. Run `ear-merge.sh` script in `wellness` directory in your repo (in most cases it's `hwr-root/hcmWorkforceReputation/wellness`)
  - c. Edit `ear-merge.sh` to set variables, mainly:
    - i. `HB_DEF` (Hudson build definition - could be Preflight R10, R11, R12 build) - check here <http://slc03qfl.us.oracle.com:18080/>
    - ii. `MW_HOME` (specific to your tech stack installation)
    - iii. `MW_HOME_STANDALONE` (specific to your tech stack installation)
  - d. There should be two deployment profiles created in JDeveloper:
    - i. Right click on `WellnessModelShell` -> Project Properties -> Deployment -> New... -> Adf Library Jar File named `AdfHcmWellnessModel` -> (no dependencies, no connections, default JAR options) -> OK
    - ii. Right click on `WellnessUIShell` -> Project Properties -> Deployment -> New... -> Adf Library Jar File named `AdfHcmWellnessUI` -> (no dependencies, no connections, default JAR options) -> OK
2. What `ear-merge.sh` does:
  - a. Download EAR from Hudson (or use the existing EAR in `wellness/patch` directory)
    - i. `ear-merge.sh -d` : download and use the latest successful build
    - ii. `ear-merge.sh -d <Hudson build number>` : download and use given build number, e.g. `ear-merge.sh -d 361`
    - iii. `ear-merge.sh` : use the existing EAR in the `wellness/patch` directory
  - b. Run `ojdeploy` tool for UI shell JWS and build. `ojdeploy` doc can be found here [https://docs.oracle.com/cd/E24382\\_01/user.112/e17455/deploying\\_apps.htm#OJDUG643](https://docs.oracle.com/cd/E24382_01/user.112/e17455/deploying_apps.htm#OJDUG643)
    - i. `AdfHcmWellnessModel.jar` from `WellnessModelShell.jpr`
    - ii. `AdfHcmWellnessUI.jar` from `WellnessUIShell.jpr`
  - c. Replace
    - i. `EarHcmWorkforceReputation.ear/META-INF/jazn-data.xml`
    - ii. `EarHcmWorkforceReputation.ear/APP-INF/lib/AdfHcmWellnessModel.jar`
    - iii. `EarHcmWorkforceReputation.ear/HcmWorkforceReputation.war/WEB-INF/lib/AdfHcmWellnessUI.jar`
    1. Note: Some files specific to UI shell are not replaced in EAR (see `PRESERVED_UI_JAR_FILES` in `ear-merge.sh`)
  - d. Install EAR in standalone WLS.

## Working users for Wellness Application

As discussed on retrospection from some time we cannot log on some users. I investigate the problem and it seem that `HWR_PER_PROFILE_B` table is not populated with some users ( like `APPLICATION_IMPLEMENTATION_CONSULTANT` ). I look into database and check for users that we could use for testing purpose. It seem that we could use:

JADAMS  
RGONZALES  
RHOWARD  
TSCHULTZ  
TDENNIS  
LFREEMAN  
AFIGUEROA  
MSANDOVAL  
CWHITE

All users have the same password – "Welcome1".

I also modify jazn xml file and update confluence page

<https://confluence.oraclecorp.com/confluence/display/KP/jazn-data.xml+files>

You could replace jazn-data.xml file and pick up other users to perform testing.

### Avoid using af:foreach tag

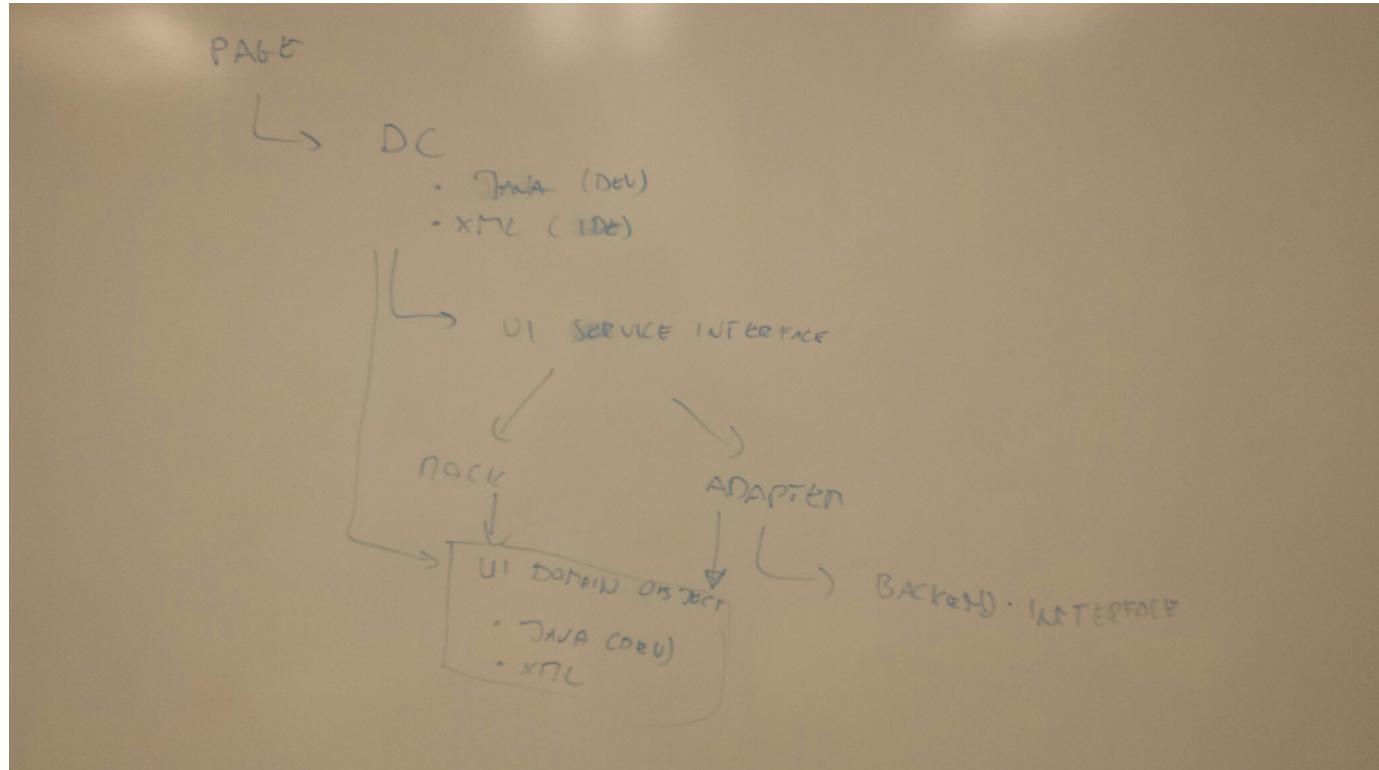
Hi, during working on Tracking service scheduler I face problem with <af:foreach> tag.

It seem that it should not be used if we want to iterate over collection of object and display it and enable editing. Something terrible wrong happens then. Instead of foreach use af:iterator tag.

Cheers,

Pawel

## UI layers



## Wellness backend dev setup

For running integration tests, add '-Duser.country=en -Duser.language=en' to vm options.

| File  | Modified                          |
|---|-----------------------------------|
| ›  settings.xml   | Oct 22, 2014 by Daniel Slavetskiy |
| ›  GRC Code Conventions Feb22_2011.pdf  | Oct 22, 2014 by Daniel Slavetskiy |
| ›  CheckstyleFormatter.xml  | Oct 22, 2014 by Daniel Slavetskiy |
| ›  EclipseFormatter.xml   | Oct 22, 2014 by Daniel Slavetskiy |
| ›  running_integration_tests.doc<br>How to run integration tests - from scratch | Nov 11, 2014 by Tomasz Tomalak    |
| ›  image2014-12-3 11:36:3.png   | Dec 03, 2014 by Tomasz Pedziwiatr |
| ›  PurgeCardeaDataJob_Algoritm.jpg  | Dec 18, 2014 by Michal Marnik     |

[Download All](#)

## How to deploy Wellness in standalone WLS

[HWR Setup Full.odt](#)

### From Huyvu

1. Requested a short term VM for Oracle Linux 6 update 5 at <http://devops.oraclecorp.com>. This steps is recommended for devs who already developing on your long term VM, so you don't mess up your VM. The problem is short term VM only last for 2 weeks. But once you get familiar with it, you can do this again in your long term VM
2. Read the attached document and follow the steps (this is to setup Fusion Stack Stand-alone Weblogic server)
3. Download the EAR file (<http://slc03qfl.us.oracle.com:18080/view/HWR%20Preflight>) and replace the jazn-data.xml with the proper version (see [jazn-data.xml files](#))
4. Patch the stand-alone WLS for Fuse followed this Wiki: <https://stbeehive.oracle.com/teamcollab/wiki/GRC+RE+team:Enabling+HWR+FU+SE+UI>

Tricks during installation:

Accoding document to install stanalone Weblogic

**WRONG:**

3. Run the installation script

Go to /scratch/FA-HWR directory

\$ chmod +x run\_FTSAT.sh

\$ dos2unix

\$.run\_FTSAT.sh

**FIX:**

### 3. Run the installation script

Go to /scratch/FA-HWR directory

```
$ chmod +x run_FTSAT.sh  
$ dos2unix ./run_FTSAT.sh  
$ ./run_FTSAT.sh
```

#### Moreover:

-during setup use default values and those which are used in doc ( dont use your own setups)

-after setup be careful dont enter any keys because it will break the installation, just use ENTER when installer ask you to do it.

## DB instances needed for deployment:

CompressDB instances

## In case of problems with accessing Employee Wellness:

Steps to import this root\_menu.xml :

1. Store this root\_menu.xml file on your local host machine under: /net/hostname/scratch/hwr/jdevmetadata/oracle/apps/menu/
2. Then WebLogic Server Administration Scripting Shell via script \$MW\_HOME/oracle\_common/common/bin/wlst.sh
3. Type following commands in the shell:
  - connect('weblogic','<password>','t3://<hostname>:<port>')
  - importMetadata(application='HcmWorkforceReputation',server='AdminServer',fromLocation='/net/<hostname>/scratch/hwr/jdevmetadata',docs='/oracle/apps/menu/\*\*')

root\_menu.xml

## Further steps

1. Once deployed the app, goto [http://<your\\_VM>:7021/hcmWorkforceReputation/faces/FuseWelcome](http://<your_VM>:7021/hcmWorkforceReputation/faces/FuseWelcome)
2. Log in as one of the users (see jazn-data.xml for available users)
3. **Important:** In order to be able test application properly, Fusion connector job should be scheduled and run before any action - like "create Wellness Profile" and etc.
  - a. Click "BENEFITS\_ADMINISTRATION" -> "EMPLOYEE\_WELLNESS" -> "Tracking Services" -> "Schedule"
  - b. Check 'Fusion' checkbox and set date and time for job to be run. *Note: the date and time should be set for future and corresponding to your VM's timezone.*
  - c. Set any of Frequencies (daily, hourly, etc.) and hit 'Save and Close'
  - d. You may check whether the job was scheduled properly by executing "select IS\_ACTIVE, SCHEDULE from HWR\_JOB\_B WHERE JOB\_NAME like '%Fusion';". IS\_ACTIVE flag should be set to 'Y' and SCHELUDE filed correspond to the date and time you have set.
  - e. To check which jobs completed or are in queue execute "select \* from HWR\_JOB\_RUN\_B;"
4. To access Employer Wellness click "About me" and then "Wellness".

| File                                   | Modified                          |
|--|-----------------------------------|
| ›  FusionTechStackAndAppDeployment.odt | Nov 13, 2014 by Bartek Styrylski  |
| ›  root_menu.xml                       | Feb 04, 2015 by Krzysztof Nirska  |
| ›  Email_Service_Integration.odt       | Feb 16, 2015 by Daniel Slavetskiy |
| ›  HWR Setup Full.odt                  | Feb 25, 2015 by Tomasz Pedziwiatr |

Drag and drop to upload or [browse for files](#)

 [Download All](#)

## Performance testing

The document proposes the performance testing approach of HcmWorkforceReputation web application. Tools used: WLS 10.3.6, Python 2.7, CasperJS 1.1.0-beta3, PhantomJS 2.0.0. The latter three are popular open source solutions distributed under GPL, MIT, BSD licences respectively. This technique is quite universal and could be used in any kind of web application deployed on WebLogic server. The statistics monitors are configured in AOP style, which allows gathering data in a nonintrusive way - without changing the existing code.

### Step-by-step guide

#### 1. WebLogic Server Diagnostic Framework (WLDF)

To enable the WLDF console extension, copy the file diagnostics-console-extension.jar located in the directory \${WL\_HOME}/server/lib/console-ext to the directory \${DOMAIN\_HOME}/console-ext. After restart of the WLS there should appear 'WLDF Console Extension' Tab on the main screen after login. "Charts and Graphs" are available under <http://hostname:port/console/dashboards>. There can be found: Thread Pool Runtime, JVM Runtime Heap, JDBC Data Sources and other statistics charts.

#### 2. DyelInjection

Also there should be added DyelInjection Monitor in order to enable instrumentation: 'Oracle WLS Console' -> 'Diagnostics' -> 'Diagnostic Modules' -> 'New Module' -> 'Instrumentation' tab in module configuration -> 'Enabled' checkbox -> Add/Remove -> Add to 'Chosen' DyelInjection -> OK. Please check whether Target is selected properly. If not you will not see any diagnostic results.

#### 3. Create a weblogic-diagnostics.xml file in the application's META-INF directory to configure a custom monitor. See attachment. For more information please refer do documentation: [http://docs.oracle.com/cd/E23943\\_01/web.1111/e13714/appendix\\_instrum\\_library.htm#WLF463](http://docs.oracle.com/cd/E23943_01/web.1111/e13714/appendix_instrum_library.htm#WLF463)

A MethodInvocationStatisticsAction computes method invocation statistics in memory without persisting an event for each invocation. It makes the collected information available through the InstrumentationRuntimeMBean.

TraceMemoryAllocationAction uses the JRockit API to trace the number of bytes allocated by a thread during a method call. It creates an instrumentation event that is persisted.

#### 4. Deploy the application

#### 5. Configure and execute appropriate CasperJS script on your local machine:

\$ casperjs/bin/tester.sh <script\_path> <thread\_count>  
where

<script\_path> - path to one of available scripts:

- a. competitions.js which logges into application and creates Competition by filling the forms and pressing appropriate buttons.
- b. main\_dashboard.js which simulates the user going to the main Wellness dashboard.

<thread\_count> - number of simulated users

For more info on Casper.js please refer to <http://casperjs.org/>

#### 6. Gathering statistics data

a. login into VM

b. cd

/scratch/software/mw\_local/FMWTOOLS\_11.1.1.7.3\_GENERIC\_140403.1140\_PATCHES4FA\_11.1.10.0.0\_PLATFORMS\_JDK64/<user name>/mw\_home\_standalone/user\_projects/domains/fusion\_em/servers/AdminServer/data/store/diagnostics

c. copy stats.py script there

d.

/scratch/software/mw\_local/FMWTOOLS\_11.1.1.7.3\_GENERIC\_140403.1140\_PATCHES4FA\_11.1.10.0.0\_PLATFORMS\_JDK64/<user name>/mw\_home/oracle\_common/common/bin/wlst.sh stats.py

e. check generated files memoryExport.xml and performance.csv

d. python memory.py

In the result of theses steps 2 files get generated: memory.csv and performance.csv.

| File  | Modified                          |
|---|-----------------------------------|
|  memory.py | May 21, 2015 by Daniel Slavetskiy |

|  |                                   |
|--|-----------------------------------|
| »  stats.py                 | May 21, 2015 by Daniel Slavetskiy |
| »  weblogic-diagnostics.xml | May 21, 2015 by Daniel Slavetskiy |
| »  tester.sh                | May 21, 2015 by Daniel Slavetskiy |
| »  main_dashboard.js        | May 21, 2015 by Daniel Slavetskiy |
| »  competition.js           | May 21, 2015 by Daniel Slavetskiy |

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- [Performance testing](#)
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## R10 testing results

Test scenarios:

1. Log in -> About me -> Wellness -- Main Wellness dashboard
2. Benefits Administration -> Employee Wellness -> Competitions -> Create Competition ...

Scenario 1 engages most of services in a read-only style.

Scenario 2 creates test competitions so it involves writing methods too.

CasperJS runs a headless WebKit scriptable with a JavaScript API and is used to simulate user behaviour by clicking and filling the appropriate UI elements.

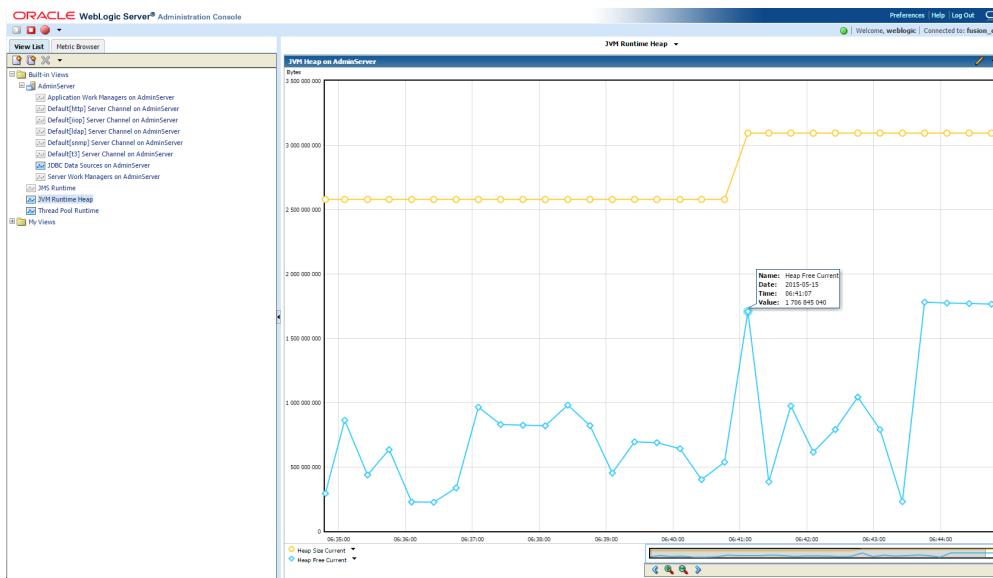
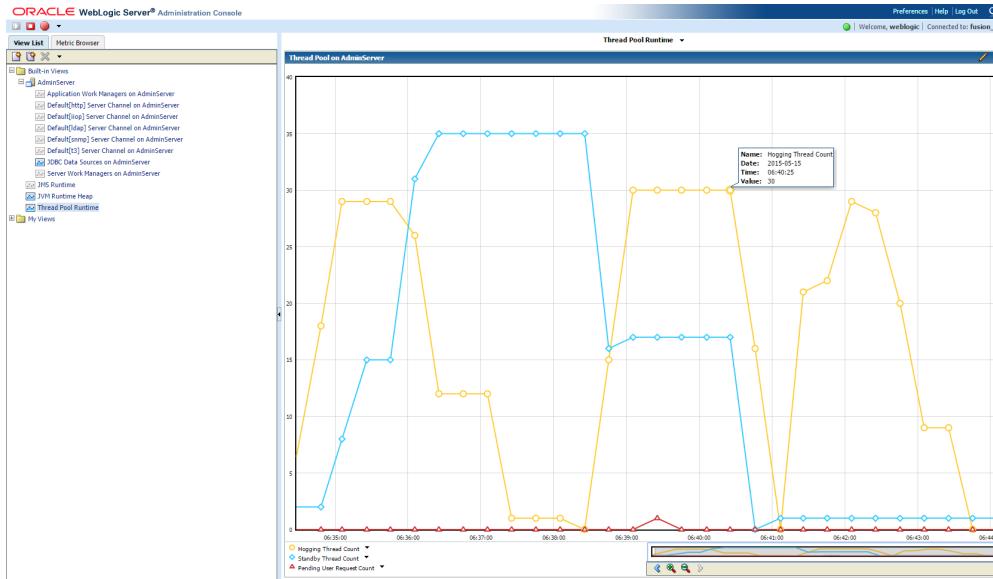
Test results are provided for 30 and 50 simultaneous users.

It was not possible to increase the number of threads due to VM's CPU(198% / 200%) and RAM consumption issues.

Of course it's more sensible to run tests in the environment close to production. It could give us more precise and real picture.

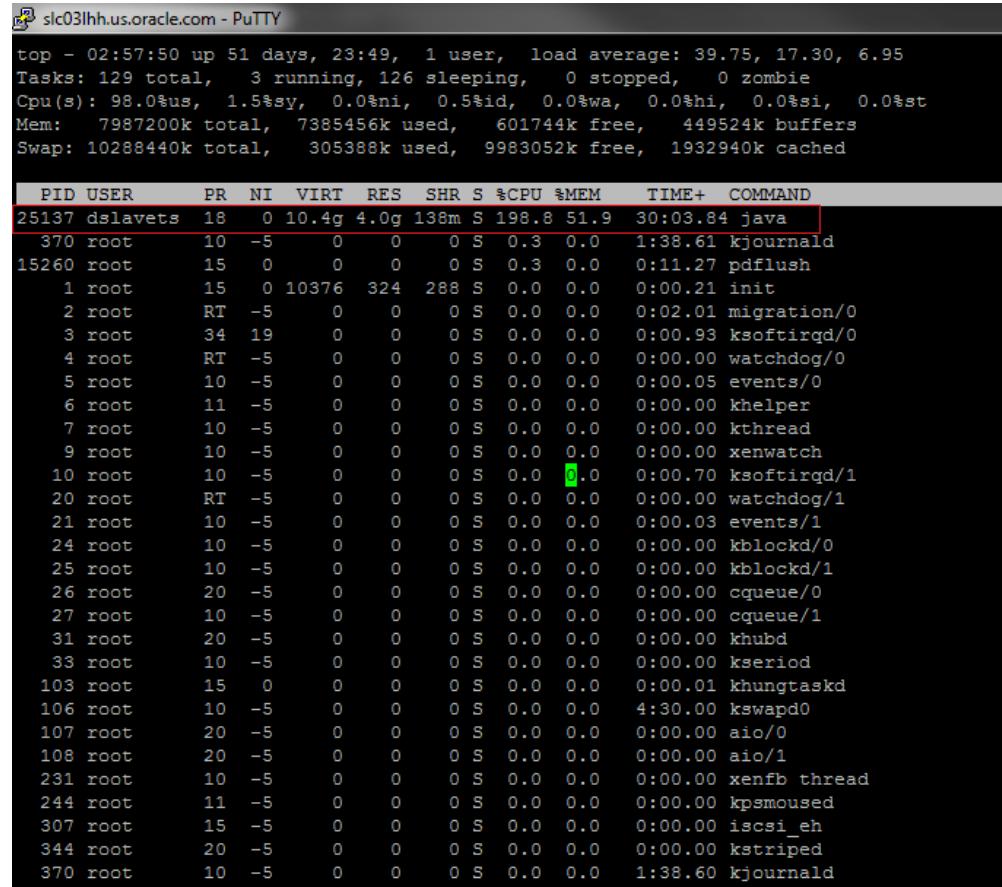
The time and memory consumption difference between 30 and 50 users is insignificant.

**30 users:**



memory\_30.csv

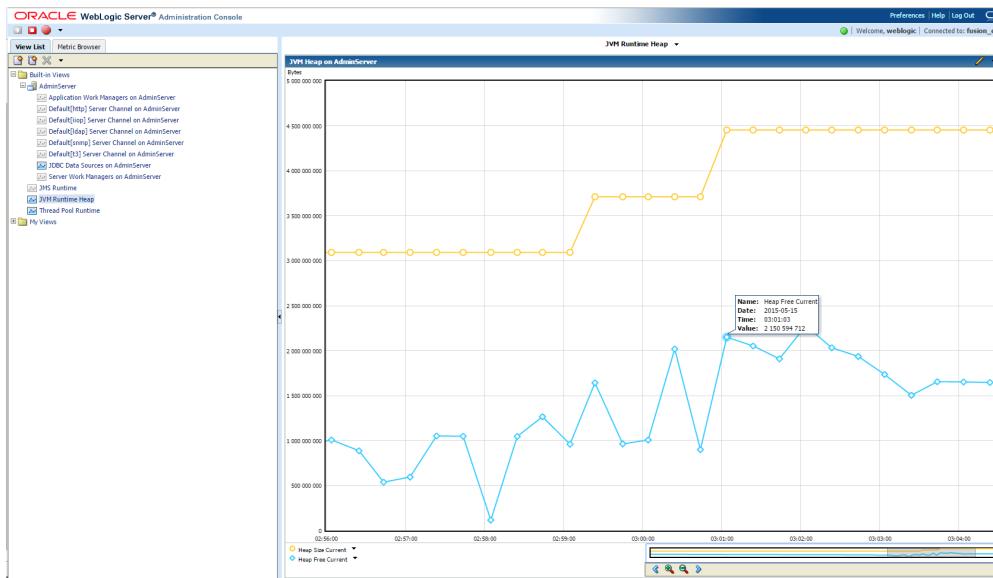
50 users:



```
slc03lhh.us.oracle.com - PuTTY
top - 02:57:50 up 51 days, 23:49, 1 user, load average: 39.75, 17.30, 6.95
Tasks: 129 total, 3 running, 126 sleeping, 0 stopped, 0 zombie
Cpu(s): 98.0%us, 1.5%sy, 0.0%ni, 0.5%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 7987200k total, 7385456k used, 601744k free, 449524k buffers
Swap: 10288440k total, 305388k used, 9983052k free, 1932940k cached

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
25137 dslavets 18 0 10.4g 4.0g 138m S 198.8 51.9 30:03.84 java
370 root 10 -5 0 0 0 S 0.3 0.0 1:38.61 kjournald
15260 root 15 0 0 0 0 S 0.3 0.0 0:11.27 pdflush
1 root 15 0 10376 324 288 S 0.0 0.0 0:00.21 init
2 root RT -5 0 0 0 S 0.0 0.0 0:02.01 migration/0
3 root 34 19 0 0 0 S 0.0 0.0 0:00.93 ksoftirqd/0
4 root RT -5 0 0 0 S 0.0 0.0 0:00.00 watchdog/0
5 root 10 -5 0 0 0 S 0.0 0.0 0:00.05 events/0
6 root 11 -5 0 0 0 S 0.0 0.0 0:00.00 khelper
7 root 10 -5 0 0 0 S 0.0 0.0 0:00.00 kthread
9 root 10 -5 0 0 0 S 0.0 0.0 0:00.00 xenwatch
10 root 10 -5 0 0 0 S 0.0 0.0 0:00.70 ksoftirqd/1
20 root RT -5 0 0 0 S 0.0 0.0 0:00.00 watchdog/1
21 root 10 -5 0 0 0 S 0.0 0.0 0:00.03 events/1
24 root 10 -5 0 0 0 S 0.0 0.0 0:00.00 kblockd/0
25 root 10 -5 0 0 0 S 0.0 0.0 0:00.00 kblockd/1
26 root 20 -5 0 0 0 S 0.0 0.0 0:00.00 cqueue/0
27 root 10 -5 0 0 0 S 0.0 0.0 0:00.00 cqueue/1
31 root 20 -5 0 0 0 S 0.0 0.0 0:00.00 khubd
33 root 10 -5 0 0 0 S 0.0 0.0 0:00.00 kseriod
103 root 15 0 0 0 0 S 0.0 0.0 0:00.01 Khungtaskd
106 root 10 -5 0 0 0 S 0.0 0.0 4:30.00 kswapd0
107 root 20 -5 0 0 0 S 0.0 0.0 0:00.00 aio/0
108 root 20 -5 0 0 0 S 0.0 0.0 0:00.00 aio/1
231 root 10 -5 0 0 0 S 0.0 0.0 0:00.00 xenfb thread
244 root 11 -5 0 0 0 S 0.0 0.0 0:00.00 kpsmoused
307 root 15 -5 0 0 0 S 0.0 0.0 0:00.00 iscsi_eh
344 root 20 -5 0 0 0 S 0.0 0.0 0:00.00 kstriped
370 root 10 -5 0 0 0 S 0.0 0.0 1:38.60 kjournald
```





[memory\\_50.csv](#)

[performance\\_50.csv](#)

### Summary:

**Below are the methods that either have relatively long execution duration or consume more memory. Please, check appropriate CSV files for more details.**

### TIME ISSUES:

oracle.apps.hcm.cardea.dataaccess.dao.jdbc.ActivityDaoImpl.init()

Comment: no need to init multiple times in oracle.apps.hcm.cardea.dataaccess.dao.jdbc.AbstractHwrDao. Make it static?

Relates to all the DAOs extending AbstractHwrDao.

oracle.apps.hcm.cardea.appservices.recommendation.RecommendationGeneratorService.getGoalRecommendationsForUser()

oracle.apps.hcm.cardea.appservices.facade.repository.impl.WellnessUserRepositoryImpl.findById()

Comment: time-consuming, data from multiple tables. Method invoked too many times. Cache UserWellnessLog object within session/request?

oracle.apps.hcm.cardea.appservices.facade.GoalService.getActiveGoalsForUser()

oracle.apps.hcm.cardea.appservices.recommendation.RecommendationGeneratorService.getUserWellnessLog()

oracle.apps.hcm.hwr.wellness.ui.util.AdfUtil.executeAction()

oracle.apps.hcm.hwr.wellness.model.service.adapter.CaloriesServiceAdapter.getCaloriesData()

oracle.apps.hcm.hwr.wellness.model.datacontrol.CaloriesDC.getCaloriesData()

oracle.apps.hcm.hwr.wellness.model.service.adapter.NotificationServiceAdapter.getNotifications()

oracle.apps.hcm.hwr.wellness.model.service.adapter.NotificationServiceAdapter.getNotificationsCount()

```
oracle.apps.hcm.hwr.wellness.model.service.adapter.NotificationServiceAdapter.getRecommendations()
oracle.apps.hcm.hwr.wellness.model.service.adapter.WellnessTeamServiceAdapater.getCurrentUserID()
oracle.apps.hcm.hwr.wellness.model.service.adapter.WellnessUserProfileServiceAdapter.getByUserProfileId()
oracle.apps.hcm.hwr.wellness.model.service.adapter.WellnessTeamServiceAdapater.getTeams()
oracle.apps.hcm.hwr.wellness.model.service.adapter.WellnessUserProfileServiceAdapter.getById()
oracle.apps.hcm.hwr.wellness.ui.bean.WellnessMainManagedBean.getEmptyString()
oracle.apps.hcm.hwr.wellness.ui.bean.CompetitionManagedBean.getEmptyString()
```

#### MEMORY ISSUES:

```
oracle.apps.hcm.cardea.appservices.facade.repository.impl.ContestRepositoryImpl.loadAll
oracle.apps.hcm.cardea.appservices.facade.GoalService.getActiveGoalsForUser
oracle.apps.hcm.cardea.appservices.facade.repository.impl.WellnessUserRepositoryImpl.findById
Comment: UserWellnessLog is quite "big", gets data from multiple tables.
```

```
oracle.apps.hcm.cardea.appservices.recommendation.RecommendationGeneratorService.getGoalRecommendationsForUser
oracle.apps.hcm.cardea.appservices.recommendation.RecommendationGeneratorService.getUserWellnessLog
oracle.apps.hcm.cardea.appservices.ui.UIService.getActivityMeasures
```

Plan:

To look into the methods and refactor them in R12.

| File   | Modified                          |
|--|-----------------------------------|
| ›  main_dashboard_30_users_jdbc.png                | May 21, 2015 by Daniel Slavetskiy |
| ›  main_dashboard_30_users_thread_pool_runtime.png | May 21, 2015 by Daniel Slavetskiy |
| ›  main_dashboard_30_users_runtime_heap.png        | May 21, 2015 by Daniel Slavetskiy |
| ›  main_dashboard_50_users_thread_pool_runtime.png | May 21, 2015 by Daniel Slavetskiy |
| ›  main_dashboard_50_users_jdbc.png                | May 21, 2015 by Daniel Slavetskiy |
| ›  main_dashboard_50_users_runtime_heap.png        | May 21, 2015 by Daniel Slavetskiy |
| ›  memory_30.csv                                   | May 21, 2015 by Daniel Slavetskiy |
| ›  performance_30.csv                              | May 21, 2015 by Daniel Slavetskiy |
| ›  memory_50.csv                                   | May 21, 2015 by Daniel Slavetskiy |
| ›  performance_50.csv                              | May 21, 2015 by Daniel Slavetskiy |
| ›  main_dashboard_50_users_top.png                 | May 21, 2015 by Daniel Slavetskiy |
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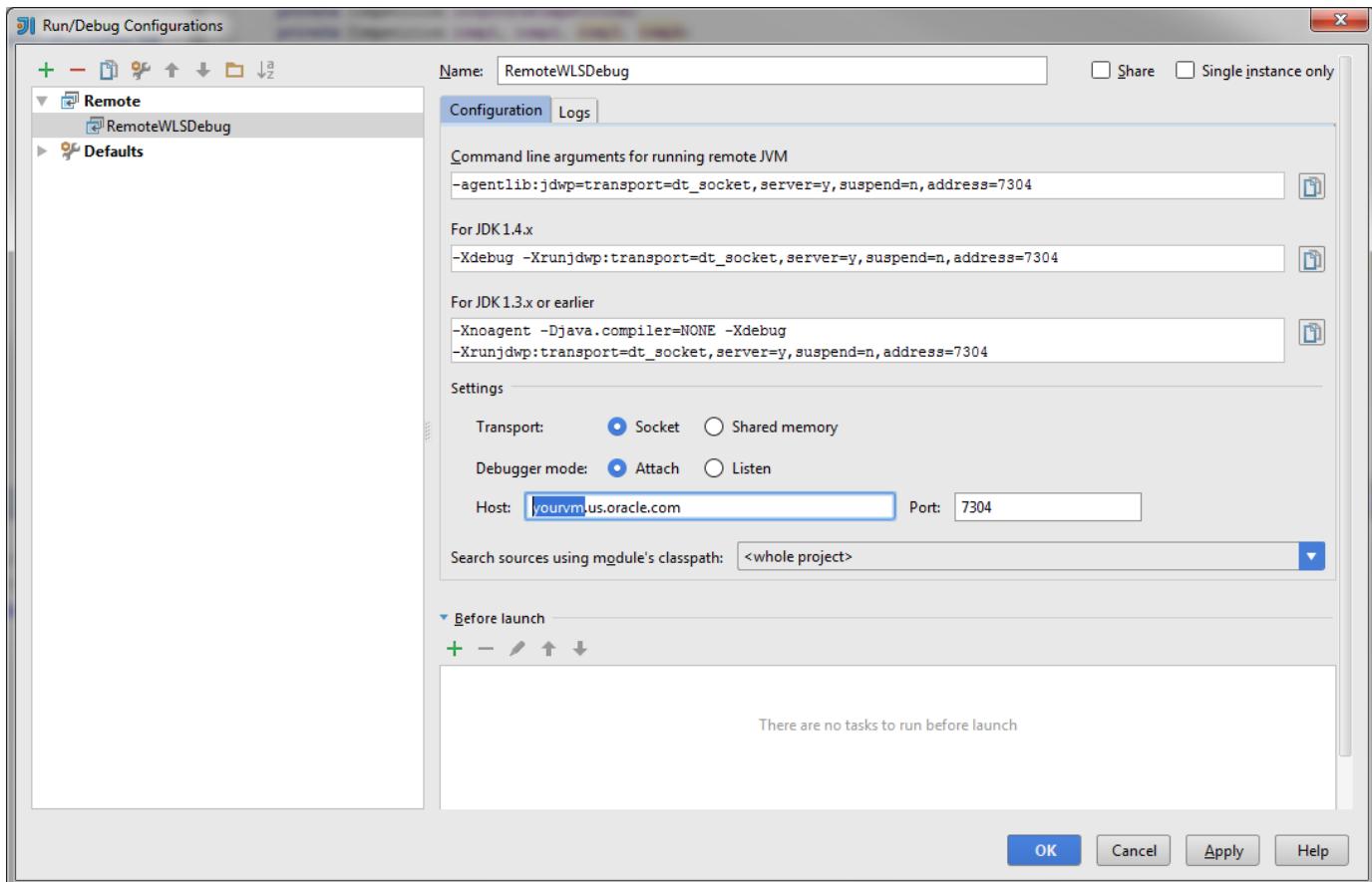
- Performance testing
- R10 testing results
- HWR and HWR-Cardea DB preparation and patches application processes

## Wellness remote debug

A way to debug Wellness web application remotely using Oracle JDeveloper 11g Release 1.

1. Login to your VM and open `/scratch/software/mw_local/<LABEL>/<USER>/mw_home_standalone/user_projects/domains/fusion_em/bin/startWebLogic.sh`  
Find and set DEBUG\_OPTS parameter to `DEBUG_OPTS="-Xdebug -Xnoagent -Xrunjdwp:transport=dt_socket,address=7304,server=y,suspend=n"`  
Make sure DEBUG\_OPTS is added to JAVA\_OPTIONS: `JAVA_OPTIONS=${JAVA_OPTIONS}${DEBUG_OPTS}`
2. Restart WLS
3. Open JDeveloper, Run -> Choose Active Run Configuration -> Manage Run Configurations... -> New(set name and create) -> Edit(select the created) -> set checkbox "Remote Debugging". Goto 'Remote' tab and set Host to your VM host and Port to 7304. Click Ok.
4. Debug using the specified debug configuration

Remote debug should also work from IntelliJ IDEA (tested in 14.1.5). Example:



## Binaries to checkout and pull modules from Git

How to setup:

1. Edit file repos\_checkout.ksh by changing user name akamczyc to your.
2. For convenience put binaries (repos\_\*.ksh) to any directory, which is used by PATH variable. Eg. put to "c:\Program Files (x86)\Git\bin\"

Usage:

1. Check out
  - a. repos\_checkout.ksh requires a list of modules to checking out in file repo\_names.txt. Edit file repo\_names.txt accordingly to your needs
  - b. Put the file to a directory, where you would like the script to check out modules. Eg. d:\work\wellness\repo\R11stable\git
  - c. Change directory, where you would like the script to check out modules. Eg. cd d:\work\wellness\repo\R11stable\git
  - d. Start the script in a shell along with providing a parameter of a branch name. Eg. repos\_checkout.ksh R11stable
2. Pull

- a. Ensure you are in directory, where subdirectories are Git modules. Eg. cd d:\work\wellness\repo\R11stable\git\
- b. Start the script in a shell along with providing a parameter of a branch name. Eg. repos\_pull.ksh R11stable

Optionally, you can use clone.sh script for cloning all the modules into brand new repo.

| File   | Modified                     |
|--|------------------------------|
| ›  repos_pull.ksh   | Aug 18, 2015 by Olek Kamczyc |
| ›  repos_checkout.ksh   | Aug 18, 2015 by Olek Kamczyc |
| ›  repo_names.txt   | Aug 18, 2015 by Olek Kamczyc |
| ›  clone.sh<br>moved hardcoded git username to script parameter | Mar 07, 2016 by Marcin Rybak |

Drag and drop to upload or [browse for files](#)

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## Wellness Requirements

### CardeaNotificationJob

|                 |   |
|-----------------|---|
| Target release  | R12+  |
| Epic            |  <b>WELLNESS-892</b> - CARDEA NOTIFICATION JOB MAY NOT BE SCHEDULED<br><b>90 - CLOSED, VERIFIED BY FILER</b> |
| Document status | <b>DRAFT</b>  |
| Document owner  | Olek Kamczyc  |
| Designer        | Olek Kamczyc  |
| Developers      | Olek Kamczyc  |
| QA              |   |

### Background and strategic fit

The Job is responsible for notifying Wellness users about progress in their goals fulfillment.

### Assumptions

- The Job is scheduled as a part of Wellness Job.
- The notification will be sent as an email message.
- A user need to choose email notifications option in a Wellness profile.
- A user need to have email address defined in a Fusion profile.

## Requirements

| # | Title | User Story | Importance | Notes |
|---|-------|------------|------------|-------|
| 1 |       |            |            |       |
|   |       |            |            |       |

## User interaction and design

### Questions

Below is a list of questions to be addressed as a result of this requirements document:

| Question   | Outcome  |
|--|--|
| Cardea Notification job should use a user email address configured in Fusion.<br>Now the job uses HWR_WLNS_USER_NOT_PRF.contact_info column to retrieve the address, but no one populates this column. | Julie Patibandla has developed an ADF service in the Wellness backer   |
| How to retrieve email address from Fusion?   | <pre>static private final String AM_DEF_N<br/>        "oracle.apps.hcm.cardea.apps<br/>static private final String AM_C<br/>...<br/>WellnessProfileAMImpl am = (Wellness<br/>Configuration.createRootApplicationM<br/>WellnessProfileVOImpl vo = (Wellness</pre> Olek Kamczyc has developed an adapter for convenience |

```
@Repository
public class WellnessUserRepositoryA{
{
    static private final String AM_D_
        "oracle.apps.hcm.cardea.apps.
    static private final String AM_C_
@Override
public UserInfo find(Id pId) {
    WellnessProfileAMImpl am = n
    UserInfo userInfo = null;
    try {
        am = (WellnessProfileAMImpl)
Configuration.createRootApplicationM_
        WellnessProfileVOImpl vo
        am.findViewObject("WellnessProfile")
        vo.setpPersonId(pId.getP_
        vo.executeQuery();
        if (vo.hasNext()) {
            vo.first();
            userInfo = mapRowToDomai
vo.getCurrentRow());
        }
    } finally {
        if (am != null)
            Configuration.releas_
    }
    return userInfo;
}
private UserInfo mapRowToDomainO
    UserInfoBuilder userBuilder =
UserInfo.createBuilder(String.valueOf(
        userBuilder.setAge(pCurrentR_
        userBuilder.setBMI(pCurrentR_
        userBuilder.setHeight(pCurren_
        userBuilder.setJobTitle(pCur_
        userBuilder.setName(pCurrent_
        userBuilder.setOrganization()
        userBuilder.setWeight(pCurren_
        ContactInfo emailInfo =
ContactInfo.builder(null).setEmailAd_
        userBuilder.setContactInfo(em_
return userBuilder.build();
}
}
```

A potential client could look like as follows

```
UserInfo userInfo = mWellnessUserRepo.  
WellnessUserRepositoryAdfAdapter.Id();  
if (userInfo.getContactInfo() != null)  
    emailAddress = userInfo.getContactInfo().getPrimaryEmail();
```

Hi Kent Spaulding

At R12stable+ I am going to move CardeaNotificationJob from a HWR module to a Wellness. The job has 2 dependencies residing in HWR therefore I need to understand whether they will go to ODIN or copies will be created in Wellness. These dependencies are:

- oracle.apps.hcm.hwr.appliances.impl.UmsEmailService

As I see the class is a facade for ADFHCMCommonCore stuff like HCMAgent and HCMMessages. This is quite simple and small and I do not see a problem to make a copy in Wellness or just use Alert and Message inline.

- oracle.apps.hcm.hwr.appliances.impl.ResourceBundleServiceImp

I believe this service could be moved to ODIN since two main variables are - UserPreference (to get a Locale value) and it already exists in ODIN; and bundleName

**odin-hcmplatform-wl** is a project that is not odin, but shared by HWR

1. UmsEmailService will be developed as a new Cardea service
2. ResourceBundleServiceImp - I am waiting on Kent response

## Wellness Smoke Testing Schedule

Team Calendars

## Instructions

Steps after a new Wellness Deployment.pdf

