RBS Help Desk 1111

1. Important Links

1. https://confluence.dts.fm.rbsgrp.net/display/RSERV/Ignite+Platform+Core. -- Confluence page

2. http://slx.web.rbsgrp.net/Content/System/Default.aspx -- Check raised request status

3. http://fm-eu-lon-pac.fm.rbsgrp.net:8081/gbm\_india.pac -- Internet setting link

4. https://confluence.dts.fm.rbsgrp.net/display/RSERV/Home -- Ignite overview

2. Bit bucket write access

Raise a request @ https://jira-dts.fm.rbsgrp.net/servicedesk/customer/portal/44

URL <https://stash.dts.fm.rbsgrp.net/projects/IGNITE>

Check request status

<https://jira-dts.fm.rbsgrp.net/servicedesk/customer/user/login>

3. Kirthi shared location

\\DELMW99789\shared

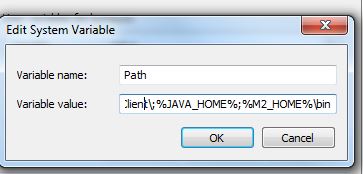
4. Use IntellIJ Idea instead of Eclipse

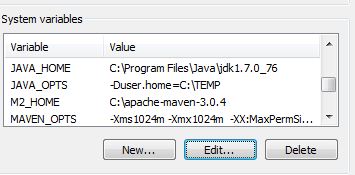
<https://dzone.com/articles/why-idea-better-eclipse>

5. Maven clean install command

mvn clean install -PDynamic –DskipTests

mvn dependency:tree > tree

6. 

7. 

8. Add project to Maven to get all maven dependent things to list

9. To Generate Report means write data to Excel file we need to use

Apache POI jar where for

Excel 2003 – HSSFWORKBOOK

Excel 2007 - XSSFWORKBOOK

10. When creating a project then always

10.1 Use Interface to intract with DB

10.2 Use its implementations

11. Writing Data into file

<https://www.java-success.com/processing-large-files-efficiently-java-part-1/>

12. VVVVVVVVVVVVVVVVVVVVVVVIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

Always we need to enable talent on System using Control panel

13. Reportable manager

To Run reportable manager, we need to

1. Run ReportableManagerStarter. java
2. Use below VM\_Option

-XX:PermSize=256m -XX:MaxPermSize=512m -Denv=ldn.uat14c -Dlogs.dir=C:\\Ashish\_Work\\reportable-manager-dir\\logs

1. After running ReportableManagerStarter. Java, we need to use below link in Browser

<http://localhost:12031/rm/reconciliation>

1. To Debug the same we need to use

Run ReportableManagerStarter. java

1. Install OpenSSh terminal or Use Putty to make SSH connect request

ssh -p 12035 rm\_shell@localhost

she11M3

testOrchestrate runOneReconciliation OTC

14. Cache Comparable Report can be generated using below URL

<http://lonrs10460:9292/cache-compare-web/cc/init>

15. command to run & install MVN

mvn clean install –DskitTests

16. VVVVVVVV

git merge --continue

17. if We are not able to Sync with Remote branch then

Delete Local file and checkout same branch again

git checkout master

git branch -D feature/IGNITE-12032

create new branch

git checkout -b feature/IGNITE-12567

git pull

git checkout feature/IGNITE-12032

**Learn more about Git commands**

**18. Before Commit your changes first need to pull changes from Remote repos**

Git Stash changes

VVVVVVVVVVVVVVVVVVVVVVV

To undo all the local committed changes

git reset HEAD~

1.Add changes to Git

git stash

git pull –rebase

git stash apply

git status

git commit -m "IGNITE-12180"

git push --set-upstream origin feature/IGNITE-12032

**if want to Revert the code**

git commit –amend

delete a branch

git push -d <remote\_name> <branch\_name>

$ git branch -d <branch\_name>

Find current commit of current branch

git reset -–hard – First do git pull

to move a branch to particular commit

git reset –hard <commit>

shortcut to commit git status changes without first add

git commit . then write git comment as well

git reset --soft HEAD^1\

**To Remove file form index**

git reset HEAD <Files>

git commit -m "IGNITE-12180 Report generation of DF compare"

git push --set-upstream origin feature/IGNITE-12032

git push --set-upstream origin feature/IGNITE-12032 –f

git shash changes for long time as

tar -cvf latest\_04\_10.tar <file list>

git remote set-url https://kumaunn@stash.dts.fm.rbsgrp.net/scm/ignite/rates-trade-processing.git

`

Raise PR

1. First Sync your Feature branch with Parent branch

Git pull origin <parent branch>

If its is Merging then use

1. git merge –continue
2. Just push your changes into branch

19. Git Material

All basics Git commands

<http://rogerdudler.github.io/git-guide/>

20. Read StringUtils class -- - This libraby is null safe

Apache common libraby ,

<http://www.java2s.com/Tutorial/Java/0500__Apache-Common/0020__StringUtils.htm>

21. Google Collections

22. Mongo DB

<https://www.w3resource.com/mongodb/introduction-mongodb.php>

23. Javers library to perform Deep Dive comparions of Java Objects

24. Functional programming

<https://pragprog.com/book/vsjava8/functional-programming-in-java?cm_mc_uid=58960637412815063118462&cm_mc_sid_50200000=1506315474>

<https://www.ibm.com/developerworks/library/j-ft1/>

http://www.mkyong.com/tutorials/java-8-tutorials/

.zipWithIndex().partition( t -> t.**v2**%2 ==0)

25. Spring Retry Example

<http://www.baeldung.com/spring-retry>

If it is Interface implementation without Spring Boot then we need to make return type of both Retryable and Recover same VVVVVVVVVVVVVVVVVVVIIIIIIIIIIIIIIIIII

1. Plus both should be declared in interface with Annotations
2. <https://github.com/spring-projects/spring-retry/issues/85>

26. Log File appender works as -- > Today’s date log files will be generated by .log while previous it will be with that date + .log

27. All server Recon works on

<http://lonrs10846:12041/rm/reconciliation/RECONCILIATION-35>

28. sudo su – rsuurun if not supported then user box called lonrs10425

29. Copy file form any Unix server to Local machine

1. Cp <file> to /home/swamivb/d
2. Go to /home/swamivb/d and change file permission using chmod 777<file-name>
3. 3. tar -xzf rebol.tar.gz

30. to find Hostname of any UAT

Go to /apps/IRDuatrun/rsu/ldn/uat14c/cachemgr/etc - > vi cachemgr.properties

31. SSH connection suing java

<http://www.svlada.com/ssh-public-key-authentication/>

32. <https://stackoverflow.com/questions/2901248/com-jcraft-jsch-jschexception-auth-cancel>

<https://www.ssh.com/ssh/authorized_keys/openssh>

33. Specify argeument while running .sh file is

./eodSnapshot.sh -s SITE\_CODE LDN

34. command to paste on bash linux

35. Deploy New service on server

1. Login to lonrs10425

Kumaunn

sudo su – rsuuopr

cd /apps/IRDrsudbld/<respective directory>

Follow confluence page – Use dev environment

https://confluence.dts.fm.rbsgrp.net/display/RSERV/Build+Deployments+-+RS12.0+onwards#BuildDeployments-RS12.0onwards-DEVenvironment(manual)

36. Command to download tar.gz file from TeamCity is

Delete if already exists

If find permission issue then first stop already running service

Go to /apps/IRDuatrun/rsu/ldn/uat14c/ignite-trade-update-service

./app -a stop

If not getting stopped then kill the process

Kill -9 <pid>

curl –- insecure <path-from-teamcity> -u <username> -O

curl --insecure https://teamcity-3-dts.fm.rbsgrp.net/repository/download/Ignite\_IgniteTradeUpdateService\_FeatureOnDemand/220934:id/ignite-trade-update-service/bundle/target/ignite-trade-update-service-bundle-36.0.0-SNAPSHOT-deploy.tar.gz -u malanua -O

and config both files should be downloaded

untar both the files.tar.gz file

tar -xzf rebol.tar.gz

37. Go to /apps/./endpoints/<downloaded-component-bundle-directory>

Stay in Project bundle directory only

./bin/install.sh -c /apps/IRDrsudbld/endpoints/<downloaded-component-config-directory> -e /apps/IRDuatrun/rsu/ldn/uat14c

If it is new service it will ask to create folder for logging information using Rsuurun under

/apps/………/ldn/uat19a/<download-component>

Create dir as rsuurun user

Follow confluence link to activate the service

Follow confluence to start the service

40. https://ssoa-uat.fm.rbsgrp.net/

Use Soap UI for the same

41. if sso password reset call @ 1111

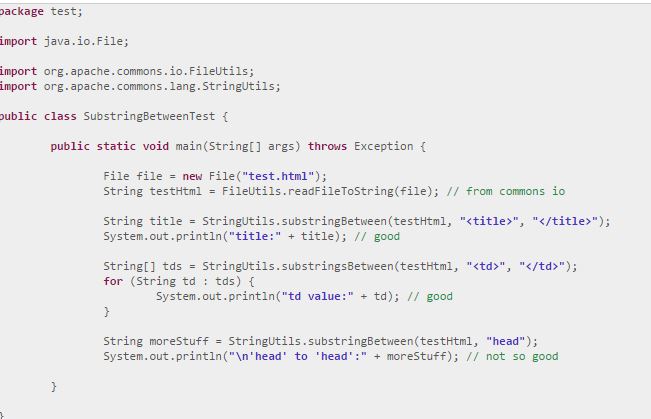
42. Team City process

1. Run Particular project’s On demand on your Branch
2. Run repository’s of that project’s On demand on your Branch
3. Then it allows to Merge the changes

43. Learning Cucumber Test packs

1. <http://blog.czeczotka.com/2014/07/22/cucumber-jvm-with-maven-in-minutes/>

<https://github.com/natritmeyer/cucumber-jvm-java-maven-parallel-picocontainer-selenium-webdriver-pagefactory-skeleton/blob/master/pom.xml>



50. In idea, if we don’t find Java class, package when click on any directory then use right click -> Mark as - > source folders

51. In idea always, Do Do Do Add to Maven when click on Newly created project

52. Raise A new GBM software request.

1. Open GBM console -
2. Choose cost center as - INITI0004

52. Port / host information

To deploy the service on particular uat, we need to choose host/port for that follow RM confluence page , choose port and check if available on host

https://confluence.dts.fm.rbsgrp.net/display/RSERV/Reportable+Manager+and+Data+Fabric+Environment .

 netstat -anp | grep 18531

ps -ef | grep uat14c

https://confluence.dts.fm.rbsgrp.net/display/RSERV/Release+Notes+35#ReleaseNotes--1079881772

Rbs builds release process

1. Release builds are deployed on promotion basis by Env team

To make release build, we need to perform below steps

* 1. from Master branch - >> Run Branch on Demand

by using Run - > Paramter - > releaseVersion , Jira, next version – it should be 38.0.0-SNAPSHOT

Run -> Changes - > Default is Master only

It will create release/releaseVersion branch in that Repo automatically and

Triggers Patch on Demand as well

Patch on demand will give us Artifacts

Which Further invoke Update SnapShot job also

Which Bump version in Master automatically

Patch on Demand may fail due to some version dependencies in this case need to change Relese dependencies then again Run Patch on Demand

Which will then Invoke Deploy Patch Job and finally Artificates would be deployed on

/apps/IRDrsudbld/ignite/builds/rates-trade-processing/release/37.4/25/ignite-trade-update-service/bundle/target

Then ask Ankur to promote build on Env.

Example

Say make 1. Release/37.4 with next 38.0 on master

1. will create **release/37.4** and will Bump 38.0 version on master
2. Probably Patch on demand will fail but update SNAPSHOT will run successfully
3. If Patch on demand fails then need to change dependencies for that create
4. **Feature/37.4** branch from **release/37.4** means both should be in sync
5. **Now make changes in feature/37.4 then raise PR to release/37.4 only**
6. Once PR approved then Run **Patch on demand** on **release/37.4 only**

Using Jira as parameter, try same steps until it runs successfully.

1. It invokes Deploy patch automatically and artificates would be there

/apps/IRDrsudbld/ignite/builds/rates-trade-processing/release/37.4/25/ignite-trade-update-service/bundle/target

Find properties and cfg at below path

/apps/IRDuatrun/rsu/ldn/uat14b/ignite-trade-update-service/etc/config

**Manual Development Steps:-**

1. Login as rsuuopr user and go to /apps/IRDrsudbld/rates-trade-processing if not exist create the same
2. Download binaries and configs from Team city using below command  
   2.1 curl --insecure <Team city binary url> -u <username> -O  
   2.2 curl --insecure <Team city config url> -u <username> -O
3. untar both the files tar.gz file using

3.1tar -xzf rebol.tar.gz

1. Install binary. go to /apps/IRDrsudbld/rates-trade-processing/ignite-trade-update-service-bundle-\* and run below command

./bin/install.sh -c /apps/IRDrsudbld/rates-trade-processing/<ignite-trade-update-processing-bundle-config-\*> -e /apps/IRDuatrun/rsu/<site>/<env>

1. Activate binary. Go to /apps/IRDuatrun/rsu/<site>/<env>/<ignite-trade-update-processing-bundle-\*> and run below command

./opt/bin/activate.sh

1. Start/stop service

6.1 login as sudo su - rsuurun

6.2 Go to cd /apps/IRDuatrun/rsu/<site>/<env>/<ignite-trade-update-processing-bundle-\*>

6.3 ./app -a stop/start

VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV

For Master - Rates trade processing, platform core and common should always be SNAPSHOT

Bonds or IRS confluence page

https://confluence.dts.fm.rbsgrp.net/display/RSERV/Bonds+Environment+Details

ODC HTTP API READ RESTRICTED

SSO c3NvVG9rZW46S1ZnY2pkMm04bWJoRU0zTTU2elUremdMejlVUnhCcnRhS3l1Y2E4N3JaVGwyM3A1VDVCL3hoZlRObW9zU2crS0lMd0VscU5Ga3BtaDFOV21YNWpWZzRqTVdnS25GcGx4YmFYWXZTblM3M3pFU1hVcm93QzVLa1pPbWlLZXVya1pRd2xaL1czL2JVcmpTV0pmb3NXVng5ZTVtUXFRL21lYVNLelozZUhUa0o0PXwwfGt1bWF1bm58T0RDLUhUVFAtQVBJLVJFQUQtUkVTVFJJQ1RFRHwyMDE3MTIxMjA4MTAyMXwxODAwfA==

new file: ignite-trade-update-service/business/src/main/java/com/rbs/ignite/business/itus/mgmt/IRSHealthCheck.java

new file: ignite-trade-update-service/business/src/main/java/com/rbs/ignite/business/itus/mgmt/ODCHealthCheck.java

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.ci.properties

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.default.properties

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.ldn.prod.properties

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.ldn.uat14b.properties

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.ldn.uat14c.properties

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.ldn.uat16c.properties

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.ldn.uat19a.properties

modified: ignite-trade-update-service/business/src/main/resources/config/ignite-trade-update-service.local.properties

VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV

‘

VVVVVVVVVVVVVVVVVVVVVVVVVVVVV

In dependencyManagemnt we can write the same Project parent dependency

Like ignite-trade-update-processing can be used in dependenyManagement which would be used by ignite-trade-bundle-

VVVVVVVVVVVVVVVVVV

To make free space

We need to use sudo su - rsudbld