**ALL TASKS ENVIRONMENT TEAM USED TO GET VIA JIRA AND MAILS**

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1. **PREPARING AN ENVIRONMENT FOR UPCOMING RELEASE BY COPYING PRODUCTION DATA TO NON PROD(QA/PERF) ENVIRONMENTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Environment** | **System** | **Activities** | **Owner** | **Remarks** |
| Hot Fix Live | WCS | PROD Live DB Export | DBA | Ask DBA team to exclude list of tables  while taking Export. |
|  |  | DB Import from PROD Live - Hot Fix Live | DBA | Ask DBA to take backup of exclude table  List then start import with prod backup.  Then import this exclude table list backup. |
|  |  | Validate DB import/storeconf,srchconf /srchconfext | Build Team | Compare both DB’s and make sure data is  in sync by using given command here and  mentioned 3 tables should not  have prod live host names |
|  |  | Code deployment- from Trunk | Build Team | Latest Prod Package |
|  |  | Admin console changes WESB/CTO/VM | Build Team |  |
|  |  | Full Index | Build Team/Dev Team |  |
| Hot Fix STG | WCS | Stage Copy from Hot Fix live to Hot Fix STG | Build Team | Copies specific tables and triggers |
|  |  | Truncate Stag log as all the data Exist is dummy | Build Team | TRUNCATE TABLE STAGLOG; |
|  |  | Full indexing | Build Team |  |
|  |  | Restart All App and Solr Servers | Build Team |  |
|  |  | Code deployment- from Trunk |  | Latest Prod Package |
|  |  | Stage Propagation | Build Team | post QA handover(or) QA data setup |
| Hot Fix STG | VM | Model Import | DEV Team |  |
|  |  | Model Compilation | DEV Team |  |
|  |  | Hot fix LIVE and STG store validation | Dev Team/Build Team |  |
| Hot fix Live and STG |  | Execute latest release notes pre and post deployment steps | Build Team | Patches alone can be taken. |
| **Hot Fix Live/STG** |  | **Handover to QA** | **Build Team** |  |

**Exclude table list:**

****

**Query to compare 2 DB’s:**

Select

table\_name,

to\_number(

extractvalue(

xmltype(

dbms\_xmlgen.getxml('select count(\*) c from '||table\_name))

,'/ROWSET/ROW/C')) count

from

user\_tables

ORDER BY

table\_name;

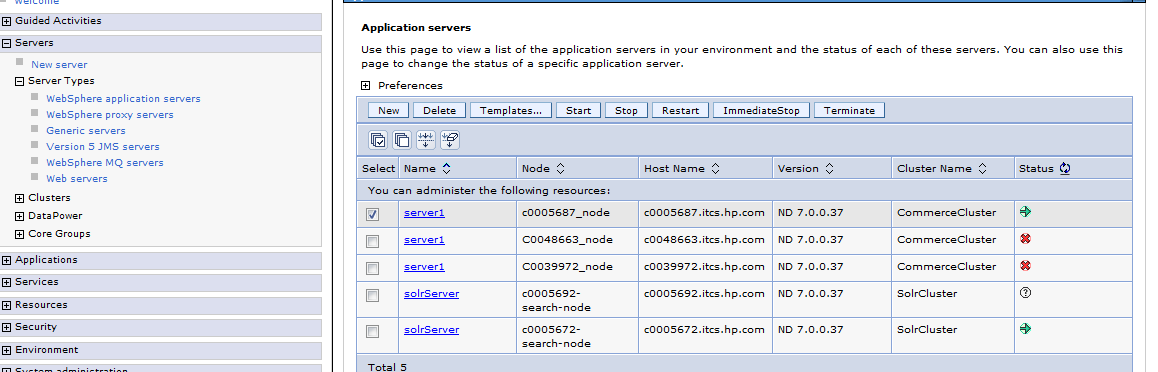
**Staging copy document:**

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**2. SERVER RESTART**

1. **For WCS,WESB,CTO,VM – Restart through console**

* Login to ibm console (e.g. <https://c0005687.itcs.hp.com:9043/ibm/console>)
* click on server types ->WebSphere application servers
* select all running servers click on stop once all servers showing red mark



* select all servers click on start
* during start check SystemOut.log in server for errors
* If servers restarted successfully it should show green

**For clean restart of WCS/WESB/CTO/VIM – restart server1, Node Agent and DMGR.**

**b. OMS- Restart through backend**

1. Login into the server

2. Go to the path /opt/apps/IBM/WebSphere85/AppServer/profiles/AppSrv01/bin

3. Execute ./stopServer.sh server1 <server name>

4. Once server stopped successfully execute ./startServer.sh <server name>

**To Restart Agent servers**

1. Login to agent servers

2. Go to the path /opt/apps/IBM/scripts

3. Execute ./startAgents.sh stop <parameter as stop> to stop all agents

4. Once all agents stopped successfully execute, ./startAgents.sh

**To restart particular agent**

1. Login to agent server

2. Enter ps –ef|grep <agemt name>

3. Kill the process

4. Go to the path /opt/apps/IBM/scripts

5. Execute startAgents.sh <agent name>

**To restart webserver**

1. Issue ps -ef|grep httpd to check status of server
2. Execute below to stop

sudo /opt/apps/IBM/HTTPServer/bin/apachectl stop

sudo /opt/apps/IBM/HTTPServer/bin/adminctl stop

1. Execute below to start

sudo /opt/apps/IBM/HTTPServer/bin/adminctl start

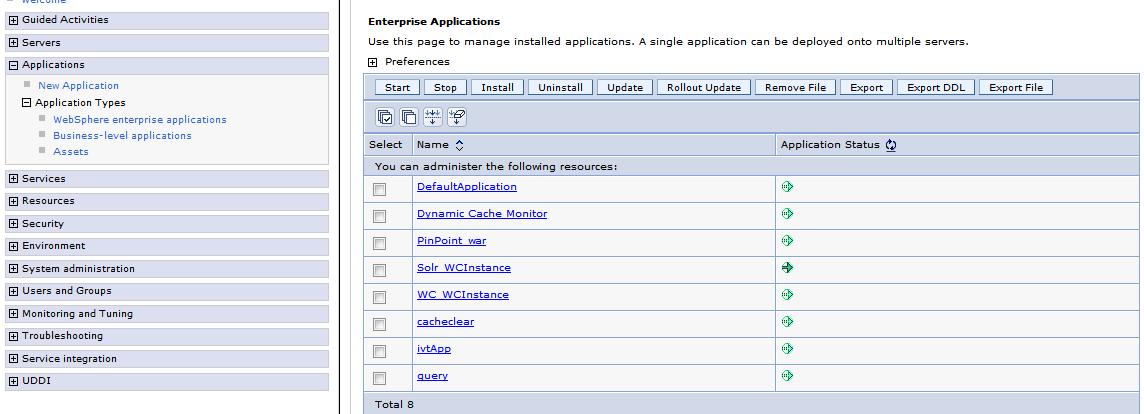
sudo /opt/apps/IBM/HTTPServer/bin/apachectl start

1. **PATCHES THROUGH CONSOLE (utmost care has to be taken)**

Get Stores.war (zip or tar) format file from DEV, then patch directly through console for app servers. The folder structure should be Stores.war.zip->Stores.war->….. (Same as server path)

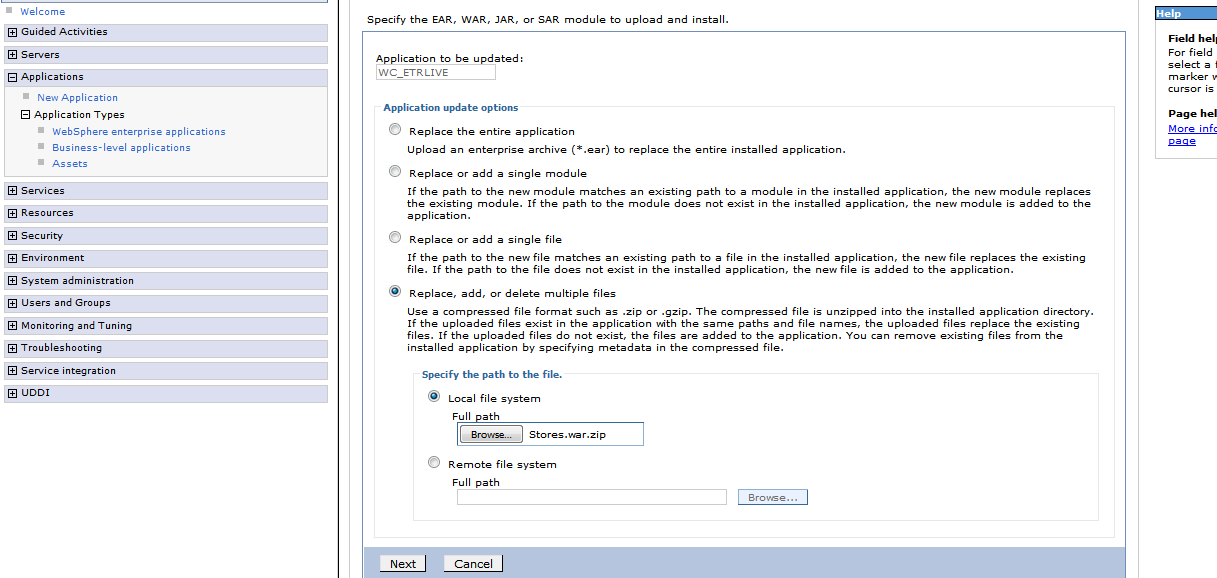
1. Login to IBM WCS console

2. Click on Applications->WebSphere Appserver Applications



3. Select application name <e.g. WCINStance/ETRLIVE/ETRSTAGE>

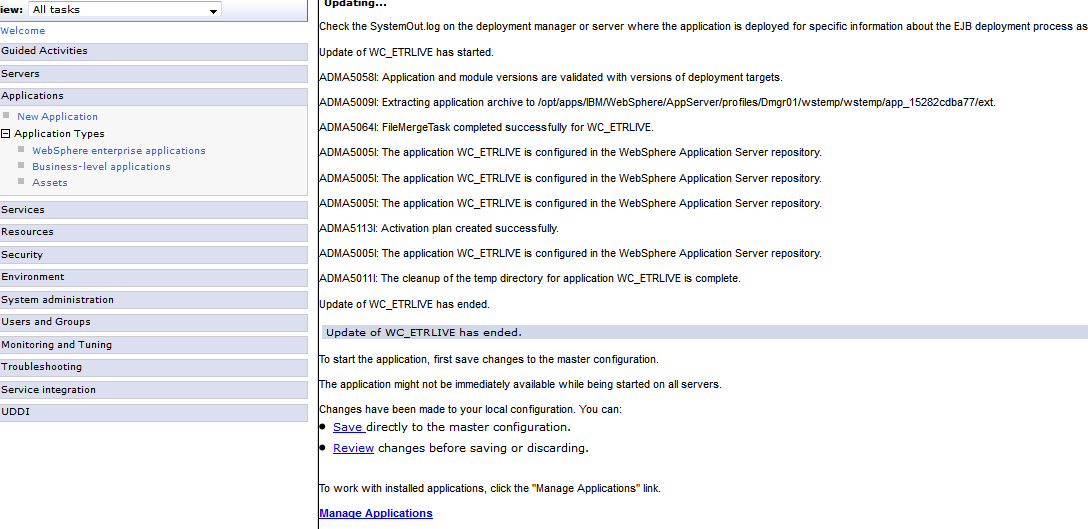
4. Click on Update



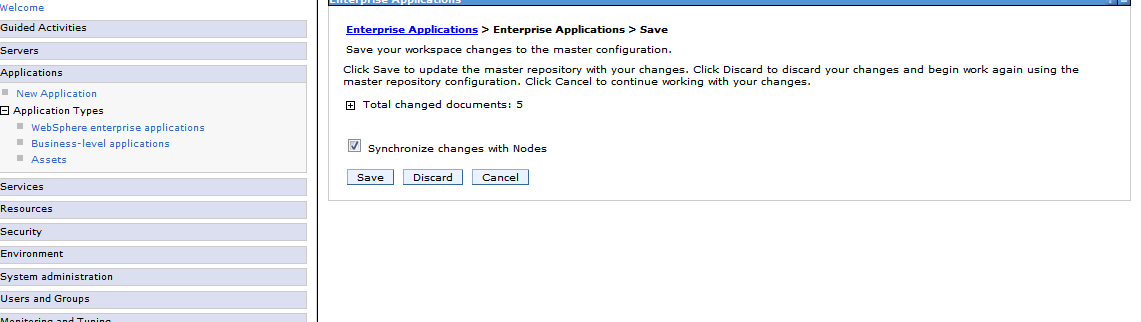
5. Select Replace add or delete multiple files

6. Browse and select the Store.war.zip file

7. Click on Next



8. Click on Review

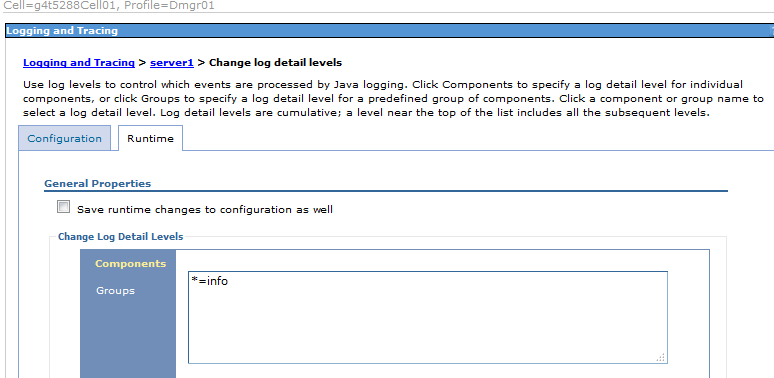


9 .Enable Synchronize changes check box

10. Click on Save then application will automatically restart till then wait.

**4. TRACE ENABLE:**

* 1. Need to login to IBM console and go through: Troubleshooting🡪Logs and trace🡪server🡪Diagnostic trace service🡪configuration or runtime🡪Change Log Detail Levels

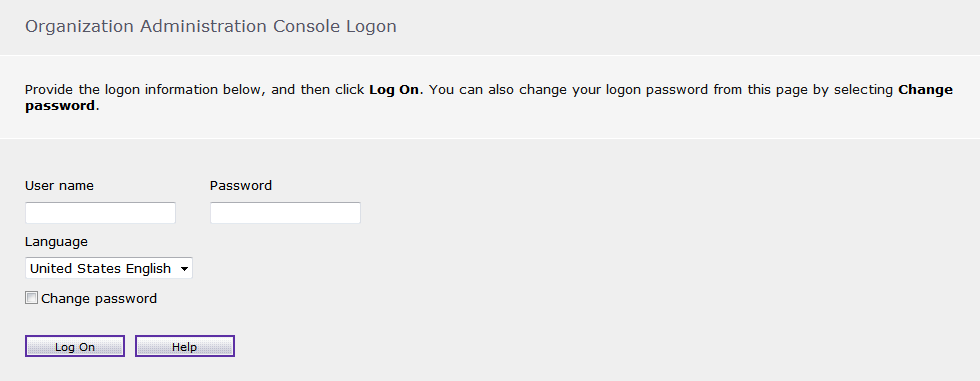


**5. USER CREATION**

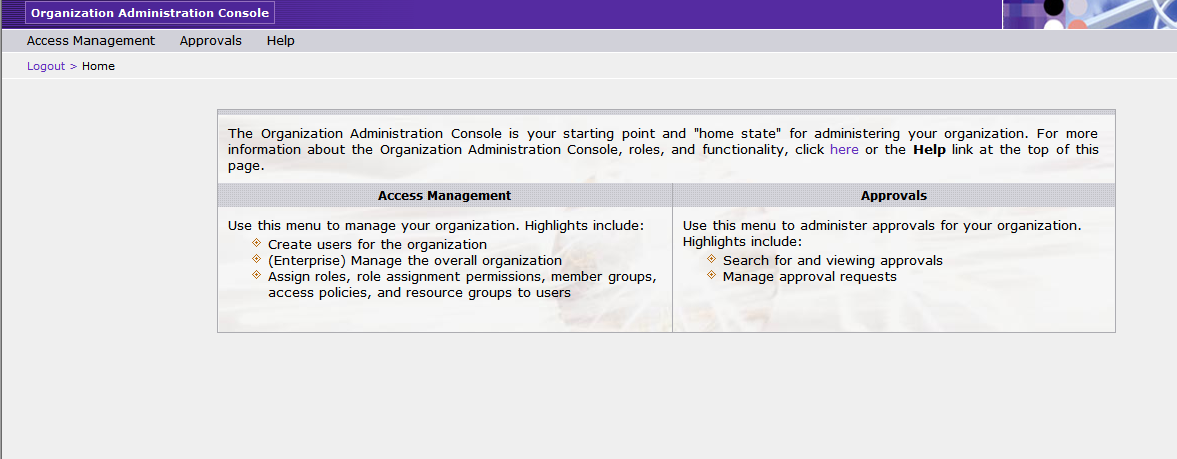
User creation can be done through orgadmin console

1. Login to orgadmin console through URL

https://glbecomtran-wcsweb-dev7.glb.itcs.hp.com:8004/orgadminconsole



2. Provide username and password



3. Click on Access management -> Create User



4. Enter logonid(all should in small letters) ,first name and last name

5. Enter the password



6. Select preferred language as US English

7. Parent Organization as HP USAPushstore

8. Give Street address as 950W Maude Avenue

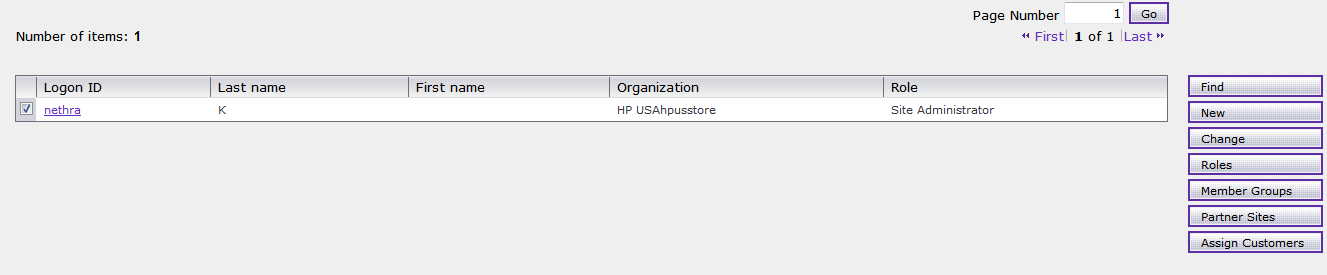
City - Sunnyvale

State - California

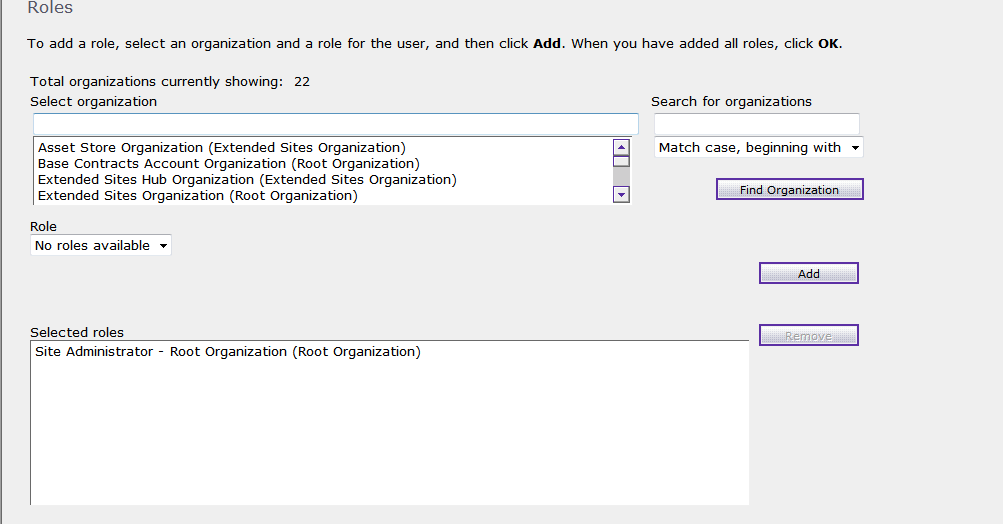
Zip code - 96048

Country - US

9. Click on ok



10. Select the name and Click on Roles



12. Select Organization as root organization and Role as Site administrator ( Role can be vary)

14. Click on add

15. Click on ok

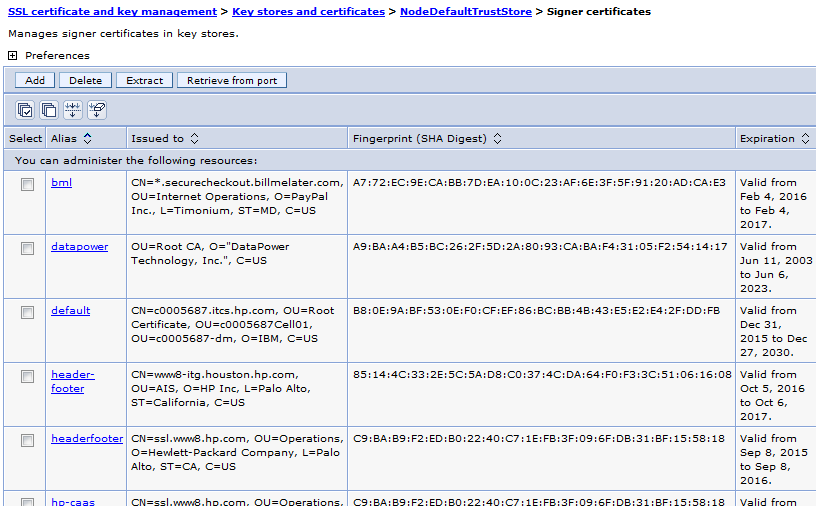
**6. SSL CERTIFICATES INSTALLATION:**

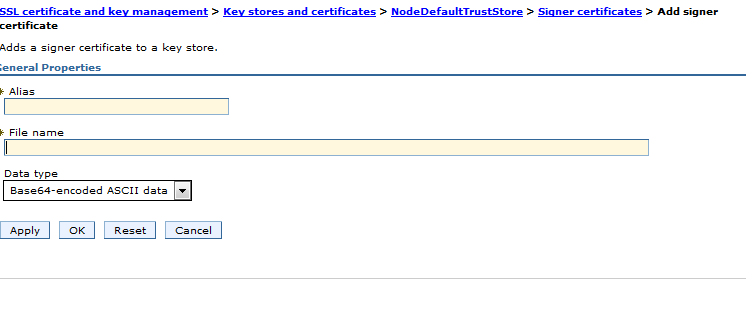
1. Need to login to IBM console and go through: Security🡪SSL certificate and key Management🡪Key stores and certificates🡪Cell default Trust store🡪Signer certificates🡪Add (if it is new certificate).



1. Need to do the same for all nodes also: Security🡪SSL certificate and key Management🡪Key stores and certificates🡪Node default Trust store🡪Signer certificates🡪Add (if it is new certificate).







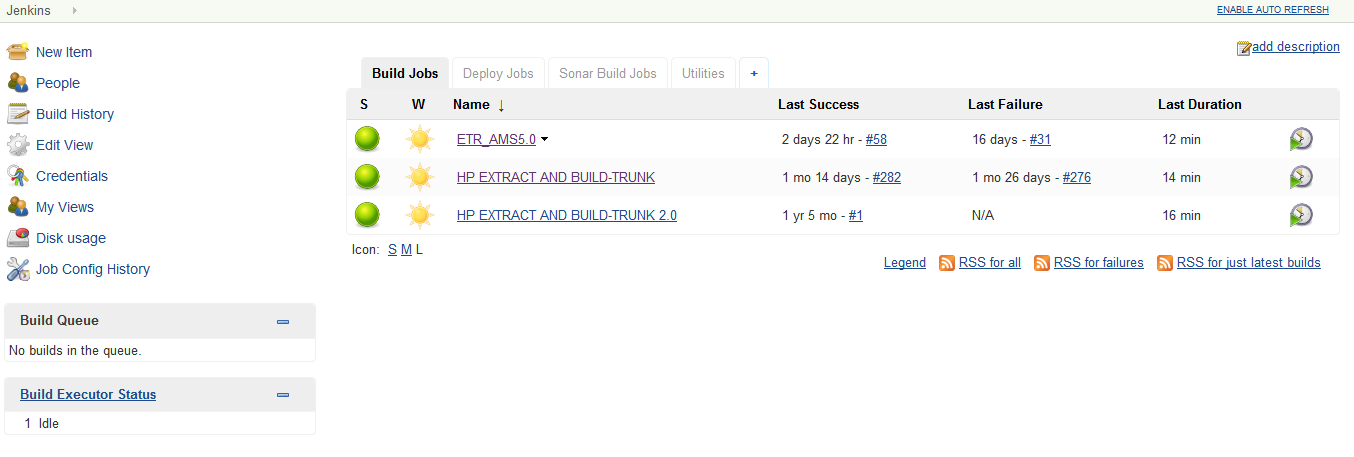
1. In alias field enter certificate name
2. In file name enter certificate name with full path ,where you have stored the certificate in the server (e.g /tmp/certificate name>

For PayPal (Need to do the same for node and cell): Security🡪SSL certificate and key Management🡪Key stores and certificates🡪Cell Default Key Store🡪Personal Certificates🡪 Click import > select key store file > mention the certificate name with location path > select Types as PKCS 12 > key file password as “testingbusiness”.

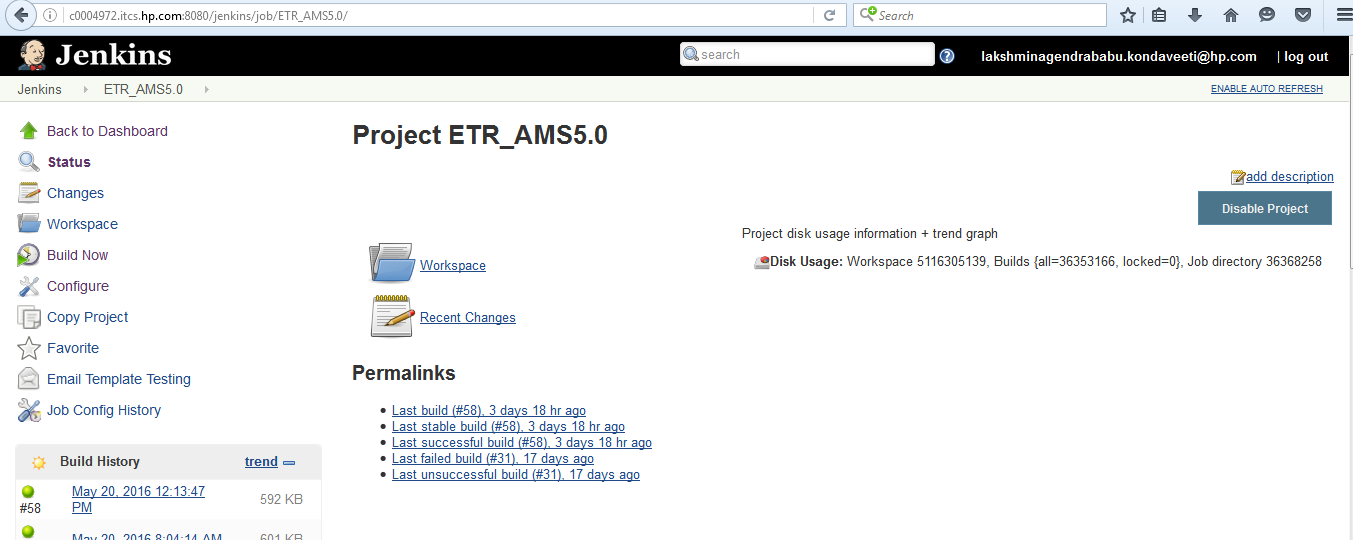
**7 .WCS BUILD AND DEPLOYMENT**

**CASE 1: FRESH BUILD AND DEPLOYMENT IN DEV7 (lower environment)**

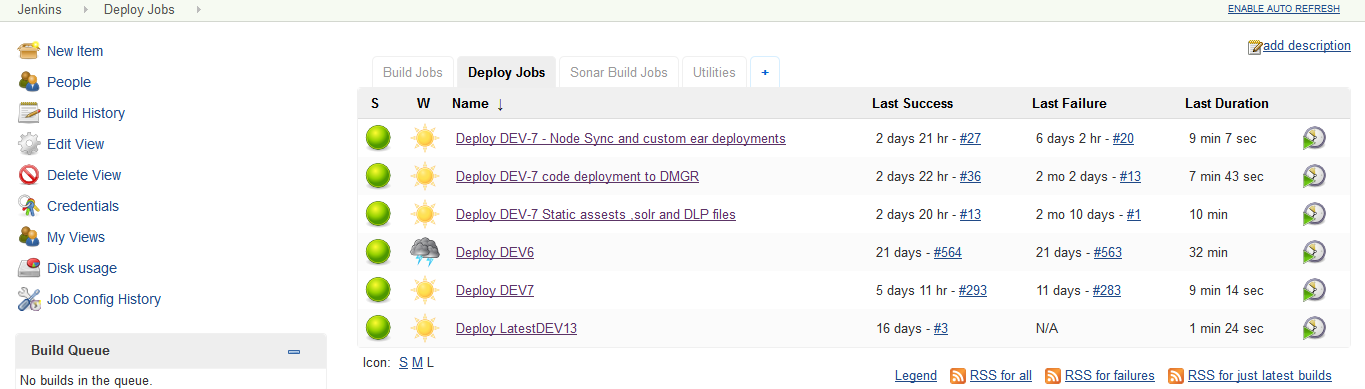
1. To do fresh build and deployment in lower environment like dev7, first need to do build.
2. For doing build, open Jenkins🡪Build Jobs🡪ETR\_AMS7.0(if it is related to branch).



1. Then select “Build Now” from the left side list.



1. For doing deployment (go to Jenkins🡪Deploy Jobs-🡪Deploy DEV-7 code deployment to DMGR).



1. Then select “Build Now” from the left side list.



# Then go to (Jenkins🡪Deploy Jobs-🡪 Project Deploy DEV-7 - Node Sync and custom ear deployments).

# Then click on “Build Now” from the left side list

# w3

# Then go to (Jenkins🡪Deploy Jobs-🡪 Project Deploy DEV-7🡪 Deploy DEV-7 Static assests ,solr and DLP files)

# w4

# Then click on “Build Now” from the left side list.

# CASE 2: DEPLOYMENT OF EXISTING PACKAGE

# 1. Go to Jenkins-🡪utilities-🡪setbuildnumber

# 

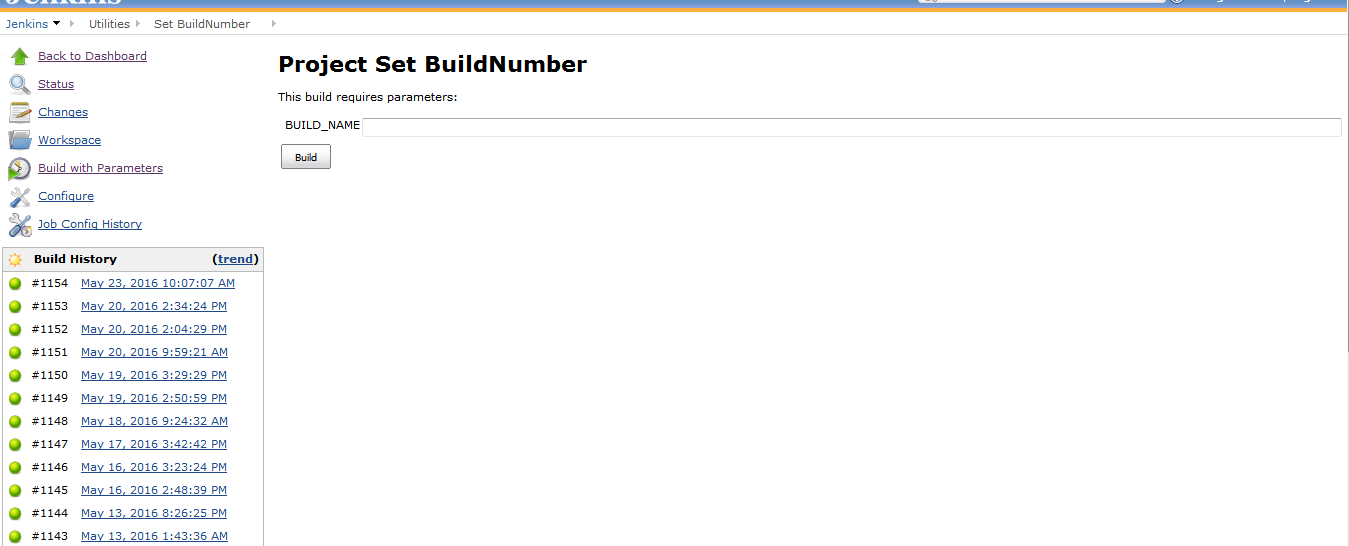
2. Then enter the package name, which you want to deploy (ex: wcs\_b\_r58352\_21Apr2016\_RAMS5.0\_3).

3. Then need to do the 3 steps as mentioned above, which are:

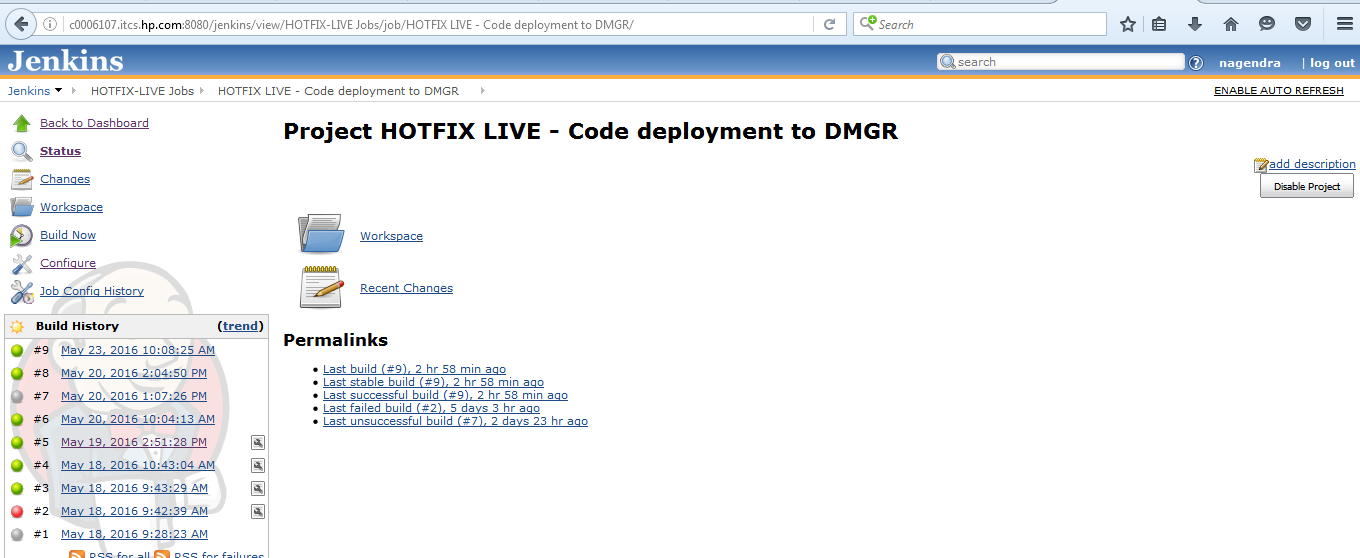
1. Deploy DEV-7 code deployment to DMGR).
2. Node Sync and custom ear deployments
3. Deploy DEV-7 Static assets ,Solr and DLP files

**CASE 3: DEPLOYMENT IN HIGHER ENVIRONMENT (EX: HOTFIX, UAT2 on 6107 server)**

1. Go to Utilities-🡪Set Build Number-🡪build with parameters
2. Give the corresponding package to deploy(ex: wcs\_b\_r59206\_20May2016\_RAMS5.0\_58)
3. Then click on build.



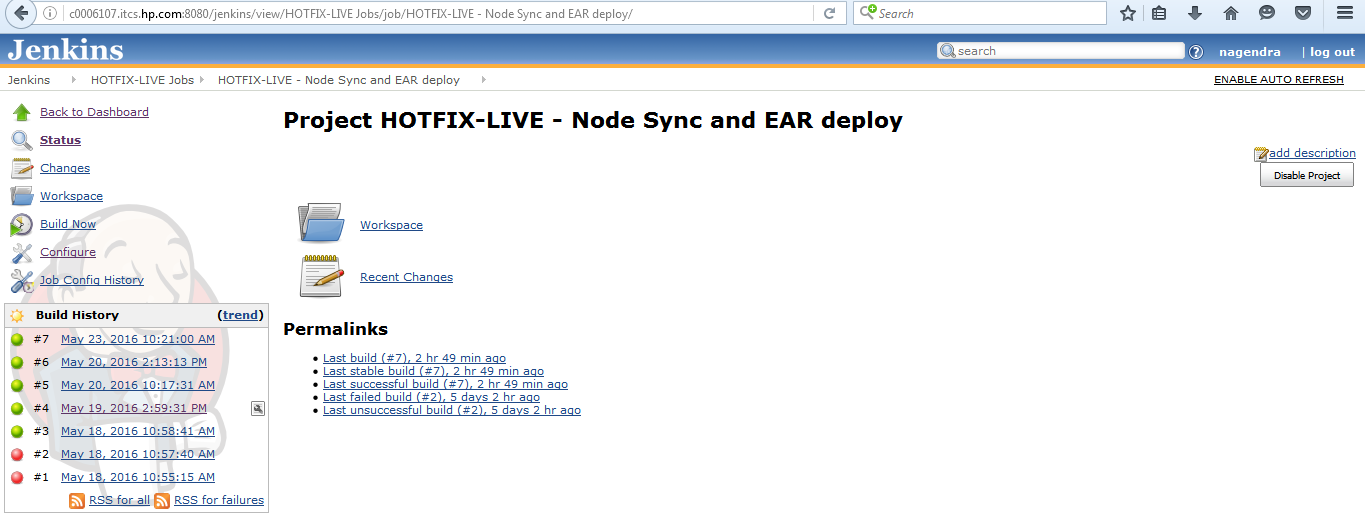
# 4. Go to Hotfix live jobs-🡪Project HOTFIX LIVE - Code deployment to DMGR



5. Then click on “Build Now”.

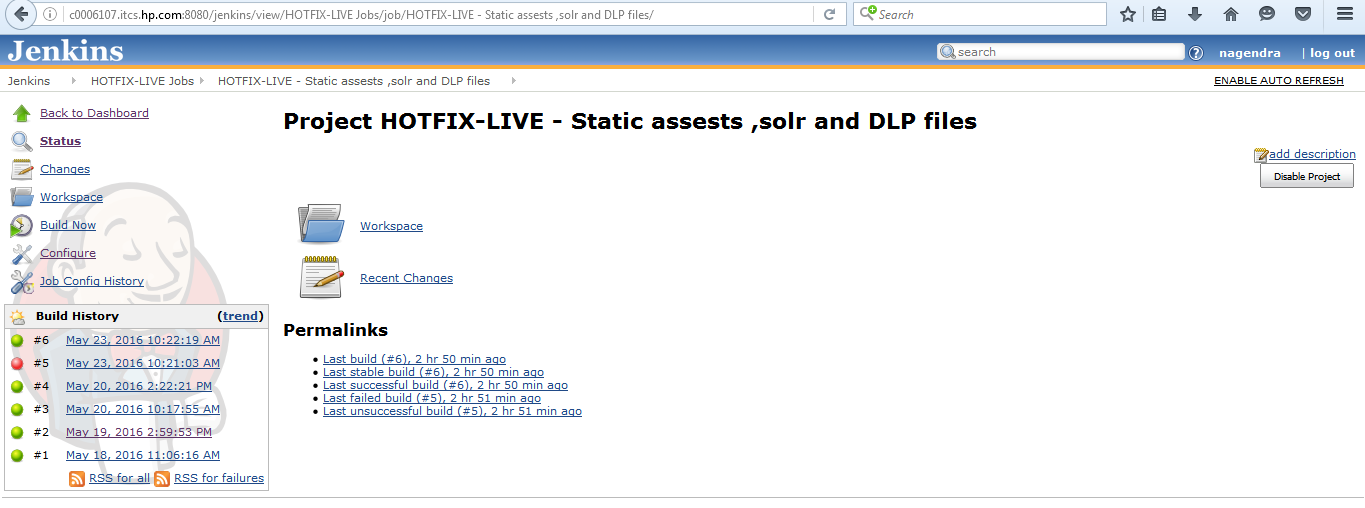
# 6. Then go to Hotfix-live jobs-🡪Project HOTFIX-LIVE - Node Sync and EAR deploy

# 7. Then click on “Build Now”.



# 7. Then go to Hotfix-live jobs-🡪 Project HOTFIX-LIVE - Static assets, Solr and DLP files.

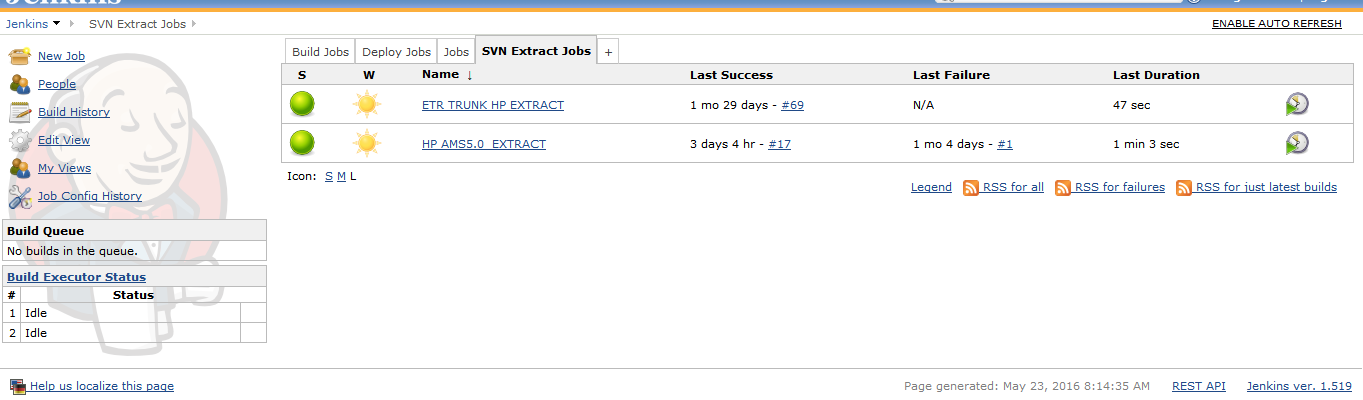
# 8. Then click on “Build Now”.



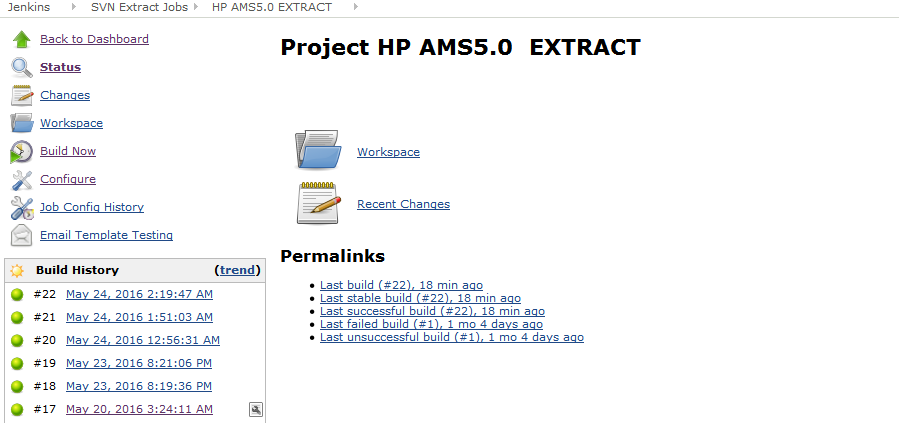
**8. OMS BUILD AND DEPLOYMENT (6109)**

**CASE 1: FRESH BUILD AND DEPLOYMENT IN DEV7.**

1. Go to Jenkins🡪Svn Extract Jobs-🡪HP AMS7.0\_ETRACT-🡪



2. Then click on “Build Now”



1. After completion of build take the revision number from the build logs(ex:r59143)
2. Then go to Buildjobs--🡪Build to dev7
3. Here give the revision number taken from the logs, and select the required “ETR” and “LABEL”

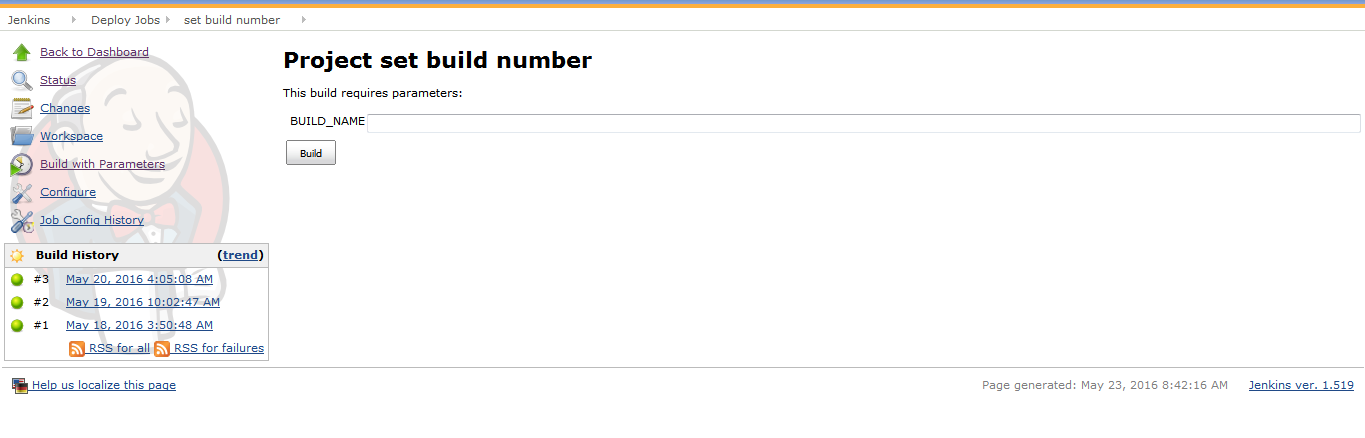


7. Then click build.

8. Then take the build package name from the build logs (ex: OMS\_b\_r59143\_20May2016\_AMS5.0\_DEV7\_6)

9. Go to Deploy jobs-🡪set build number🡪build with parameters

10. Give the above taken build package and click build.

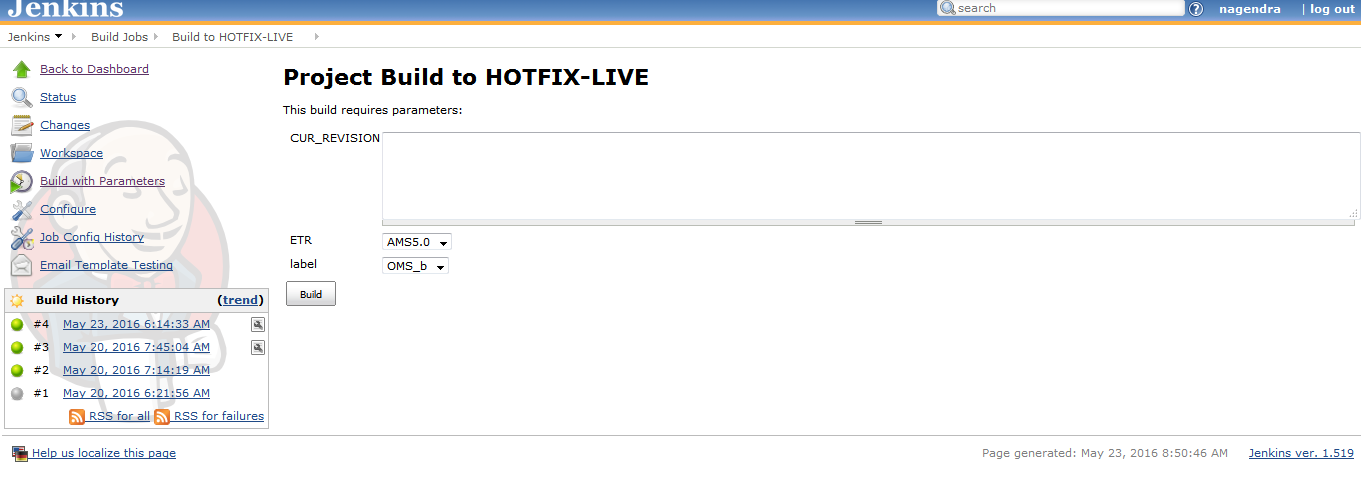


1. Then go to deployjobs-🡪deploydev7-🡪build now

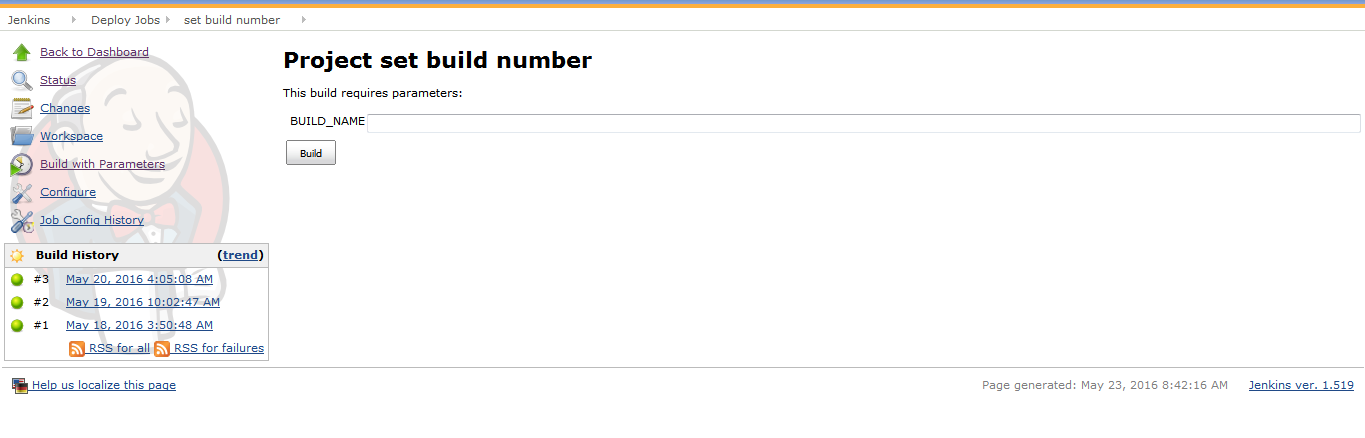


**CASE 2: DEPLOYMENT with existing package (HOTFIX, UAT2,DEV7)**

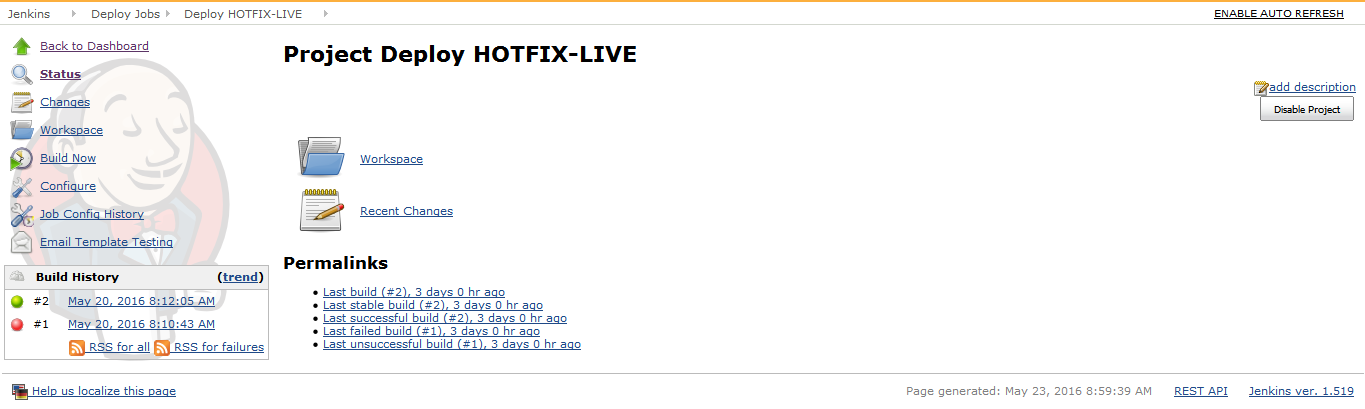
1. Go to Jenkins🡪Build Jobs-🡪Build to Hotfix Live
2. Give the Revision number (ex:r59143) and select corresponding “ETR” type and “LABEL” type and click build.



1. Then take the build package name from the build logs (ex: OMS\_b\_r59143\_23May2016\_AMS5.0\_HOTFIX\_6)
2. Go to Deploy jobs-🡪set build number🡪build with parameters
3. Give the above taken build package and click build.



1. Then go to Deploy Jobs-🡪Deploy Hotfix live🡪Buildnow



**9. CTO BUILD AND DEPLOYMENT**

CTO build and deployment should be done through backend

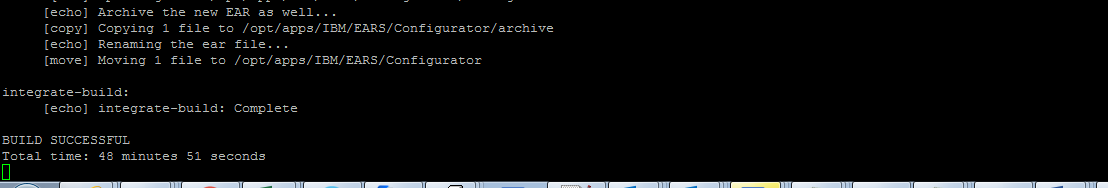
1.login to CTO build server (c0004995.itcs.hp.com)

2.go to path /opt/apps/IBM/scripts

3.open init.sh

4.Give svn\_branch(e.g ETR\_AMS3.0 )and svn\_tag name (If its fresh build and deployment no need to give svn\_tag)

5.execute the script ./buildConfigarator1.sh envname (should give the env name as parameter e.g dev07)



6.Go to /opt/apps/IBM/logs to check status.you should see Build successfull message

7. execute ./postbuildConfigurator.sh servername (this should be done for all available CTO servers under that environment)

8. execute ./deployconfigurator1.sh envname (parameter should be envname )

9. Go to /opt/apps/IBM/logs to check status

**10. VM BUILD AND DEPLOYMENT**

Vim build and deployment should be done through backend

1.Login to CTO build server (c0004995.itcs.hp.com)

2.go to path /opt/apps/IBM/scripts

3.open init.sh and Give svn\_branch(e.g ETR\_AMS3.0 )and svn\_tag name (If its fresh build and deployment no need to give svn\_tag)

4.Execute the script ./buildSViM.sh envname (should give the env name as parameter e.g dev07)

5.Go to /opt/apps/IBM/logs to check status.you should see Build successfull message

6. execute ./postBuildSViM.sh servername (this should be done for all available CTO servers under that environment)

8. execute ./deploySViM.sh envname (parameter should be envname )

9. Go to /opt/apps/IBM/logs to check status

**11. CREATING NEW BUILD & DEPLOY JOB IN JENKINS**

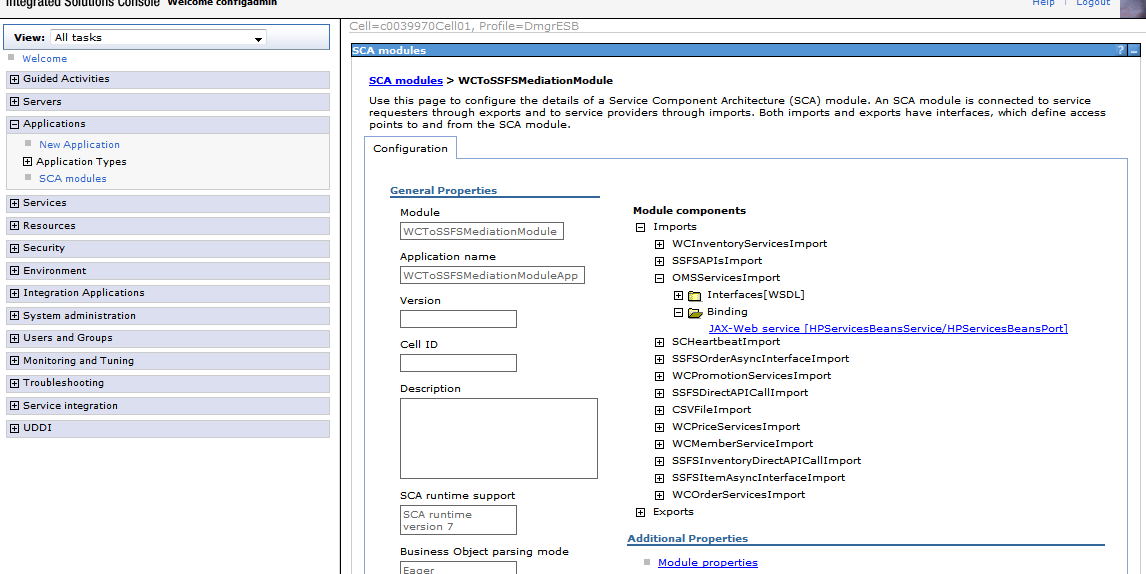
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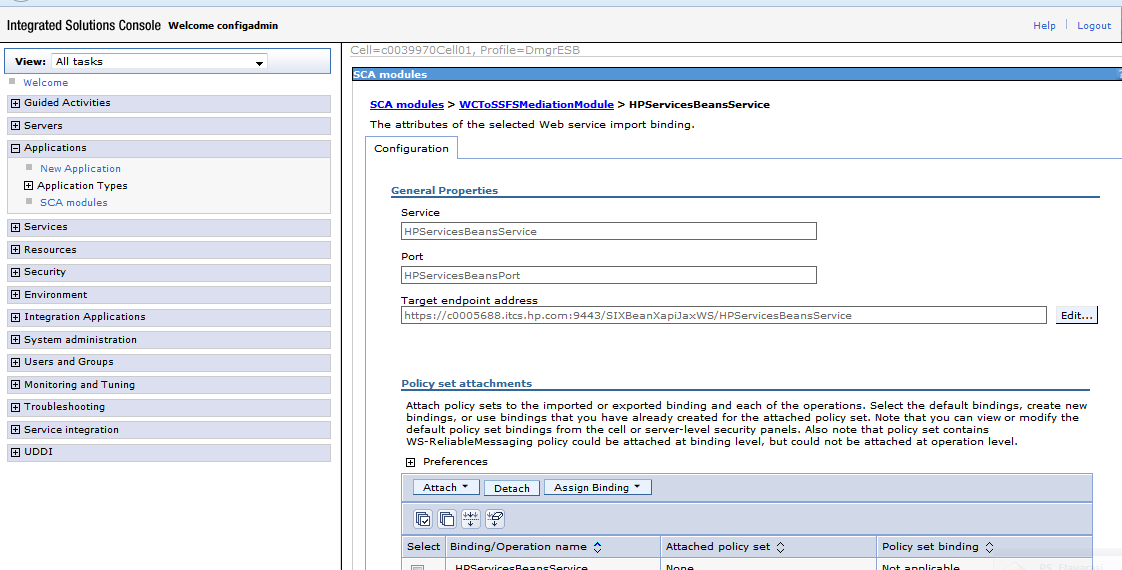
**12. TO CHANGE BEAN SERVICE URL IN WESB CONSOLE**

1. Login to wesb console

2. go to application ->SCA modue-> [WCToSSFSMediationModule](https://c0039970.itcs.hp.com:9043/ibm/console/sCAModuleCollection.do?EditAction=true&refId=WCToSSFSMediationModule%3AWCToSSFSMediationModuleApp&contextId=nocontext&resourceUri=na&perspective=tab.configuration) ->Imports ->OMSService Import ->Binding-> [JAX-Web service [HPServicesBeansService/HPServicesBeansPort]](https://c0039970.itcs.hp.com:9043/ibm/console/com.ibm.ws.console.sca.forwardCmd.do?csrfid=-1267630324&service=HPServicesBeansService&port=HPServicesBeansPort&module=WCToSSFSMediationModule&import=OMSServicesImport&application=WCToSSFSMediationModuleApp&forwardName=SCAModule.JaxWSImportBinding.detail.view&attachmentType=client)

3. Enter URL under Target endpoint address



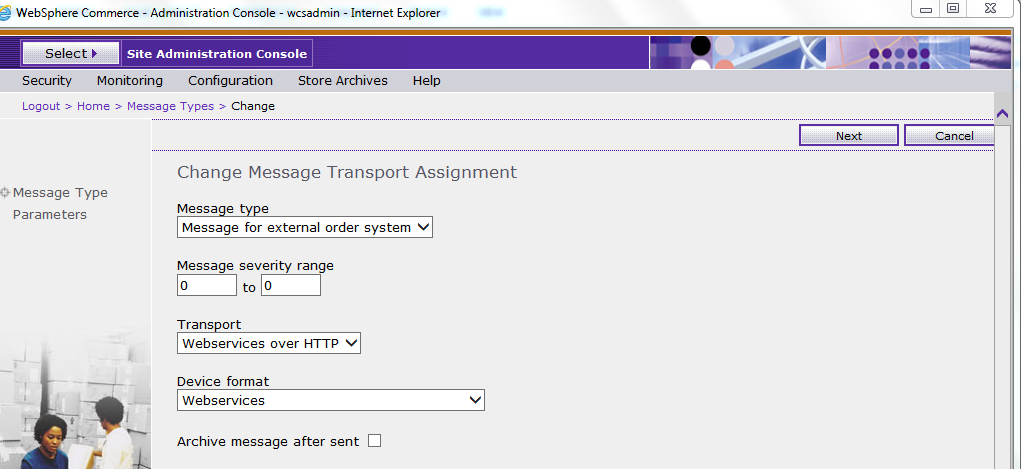


**Note: In the URL the host name should be Sterling primary server**

**Go to admin console for all changes which was mentioned below:**

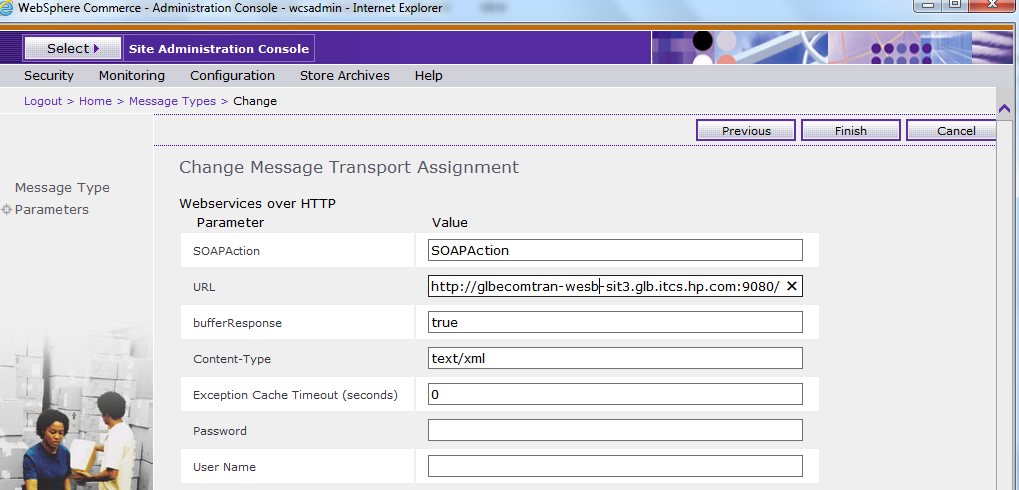
**13. CONFIGURE WESB URL IN WCS**

Site-> Configuration->Message Types -> Message for an external order system



Change URL as below with WESB host of that environment and click finish.

<http://glbecomtran-wesb-dev7.glb.itcs.hp.com:9080/WCToSSFSMediationModuleWeb/sca/WCOrderServicesExport>



**14. TO CHANGE CTO AND VM URL:**

Site-> Configuration ->Transports-> Sterling

Sterling Configurator URL - <https://c0049862.itcs.hp.com/sic/configurator/configure.action> (provide CTO DMGR App server)

Sterling Selling and Fulfillment Suite User Name – admin

Sterling Selling and Fulfillment Suite Password – password

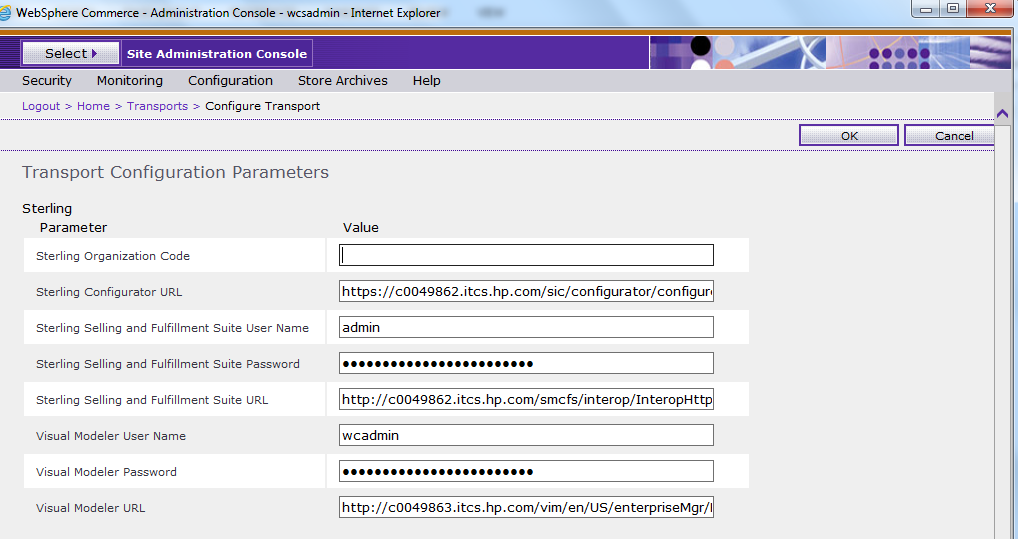
Sterling Selling and Fulfillment Suite URL - <http://c0049862.itcs.hp.com/smcfs/interop/InteropHttpServlet> (provide CTO DMGR App server)

Visual Modeler User Name – wcadmin

Visual Modeler User Password – wcadmin123

Visual Modeler User URL - <http://c0049863.itcs.hp.com/vim/en/US/enterpriseMgr/HP_Global_CAS>

(Provide VM DMGR App server) and Click OK to save changes



2.2. Store-> US\_Store->Configuration ->Transports-> Sterling

Sterling Configurator URL - <https://c0049862.itcs.hp.com/sic/configurator/configure.action> (provide CTO DMGR App server)

Sterling Selling and Fulfillment Suite User Name – admin

Sterling Selling and Fulfillment Suite Password – password

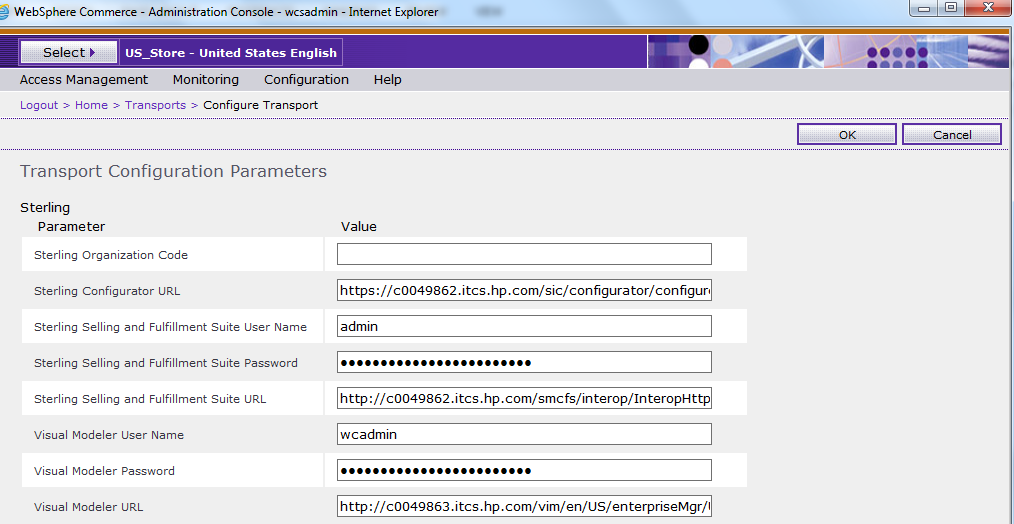
Sterling Selling and Fulfillment Suite URL - <http://c0049862.itcs.hp.com/smcfs/interop/InteropHttpServlet> (provide CTO DMGR App server)

Visual Modeler User Name – wcadmin

Visual Modeler User Password – wcadmin123

Visual Modeler User URL - <http://c0049863.itcs.hp.com/vim/en/US/enterpriseMgr/HP_Global_CAS>

(Provide VM DMGR App server) and Click OK to save changes.

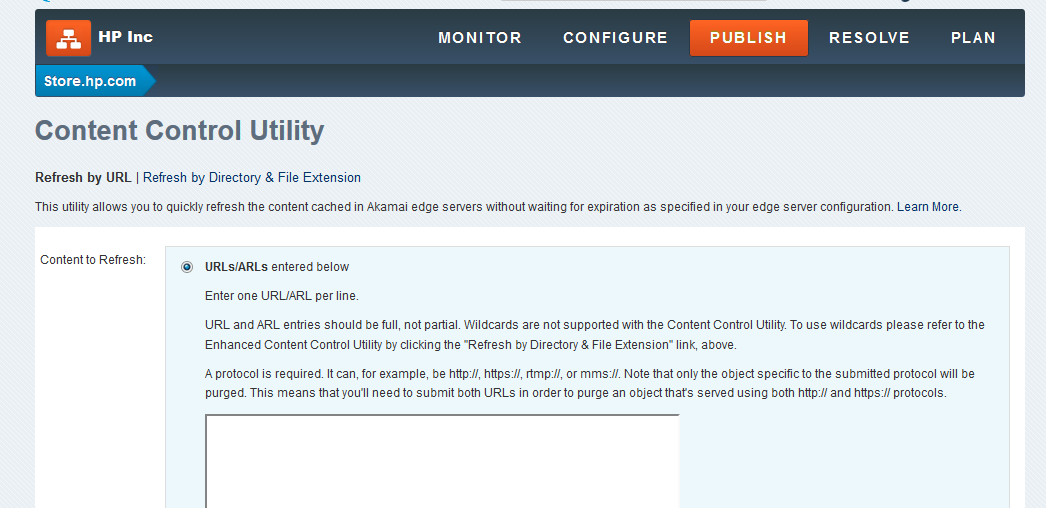


**15. AKAMAI CACHE CLEAR**

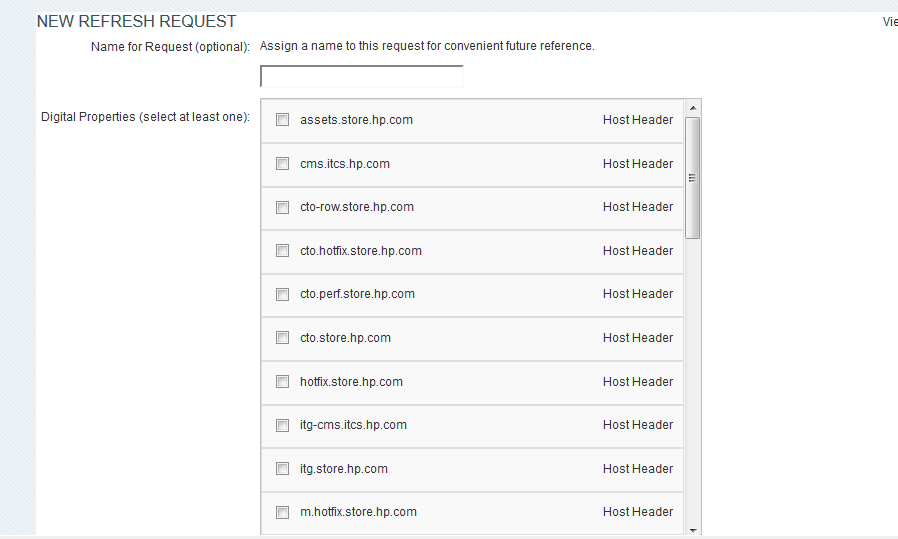
**Case 1: Full cache clear**

1. Login in to Akamai <https://control.akamai.com>

2. Click on Publish-🡪Content control utility🡪Ion premier🡪Continue



3. Click on [Refresh by Directory & File Extension](https://control.akamai.com/portal/eccu/eccu.jsp?sidebar=IONSPM_ccu_null)



4. Select env related check box

(e.g. for hotfix select 1. cto.hotfix.store.hp.com , hotfix.store.hp.com, m.hotfix.store.hp.com

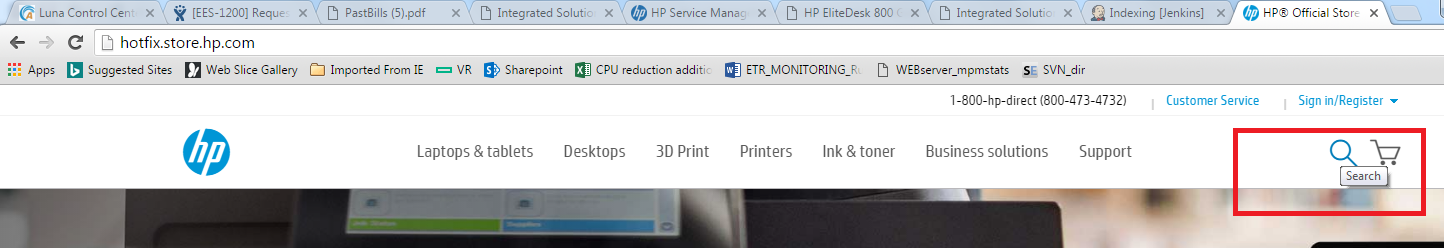
|  |  |
| --- | --- |
| C:\Users\1000361\Downloads\Capture.PNG |  |

1. Enter Directory and file extension as /
2. Click on submit

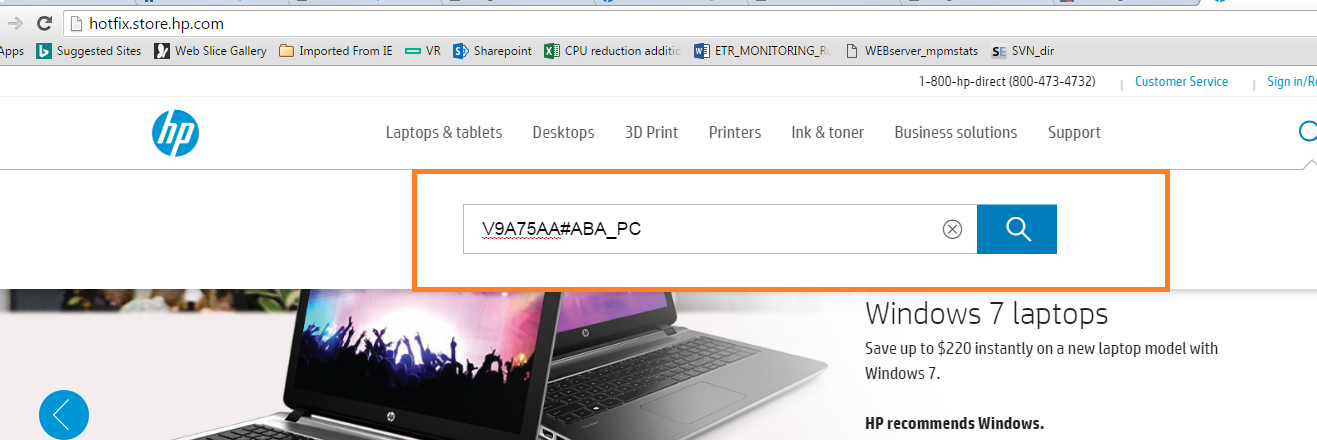
**Case 2: clear cache for specific page/Product:**

Please check with DEV/QA for page url or product name.

Let’s take if they gave product V9A75AA#ABA\_PC  and search it in store

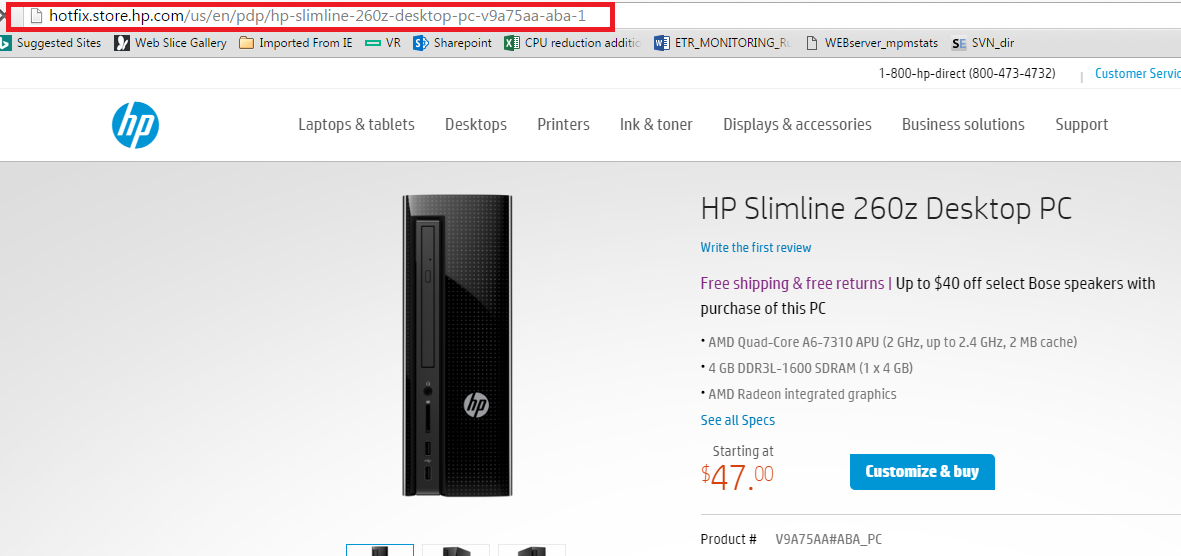


Enter product:

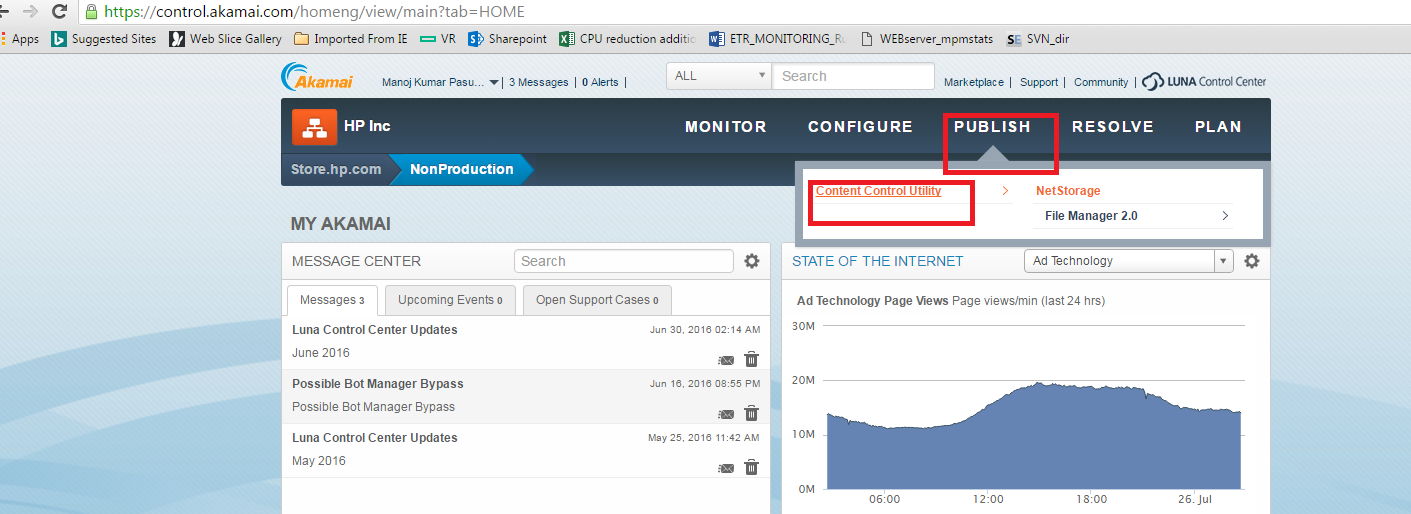


Once you searched it will display the product

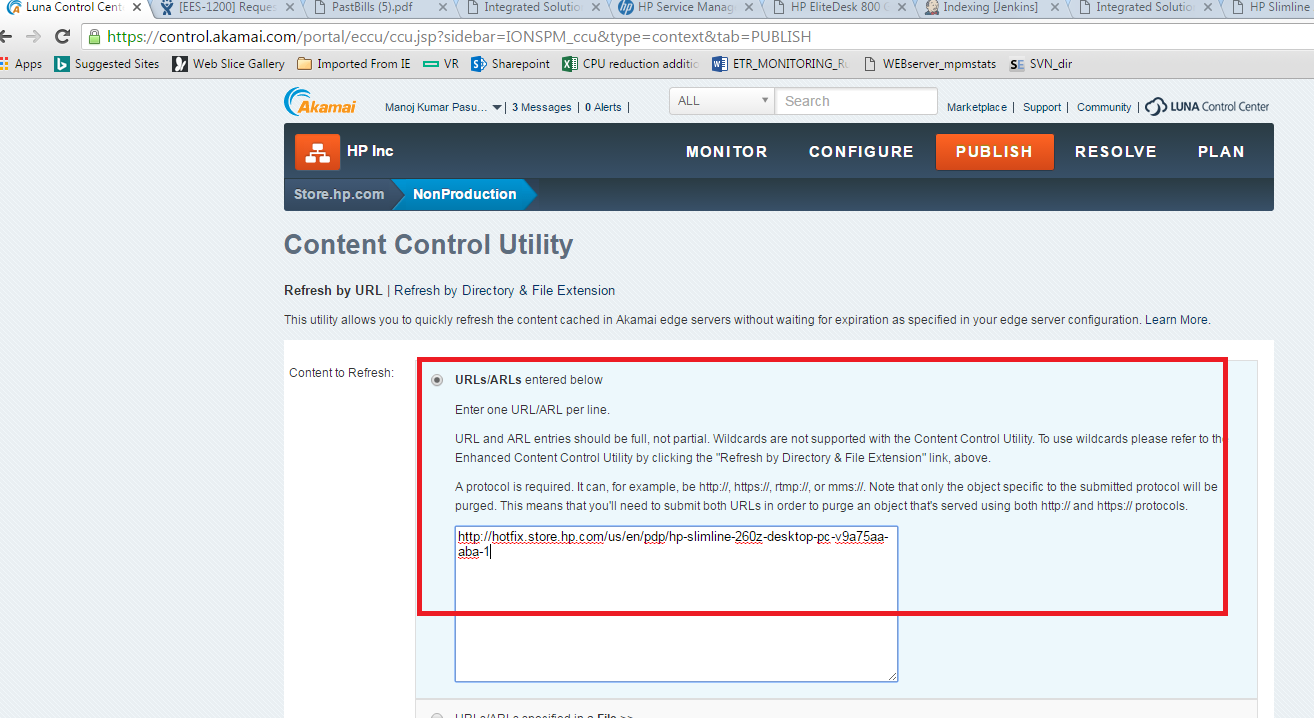
Copy the url like below



And login to Akamai then Select Publish and content control utility



Paste the URL like below



And start refreshing Akamai, you will get mail after cleared

**16. TO CHANGE VERSION OF UPDATE/WCUPDATE INSTALLER**

1. Download the required version update installer package

2. Place it in a temporary directory

3. Extract the pack file

4. Go to sudirectory updateinstaller

5. Open responsefile.updiinstaller.txt file ,make changes with these lines

a. set -OPT silentInstallLicenseAcceptance="true" from false to true(if its false)

b. uncomment -OPT allowNonRootSilentInstall="true"

c. uncomment -OPT disableEarlyPrereqChecking="true"

d. specify the path of the installer to be updated in -OPT install Location="/opt/apps/IBM/WebSphere/WCUpdateInstaller" (present at the end of the file)

6. After all these changes execute ./install -silent -options "responsefile.updiinstaller.txt

**17. WAS VERSION UPGRADATION**

**Prerequisite:** Before upgrading version of application servers ,updateinstaller version should be upgraded ,

* Take backup of IBM folder
* Should stop all the java process (dmgr,node and server)

Server Upgrade

1. Go to IBM site download required fix packs (need to update with two fix packs e.g 7.0.0-WS-WAS-LinuxX64-FP0000037.pak

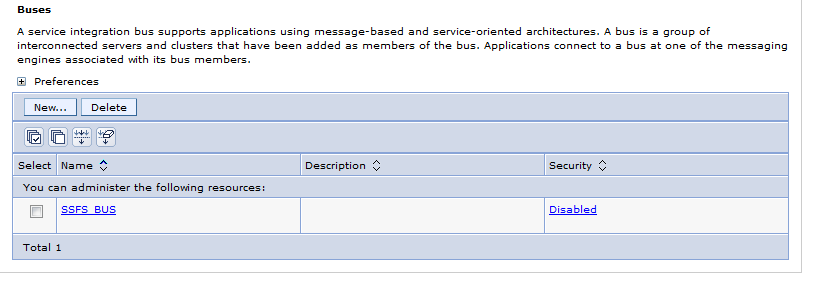
7.0.0-WS-WASSDK-LinuxX64-FP0000037.pak)

1. Go to path opt/apps/IBM/Websphere/Updateinstaller/responsefiles/insatl.txt
2. Open install.txt file ,uncomment and add entries to these two lines these two lines
   * 1. -W maintenance.package (first install was fix pack with path e.g if u placed the pack in /opt/apps/apar give W maintenance.package as /opt/app/apar/ 7.0.0-WS-WAS-LinuxX64-FP0000037.pak)
     2. -W product.location (give the appserver path e.g for cto servers /opt/apps/ibm/websphere/configappserver) and svae the file
3. Go to /opt/apps/IBM/Websphere/Updateinstaller/
4. Execute ((this should be executed as root ) sudo ./update.sh -silent -options apps/IBM/Websphere/Updateinstaller/responsefiles/insatl.txt
5. Once was pack installation completed (it will take some time)have to install wassdk pack
6. Next change maintenance package to WASSDK pak file as in step 3
7. Repeat step 4
8. To see the version go to path /opt/apps/IBM/WebSphere/ConfigAppServer/java/jre/bin
9. ./ java –version
10. Once all the steps successfully completed restart the nodes and servers

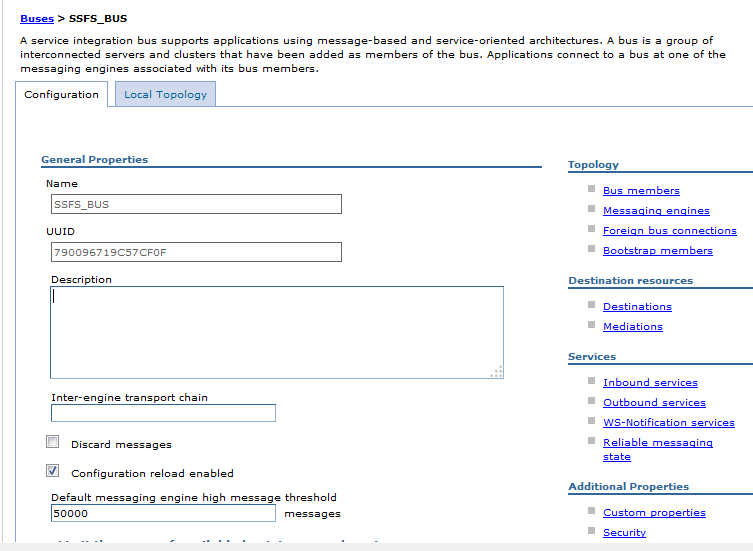
**18. QUEUE CREATION IN OMS SERVERS**

**Before creating queue should create bus**

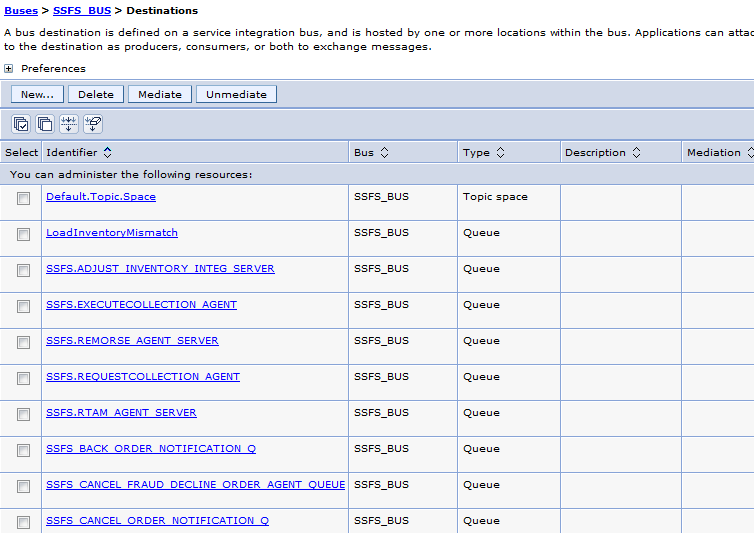
1. Login to IBM console click on Service Integration🡪Bus



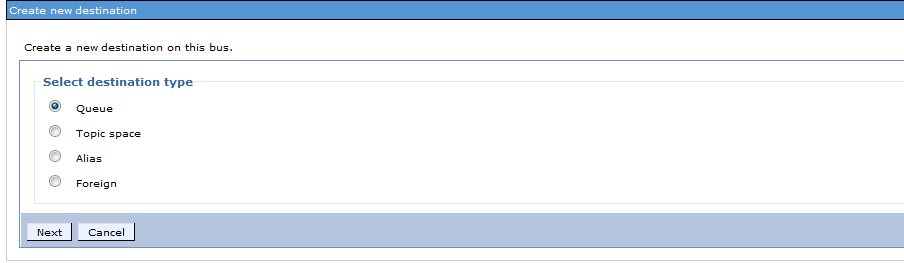
2. Click on SSFS bus



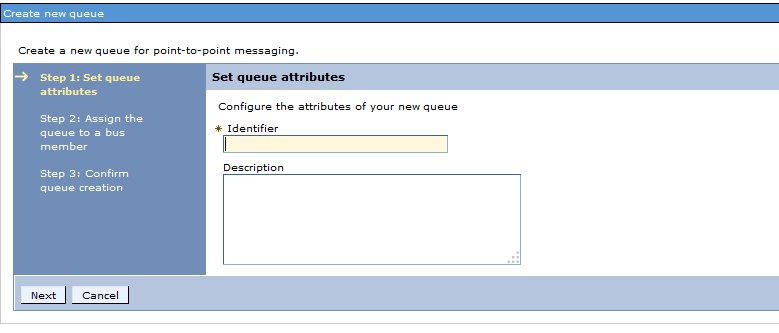
3. Click on Destination



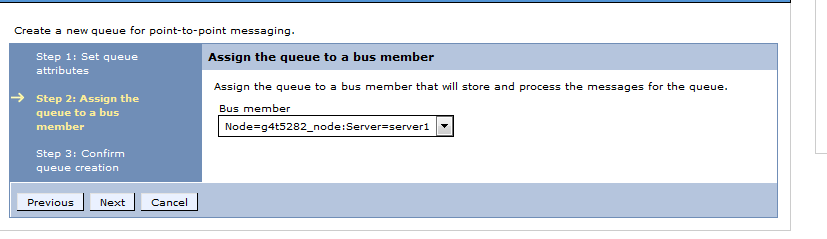
4. Click on New

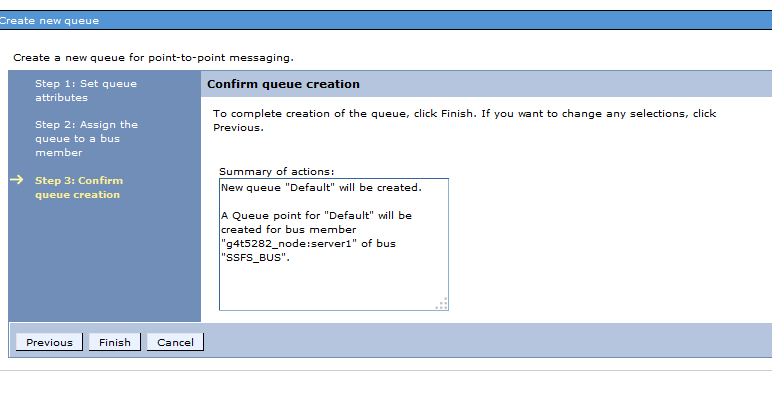


1. Click on Next



1. Enter Queue name as Identifier ,click on next

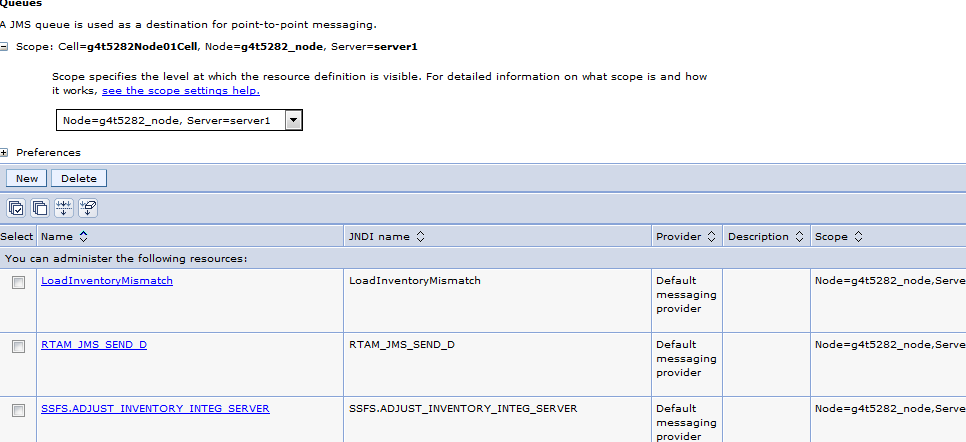


Click on 

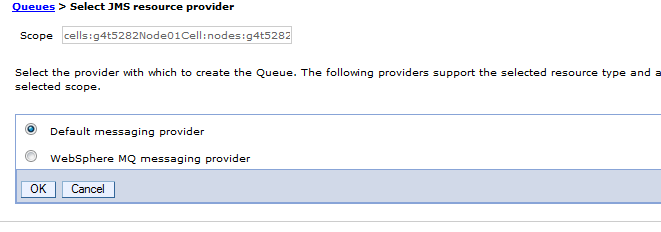
Click finish

To create Queue

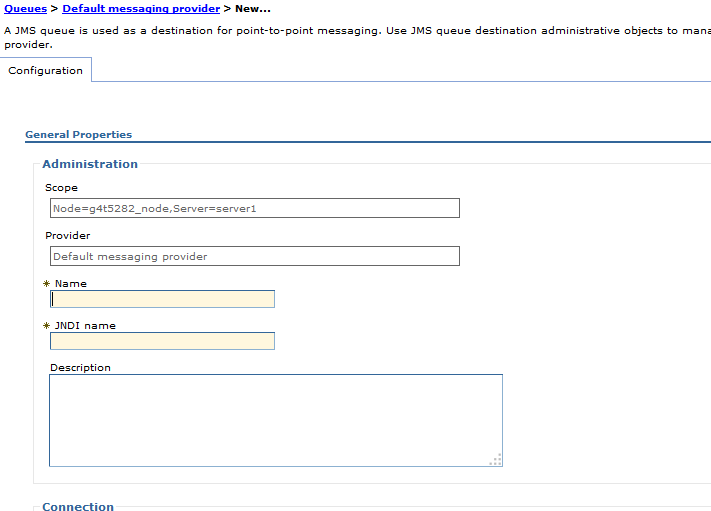
1. go to Resources🡪JMS🡪Queues->



1. Click on New

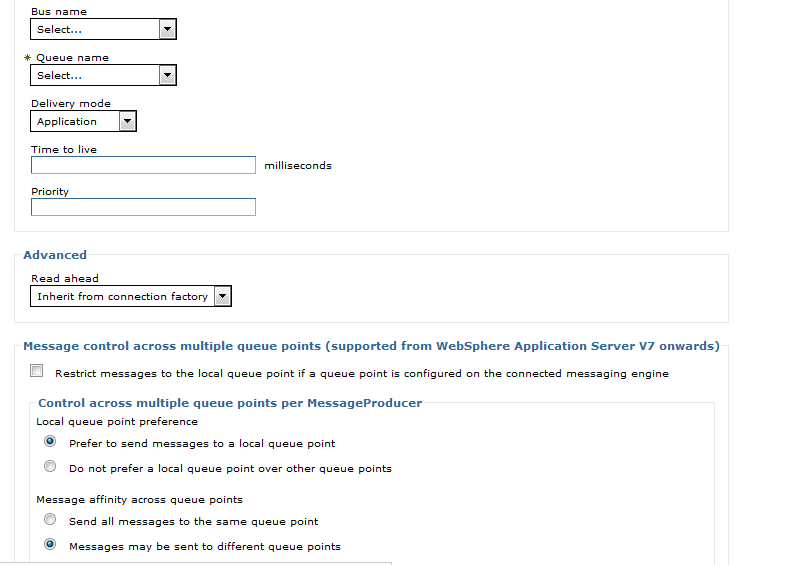


1. Select ok



4. Enter Q name in name field

5. Enter Q name in JNDI name field



1. Select bus name as ssfs bus from dropdown
2. Select q name from drop down
3. Click on apply and save
4. Restart the servers

**19. STEPS INSTALL FIX PACK IN CTO BUILD SERVER**

1. Login to build sever
2. Download the fix pack under temporary directory (e.g /opt/apps/xyz)
3. Go to path /opt/apps/xyz Unzip the pak file . (e,g unzip Foundation921-FP27\_9.2.1.27.zip)
4. After unzip able to see files folder and jar file
5. Go to the path /opt/apps/IBM/ConfiguratorFoundation/bin
6. Execute the command ./InstallService.sh /opt/apps/xyz/files/jar filename(smcfs\_921\_FP27.jar)/
7. To tail logs go to path /opt/apps/IBM/ConfiguratorFoundation/logs tail -f InstallService.log
8. After successful completion of installation go to path opt/apps/IBM/ConfiguratorFoundation/bin
9. cat version.txt

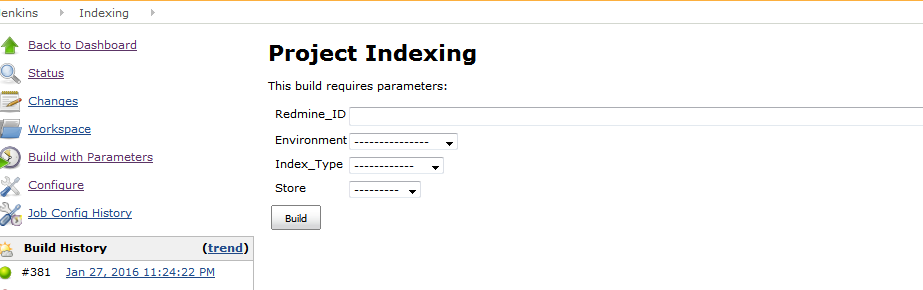
**20. INDEXING THROUGH CONSOLE AND BACKEND**

1. Select Environment from dropdown

2. Select Index\_Type as Full Index or Delta Index from drop down.

3. Selct store as en\_us

4. Click on Build



**INDEXING THROUGH BACKEND**

1.Login to primary app server

2.go to /opt/apps/IBM/WebSphere/CommerceServer70/bin

**Delta build index:**

nohup ./ di-preprocess.sh /opt/apps/IBM/WebSphere/CommerceServer70/instances/WCInstance/search/pre-processConfig/MC\_10001/Oracle -dbuser <username> -dbuserpwd <password> -instance <insatncename> -localename en\_US -fullbuild false &

nohup ./di-buildindex.sh -masterCatalogId 10001 -dbuser <username> -dbuserpwd  <password> -instance <insytance name> -localename en\_US -indextype CatalogGroup  -indexSubType Structured -fullbuild false &

**Fullindex (catalog group) :**

./di-preprocess.sh /opt/apps/IBM/WebSphere/CommerceServer70/instances/<instance>/search/pre-processConfig/MC\_10001/Oracle -dbuser <username> -dbuserpwd <password> -instance <instancename> -localename en\_US  -indextype CatalogGroup -indexSubType Structured -fullbuild true

nohup ./di-buildindex.sh -masterCatalogId 10001 -dbuser <username> -dbuserpwd  <password> -instance <instance name> -localename en\_US -indextype CatalogGroup  -indexSubType Structured -fullbuild true &

Catalog Entry:

./di-preprocess.sh /opt/apps/IBM/WebSphere/CommerceServer70/instances//<instance>/search/pre-processConfig/MC\_10001/Oracle -dbuser <username>-dbuserpwd <password> -instance <instance name> -localename en\_US  -indextype CatalogEntry -indexSubType Structured -fullbuild true

 nohup ./di-buildindex.sh -masterCatalogId 10001 -dbuser <username -dbuserpwd <password> -instance <instance name> -localename en\_US -indextype CatalogEntry  -indexSubType Structured -fullbuild true &

**21. STAGE PROP AND INDEX PROP**

**Stage propagation:**

Nohup ./stagingprop.sh -dbtype Oracle -scope \_all\_ -sourcedb jdbc:oracle:thin:@gcu42145.houston.hp.com:1526/<sourcedb\_servicename> -sourcedb\_user <username> -sourcedb\_passwd <passwd> -destdb jdbc:oracle:thin:@gcu42149.houston.hp.com:1526/< servicename> -destdb\_user <username> -destdb\_passwd <passwd> -batchsize 50000 -transaction 100000 -actionOnError 2 -tolerateConsolidationErrors true &

**Index propagation:**

nohup ./indexprop.sh -searchServerName g4t5286.houston.hp.com -searchServerPort 9081 -solrHome /opt/apps/IBM/WebSphere/CommerceServer70/instances/ETRSTAGE/search/solr/home &

**22.** **NMON TOOL FOR PERFORMANCE TEST**

1. Login to c0006107.itcs.hp.com build server

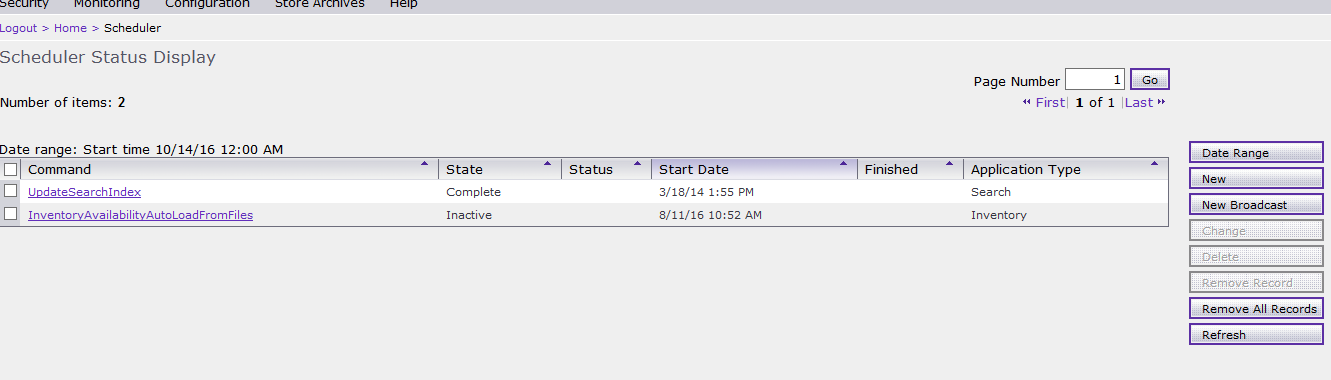
2. Go to path /opt/mount/scripts

3. Start nmon by executing ./ nmon.sh <server name>

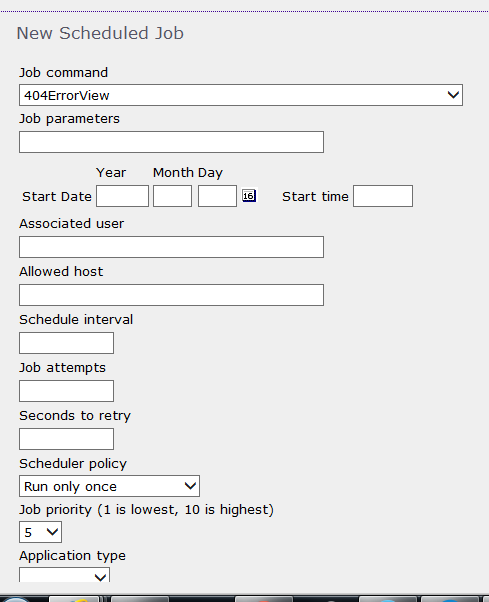
**23. SCHEDULERS THROUGH ADMIN CONSOLE**

1. Login to adminconsole

2. Go to configuration🡪scheduler



1. Click on new

****

4. Enter the all parameters as per JIRA ticket enter current date and time give ok

5. Go back to scheduler click on refresh button to see the state of the job.

**24 .wcsadmin (ADMIN CONSOLE) PASSWORD RESETTING**

1. Go to path /opt/apps/IBM/WebSphere/CommerceServer70/instances/ETRLIVE/properties/createInstance.properts and get merchant key

2. From db take salt value by executing select \* from userreg where logonid='wcsadmin';

3. Go to path cd /opt/apps/IBM/WebSphere/CommerceServer70/bin

4. Execute ./wcs\_password.sh wcsadmin123(password) jj1ajk8xm9ev(salt) 0123456789abcdef(merchant key)

5. It will generate hexadecimal and ascii value , take hexadecimal value

6. In db execute update userreg set logonpassword='hexavalue along with extended values' where logonid='wcsadmin';

Sample:

update userreg set logonpassword='**74434f61354f51593862415655304d5268424e54723865685653356151374a2b353163506c4261363730633d**202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020202020' where logonid = 'wcsadmin';

7. Commit and try to login with new password

**25. APAR INSTALLATION & UNISTALLATION**

Prerequisite:

* take IBM backup

**Product level installation:**

1. Connect to primary server and Place fix pack in temporary folder

Go to path cd /opt/apps/IBM/Websphere/WCUpdateInstaller/responsefiles

2. Vi install.txt

3. Uncomment below lines

-OPT silentInstallLicenseAcceptance="true"(it should be true)

-W maintenance.package=/tmp/fixpack name

-W product.location=" /opt/apps/IBM/WebSphere/Commerseserver70"

4. Execute sudo./install.txt -silent -options /opt/apps/IBM/Websphere/WCUpdateInstaller/responsefiles

5. Post success message NIFStack.xml for installed APAR

**Instance Level:**

1. Connect to primary server and Place fix pack in temporary folder

Go to path cd /opt/apps/IBM/Websphere/WCUpdateInstaller/responsefiles

2. Vi install.txt

3. Uncomment below lines

-OPT silentInstallLicenseAcceptance="true"(it should be true)

-W maintenance.package=/tmp/fixpack name

-W product.location=" /opt/apps/IBM/WebSphere/Commerseserver70"

-W update.instancename="instance\_name” (e.g. WCInstance/ETRLIVE/ETRSTAGE)

4. Execute sudo./install.txt -silent -options /opt/apps/IBM/Websphere/WCUpdateInstaller/responsefiles

5. Post success message NIFStack.xml for installed APAR at Instance

**APAR Uninstallation:**

1. un comment the -W update.instancename

2. execute as sudo ./install.txt -silent -options /opt/apps/IBM/Websphere/WCUpdateInstaller/responsefiles

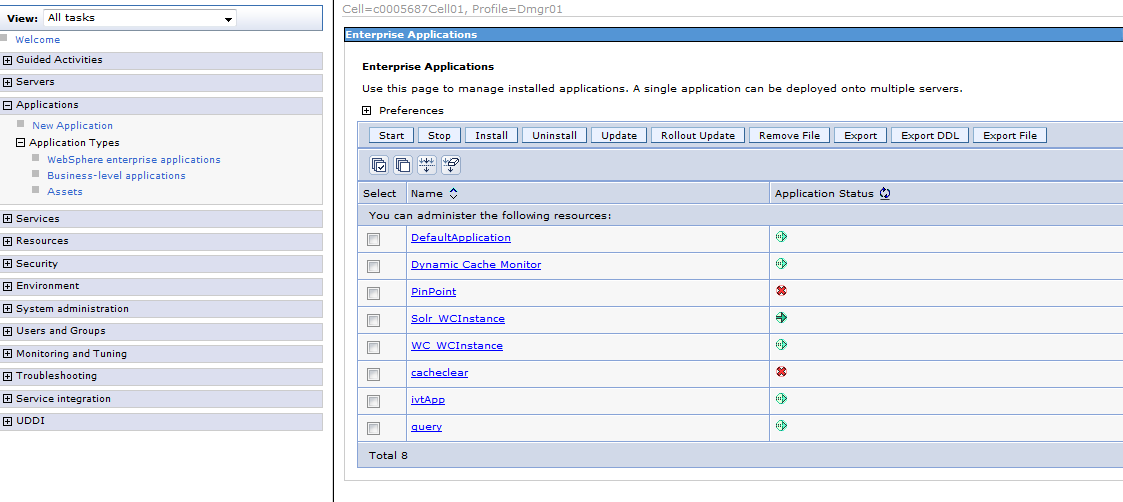
3. tail logs /opt/apps/IBM/WebSphere/CommerceServer70/logs/update/actions/install

first tail exportear next delployear

14. Restart the servers

**26. MANUALLY INSTALLING PINPOINT OR CACHE CLEAR APPLICATION**

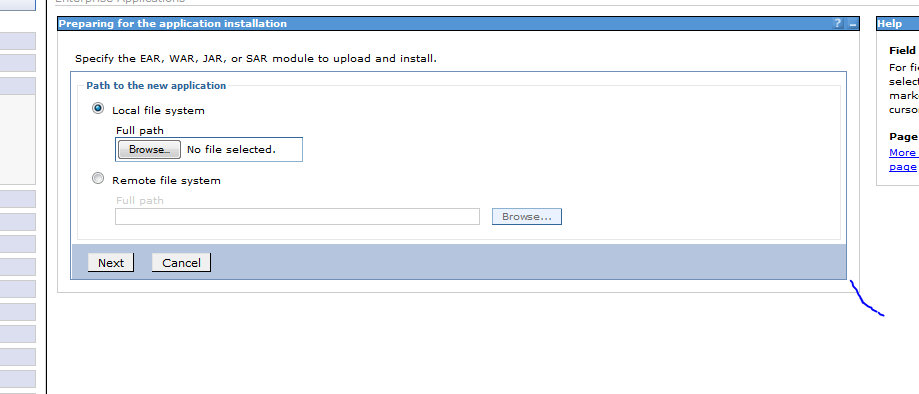
1. Have the ear/war file in local system or placed in respective servers temp path

2. login to ibm console 

3. Click on application🡪 application types🡪WebSphere enterprise application

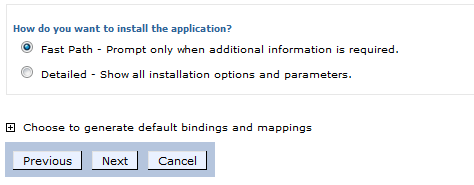
5. uninstall the application if its already present

6.click on install

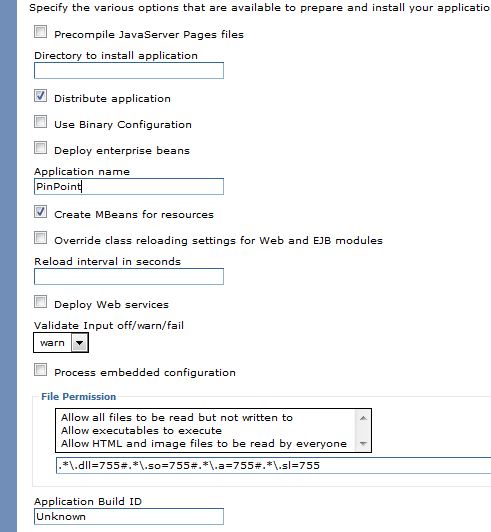


7. If ear file placed in local, browse and select the file

8. If it’s in server select remote file system, enter path and file name click on next



9. Click on Next



10. Enter application name as Pinpoint click on next

11. Review and synchronize nodes and save.

**27. APPLY CDT MANUALLY IN OMS SERVERS**

1. Go to build server in tmp folder do svn checkout as

2. It will create CDT folder goto CDT folder

3. Copy the required cDT package from build server to destination server to the path /opt/apps/CDT/svn\_all\_zips/CDT

4. Login to destination server

5. Go to the path /opt/apps/CDT/svn\_all\_zips/CDT

6. Unzip the zip file for ex , ‘unzip HP-ETR2.2-CDT-07-APR-2014.zip’ . This will create the folder with name ‘HP-ETR2.2-CDT-07-APR-2014’

7. Go to HP-ETR2.2-CDT-07-APR-2014 folder copy all xml files (cp \*) to /opt/apps/CDT/input

8. go to the path ‘/opt/apps/CDT/scripts

9. Run the cdtcompare.sh and cdtpush.sh

  10. Once cdtpush is done, the reports will be archived into ‘/opt/apps/CDT/history’ for future reference

     Once cdtcompare is done, you can look at ‘/opt/apps/CDT/reports’ to view the list of changes by the CDT (which will be pushed by cdtpush)

11.       The logs will be at ‘/opt/apps/CDT/logs’

**28. SEARCH SETUP:**

1. Select \* from tab where tname like 'TI\_%';

Delete all TI\_\* tables.Make sure you are not deleting TICKLER table

1. In WAS DMGR server

Cd /opt/apps/IBM/WebSphere/CommerceServer70/components/foundation/subcomponents/search/bin

nohup ./setupSearchIndex.sh -instance <Instance name> -action configWCforSolr -masterCatalogId 10001 -dbuser <DB user name> -dbuserpwd "<DB password>" -searchServerName <search server name> -searchServerPort 9081 -dbURL jdbc:oracle:thin:@g9u0885.houston.hp.com:port/servicename -setupWebContent true &

O/P: Exit code 0 represents success.

(In above command change the jdbc url name according to environment)

3) Select \* from srchconf - To check languages added in the set up

4) In solr server

Copy search folder from below path (DMGR app server) to solr server under /opt/apps

cd /opt/apps/IBM/WebSphere/CommerceServer70/components/foundation/subcomponents/

5) Go to path /opt/apps/search/bin in solr server execute

./setupSearchIndex.sh -instance <Instance name> -setupMode remote -action configSolrCores -masterCatalogId 10001 -dbuser <DB schema name> -dbuserpwd "<DB password>" -solrhome /opt/apps/IBM/WebSphere/CommerceServer70/instances/<Instance Name>/search/solr/home/ -wcServerName <app server> -dbserver <DB server name> -dbport <DB port> -dbtype oracle -dbname <SID name> -wasHome /opt/apps/IBM/WebSphere/AppServer

O/P: Exit code 0 represents success.

**29. RUN INVENTORY UPDATE QUERY**

Step 1  
TRUNCATE TABLE INVAVL;  
Step 2.

Drop sequence temp\_inval  
Step 3.

create sequence temp\_inval start with 10000 increment by 1;  
  
INSERT INTO INVAVL   
Select temp\_inval.nextval, 99999, Sysdate,null,Sysdate,null,null,null, Catentry\_id, 10151,null,'C62', 'AVL',1 from catentry where catenttype\_id = 'ItemBean' and buyable=1;

**30. CLEAR ALERTS in OMS END (UAT2 LIVE)**

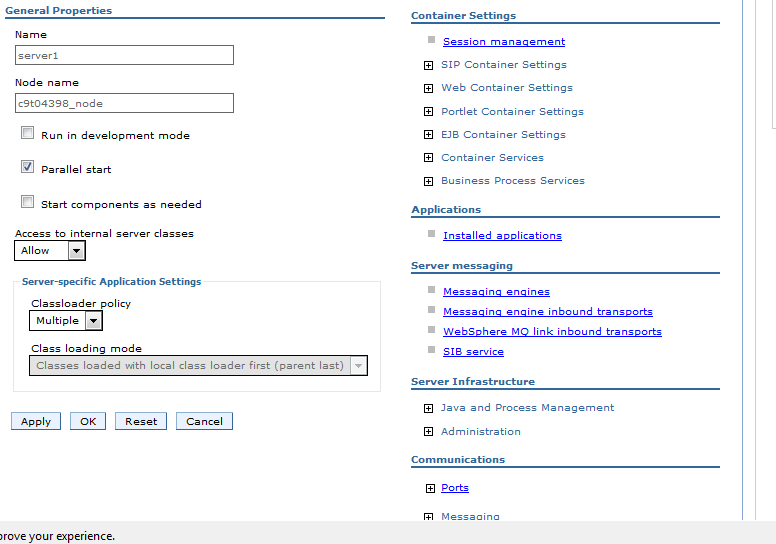
Update yfs\_inbox set ACTIVE\_FLAG = 'N',STATUS ='CLOSED', RESOLUTION\_DATE = TO\_DATE('2016-09-09', 'YYYY-MM-DD');

update ssfs\_admin.uti\_export set status=10 where export\_key < '20160909';

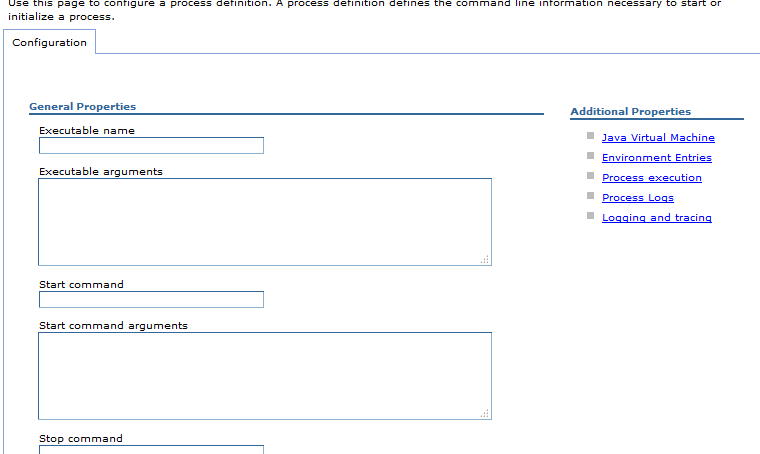
**31. INCREASE TO JVM MAX HEAP SETTING**

1. Login to IBM console

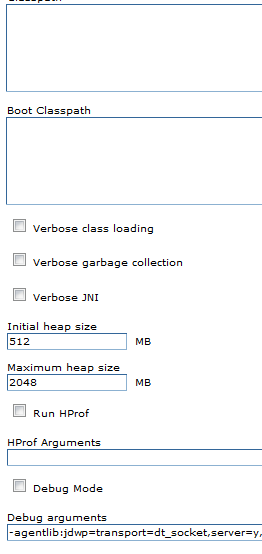
2. go to the path Servers🡪server types🡪WebSphere application server🡪server1



3.Java and Process Management🡪Process definition🡪Java Virtual machine



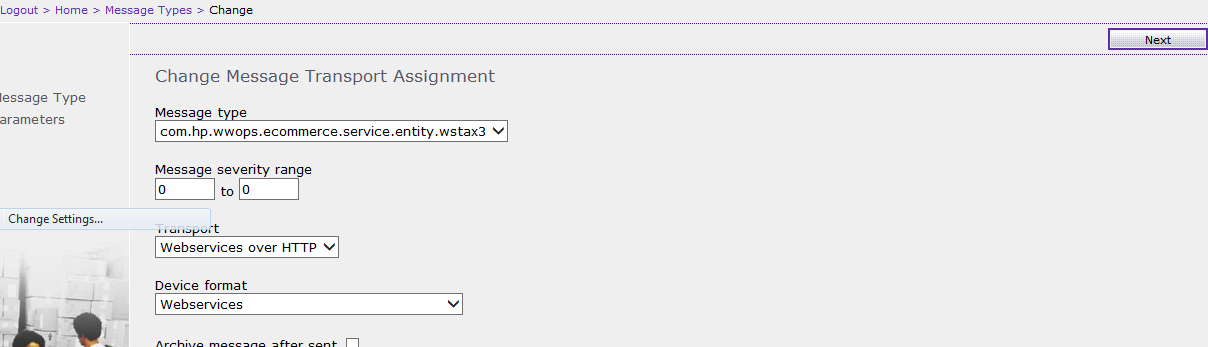
1. Change to required initial and maximum heap size



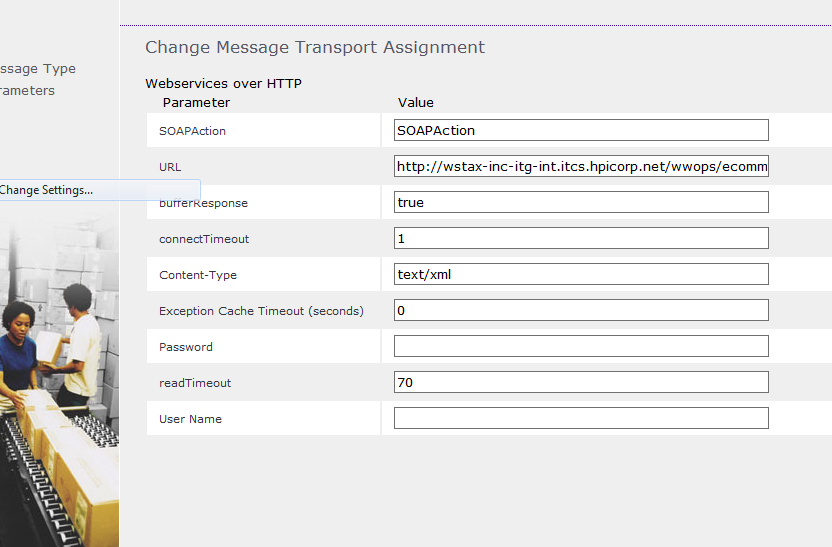
**32. TO CHANGE TAX WARE URL**

1. Login to adminconsole

2. Go to Site🡪configurations🡪Message Types🡪 [com.hp.wwops.ecommerce.service.entity.wstax3](javascript:changeMessageTransportBySelect('profile_id=10551&transport_id=-101&msgtype_id=10003&deviceformat_id=-10&lowpriority=0&highpriority=0&archive=0');)



3. Click on next



1. Enter URL in URL field and save

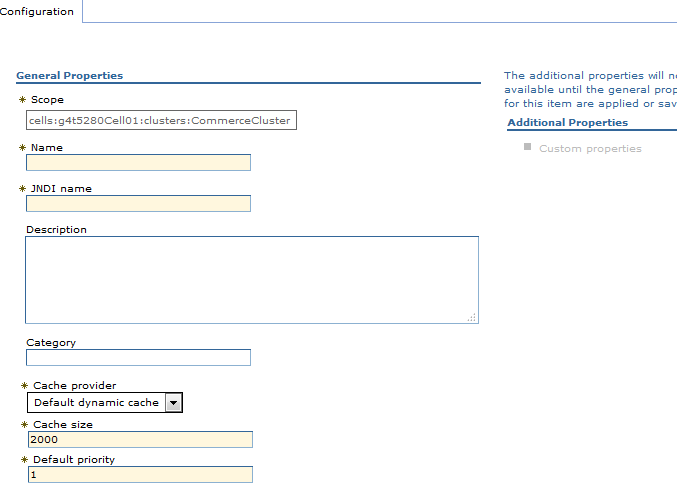
**33. TO CREATE OBJECT CACHE IN WAS**

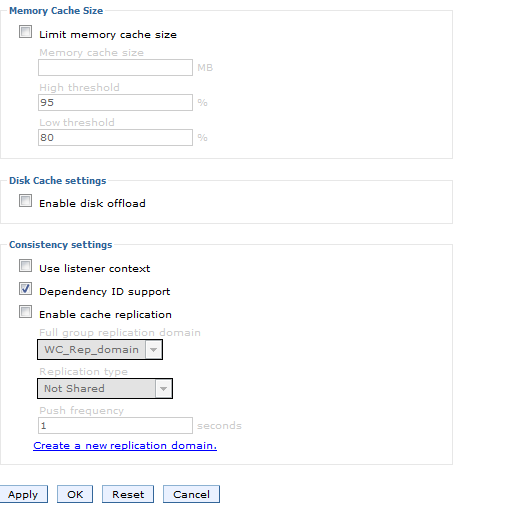
1. Login to IBM console

2. Go to path Resources🡪Cache Instances🡪Object cache instance



1. Click on new





3. Enter given cache and JNDI name in respective fields

4. Enter give cache size

5. Apply, synchronize with nodes and save.

6 Restart all app servers

**34. COLLECT THREAD COUNTS/MPM stats**

cat /opt/apps/IBM/HTTPServer/logs/error\_log.<YYYY-MM-DD-\*> | grep mpm | grep cls | awk 'split($5,a,"]"){print a[1]" "$2" "$3" "$4"\_"$11}'

**35. CREATE PUNCHOUT USER LOGIN IN OMS FROM STERLING AGENT SERVER**

### 1. Step 1: Ensure following directories are created in the server.

* /opt/apps/IBM/UserAgentDataLoad/Input
* /opt/apps/IBM/UserAgentDataLoad/Completed
* /opt/apps/IBM/UserAgentDataLoad/Working
* /opt/apps/IBM/UserAgentDataLoad/Error

### Step 2: Put the CSV file in the Input folder

* Ensure no File exists in the directory :
  + /opt/apps/IBM/UserAgentDataLoad/Working
  + /opt/apps/IBM/UserAgentDataLoad/Error
  + /opt/apps/IBM/UserAgentDataLoad/Completed
* Copy the csv file to directory: /opt/apps/IBM/UserAgentDataLoad/Input

### Step 3: Run the Service

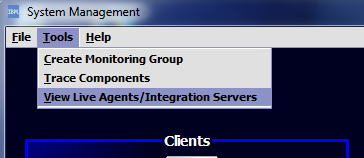
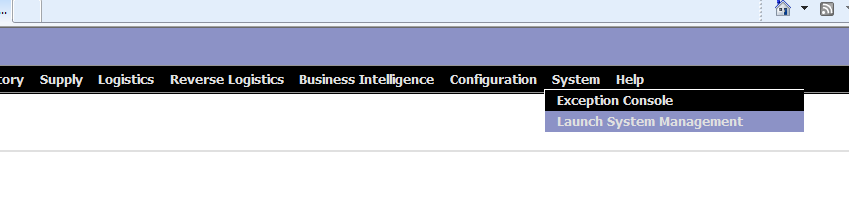
* Go to the location /opt/apps/IBM/Sterling93/bin.
* Start service from command line: ./startIntegrationServer.sh LoadAgentDataServer

Note:

If any error file exist in directory - /opt/apps/IBM/UserAgentDataLoad/Error.

Once it is completed file will be moved from input to completed folder with extension “.done”.

The service needs to be shut down from the application manager. Application Manager -> Launch System Management



**36. PATCH CLASS FILE INSIDE JAR (EG.XYZ.JAR)**

1. First take backup of existing jar file

2. copy jar file to a temp location

3. unjar the jar in temp location itself using command jar-xvf xyz.jar (it will create unjar file)

4. then go to the path where class file needs to be patched in temp location (e.g /tmp/a/b/c)

5. copy the class file to specific path inside jar (e.g /tmp/a/b/c/clasfile)

6. go to tmp directory using command cd /tmp

7. execute command rm xyz.jar (remove unjar file name)

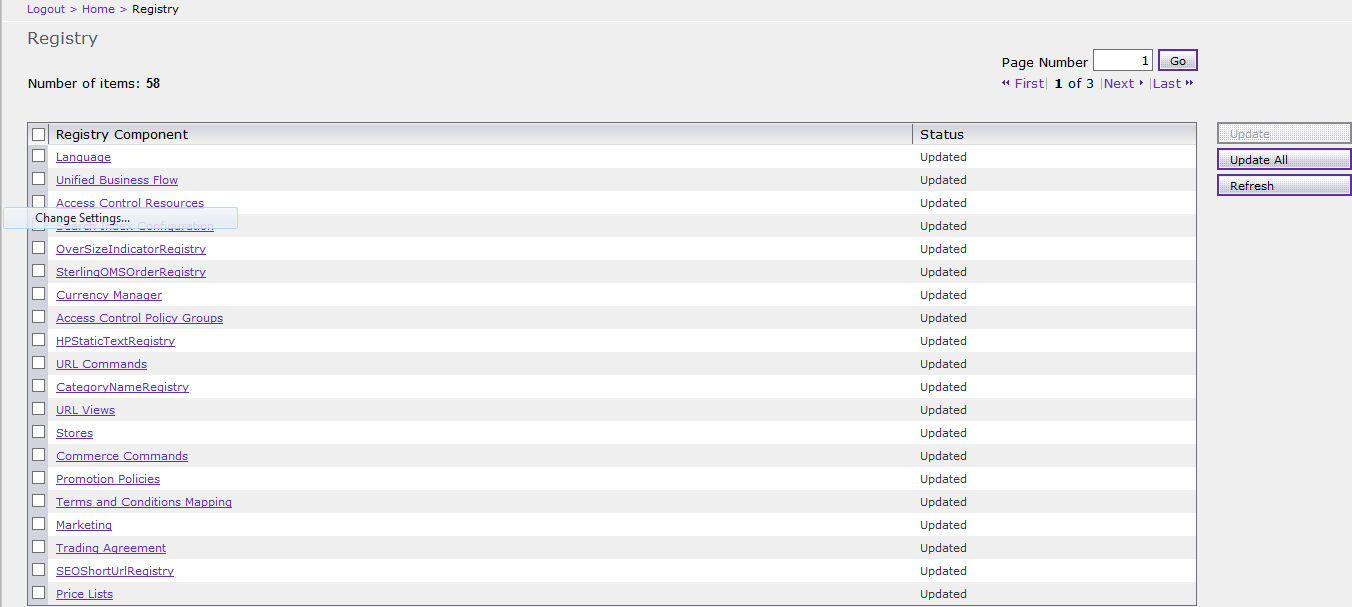
8.execute jar –xvf xyz.jar \* (to make again jar file)

9. Finally copy the jar file to required server in specific folder.

**37. REFRESH AND UPDATE THE COMMAND REGISTRY**

1. Login to admin console

2. Go to site🡪 configuration🡪 registry



1. If particular registry update is required ,select that and click on update ,If all registry update required click on registry component check box give update all
2. After sometime give refresh it will updated all registry.

**38. ALL URLS SHOULD RUN IN HTTPS in OMS (taking UAT2 OMS as eg)**

1)      Have only https with app server

2)      Route http requests to https when hitting with Web LB

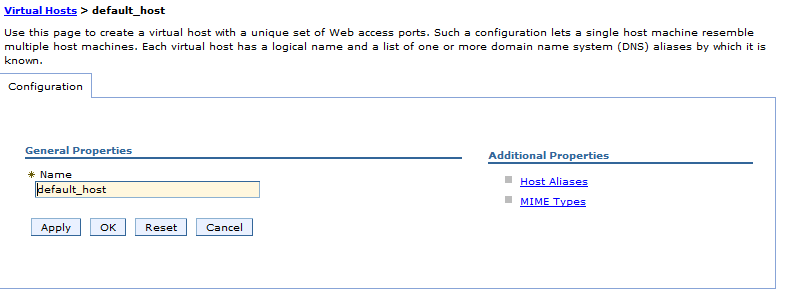
3)      Bean serive url of OMS need to be changed with WESB UAT2

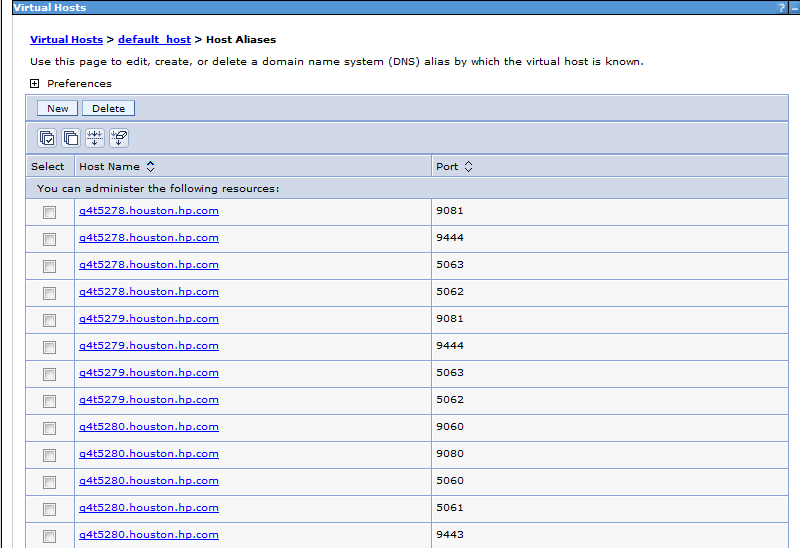
4)      To work new https bean service url need to add certificate in WESB UAT2

1. have only https with app server – Take backup of plugin-cfg.xml and remove 9080 port from virtual host list from all OMS app server followed by restart, generate & propagate plugin and web server restart

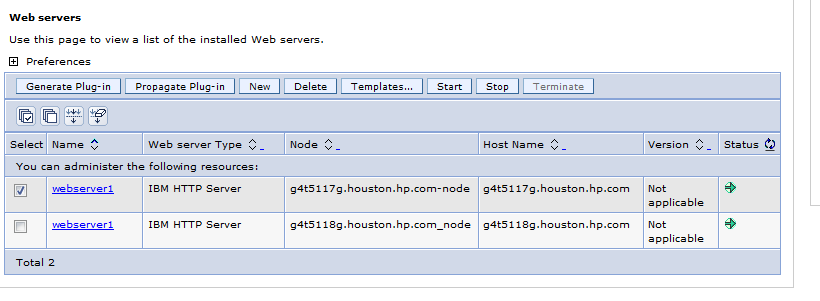
  To remove port

* Environment🡪Virtua host🡪default host🡪Host Aliases
* Delete 9080 port for required server





* To generate and propagate plugin Go to server types 🡪 webservers



* Select one webserver click on generate plugin once its generated successfully click on propagate plugin.

2)      Route http requests to https when hitting with Web LB – Take backup of httpd.conf file and add changes in httpd.conf file after virtual host 443 in all web servers

RewriteEngine on

RewriteCond %{SERVER\_PORT} =80

RewriteRule ^(.\*) https://%{SERVER\_NAME}%{REQUEST\_URI} [R,L]

3)      Bean service url of OMS need to be changed with WESB UAT2 –explained above

4)      To work new https bean service url need to add certificate in WESB UAT2

1. Log into the administrative console.

2. Expand Security and click SSL certificate and key management. Under Configuration settings, click Manage endpoint security configurations.

3. Select the appropriate outbound configuration to get to the (cell):g4t5291Cell01 management scope.

4. Under Related Items, click Key stores and certificates and click the CellDefaultTrustStore key store.

5. Under Additional Properties, click Signer certificates and Retrieve from Port.

6. In the Host field, enter g4t5282.houston.hp.com in the host name field, enter 9443 in the Port field, and g4t5282.houston.hp.com\_cert in the Alias field.

7. Click Retrieve Signer Information.

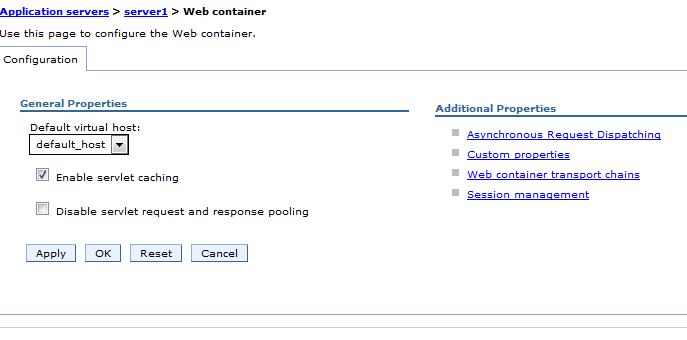
8. Verify that the certificate information is for a certificate that you can trust.

9. Click Apply and Save.

**39. ENABLE CACHE TO CACHE MONITOR APPLICATION**

1. Login to IBM console, go to Application servers->server1->Webcontainer setting->webcontainer

2. Enable servlet caching.



**40.** **SSL CERTIFICATE RENEWAL IN WEBSERVERS**

Renew the SSL cert

1.       Login to the IHS server as wcsuser. For load balanced certs, log in to one of the IHS servers. Path: /home/wcsuser/renewssl.sh

2.       At the first prompt asking for the installation path just hit ENTER

3.       At the next prompt,

a.       If this SSL cert is for a **single server**, enter the server FQDN (Ex. **c0008101.itcs.hp.com**).

b.       If this server is**load balanced**, enter the full FQDN of the load balancer. (Ex. **glbecomtran-wcsweb-dev7.glb.itcs.hp.com**)

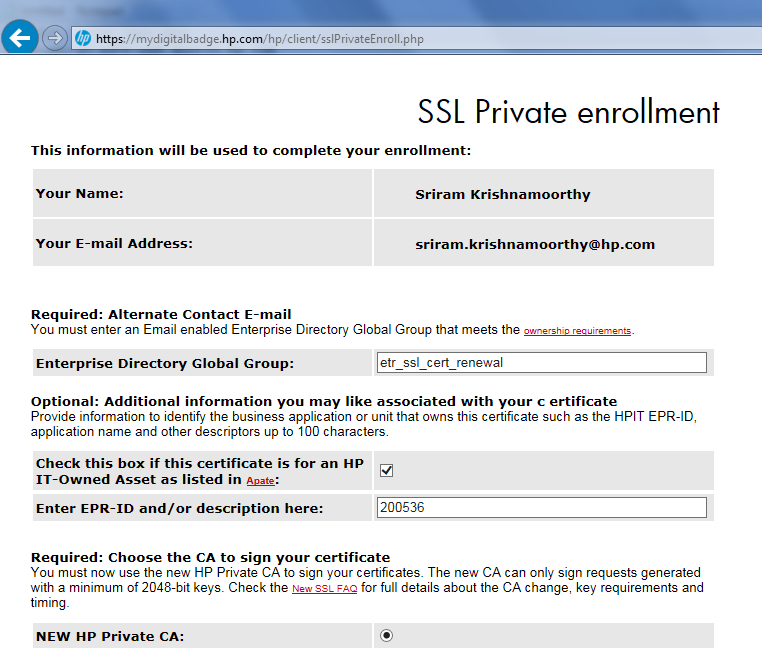
4.      At the next prompt, enter the short name of the FQDN above. (**c0008101** or **glbecomtran-wcsweb-dev7**)

Give password: password   When it prompts.

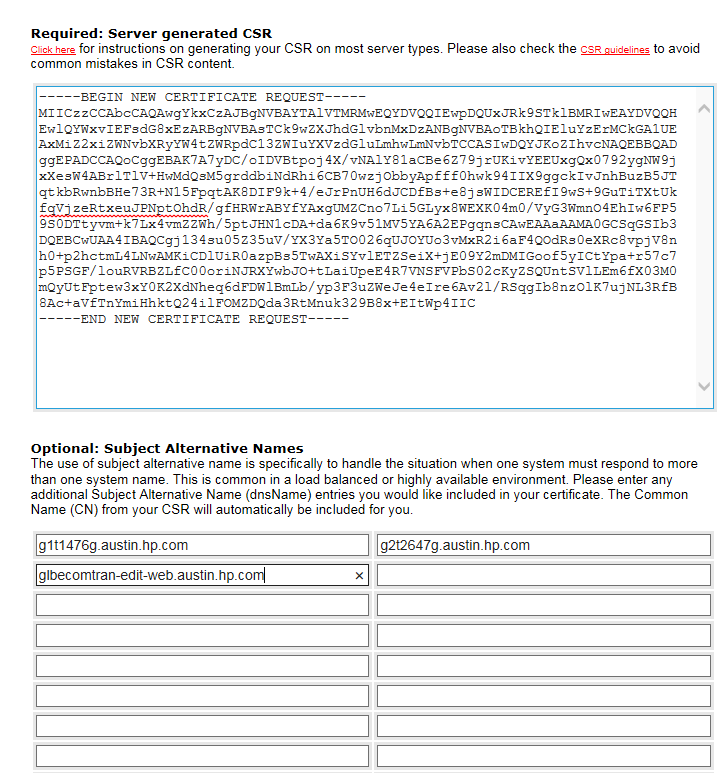
5.       Next, you should see the path to the httpd.conf file which should be /opt/apps/IBM/HTTPServer/conf. Hit ENTER.

6.      Follow the on screen instructions. Go to this link <https://mydigitalbadge.hp.com/hp/client/sslPrivateStart.php> and fill out all the information.

 Please find the screenshot below and fill the details as per mentioned in the screenshot



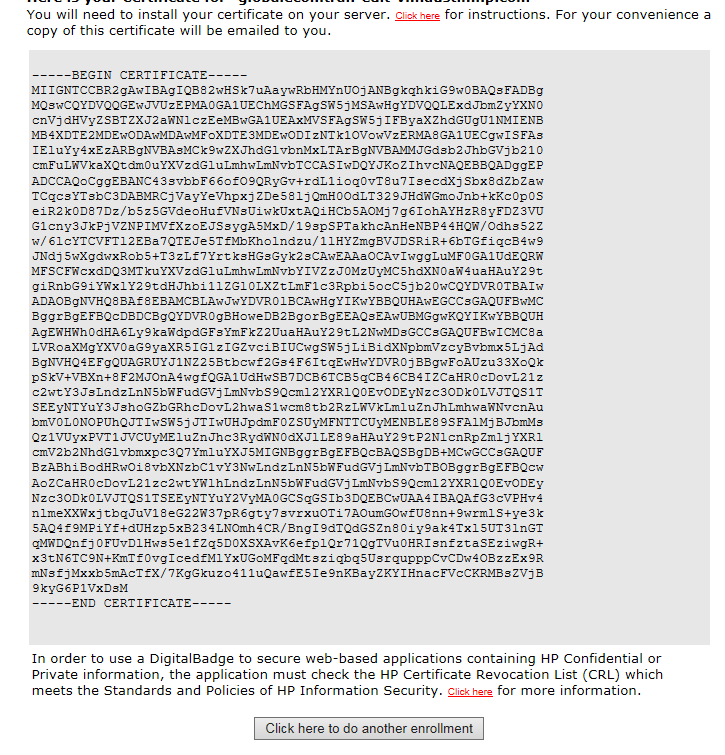
 Below Is example of certificate key generation you give the details according to what you have generated:



In Next page:



Copy the certificate from this below page and paste it in Unix box:

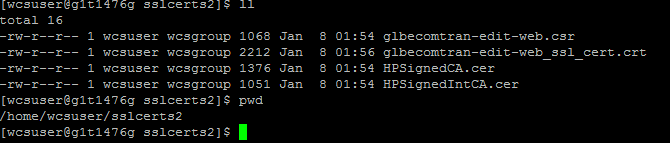


After pasting this in Unix server press “ctrl D” twice and it will create certificate key files in /opt/apps/IBM/HTTPServer/conf folder, copy the three key files to other web servers in path: /opt/apps/IBM/HTTPServer/conf.

Last step:  Restart web servers.

Please check the site for latest SSL certificate date and expiry.

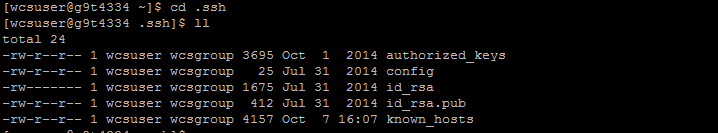
Note: Check in folder for latest file.



**41. KEY SHARING BETWEEN SERVERS TO GET SSH CONNECTION**

a. To get ssh connection between two servers, first we need to do key sharing between the two servers.

b. Connect the source server and give the command “cd .ssh”.



c. Open the file “id\_rsa.pub” and select the content present in it.

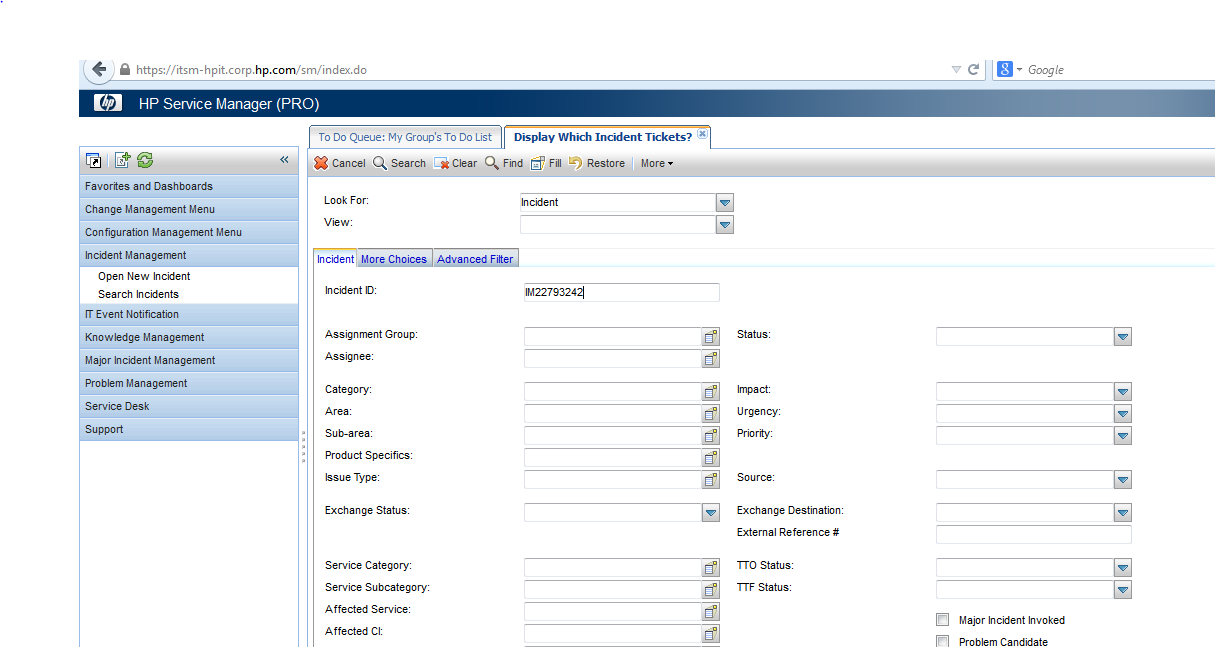
d. And copy the content in destination server(connect the destination server🡪 cd .ssh 🡪authorized\_keys) and save it.

**42. HPSM TICKET CREATION**

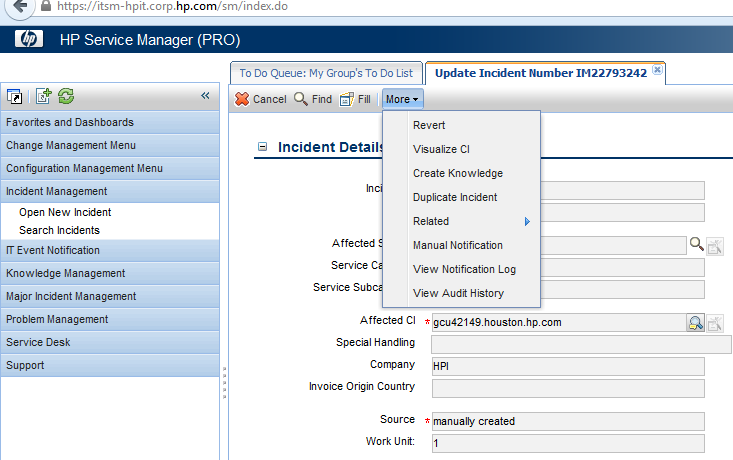
a. Hit the url **“**<http://itsm-hpit.corp.hp.com/sm/index.do>”

b. Then select hp inc🡪Email&Computer Password🡪Enter HP mail id & password

c. Select Incident Mangement on left side menu 🡪 search Incidents🡪Enter one sample IM ticket id(in incident ID text box) and press “Enter”.



d. Go to “More” on top menu and select Duplicate Incident from the drop down.



e. Change the “Affected CI” textbox value to the corresponding server hostname

d. Change the “Title” and “description” to the new content regarding our issue.

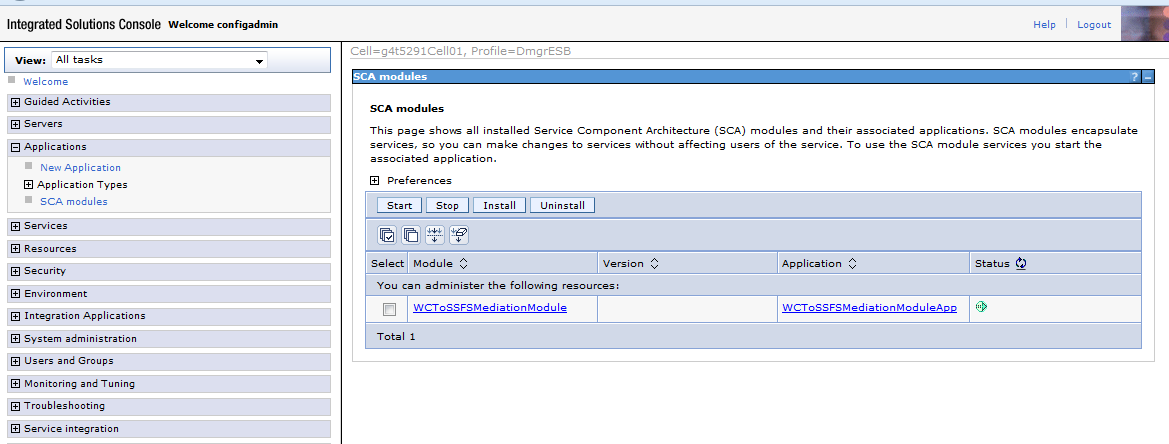
e. Change the Assignment group to the respective group.(for ex: DB related IM tickets🡪 W-HPI-INCLV4-IMIT-ORACLE, for Unix related🡪 W-INCFLS-HPIT-UX)

f. And give “save” from the top menu.

**43. OMS PASSWORD CHANGE IN WESB CONSOLE**

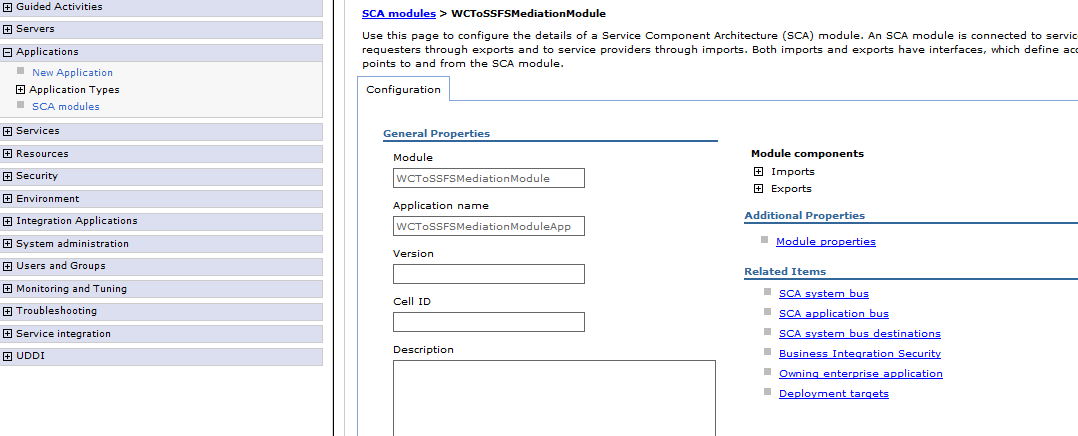
a. Login to IBM Integration Solutions Console.

b. Go to Applications 🡪 SCA Modules🡪 WCToSSFSMediationModule**.**

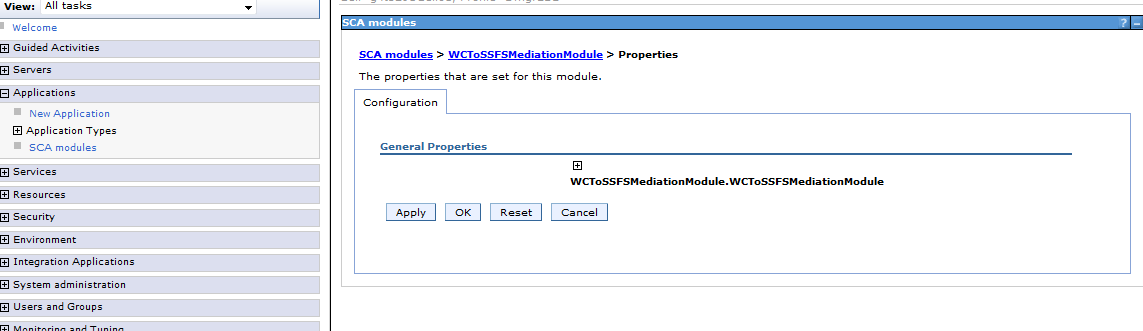


c. Click on the WCToSSFSMediationModule

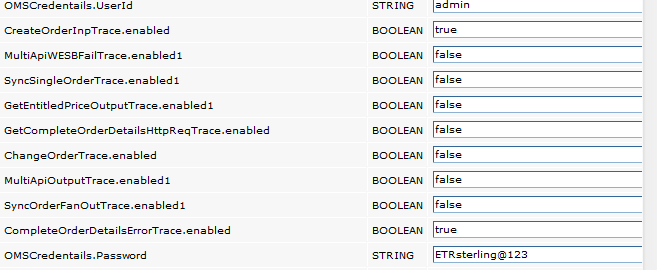
d. Select Additional Properties 🡪 Module Properties



e. Under General Properties, the OMS user id can be entered in OMSCredentials.UserId.

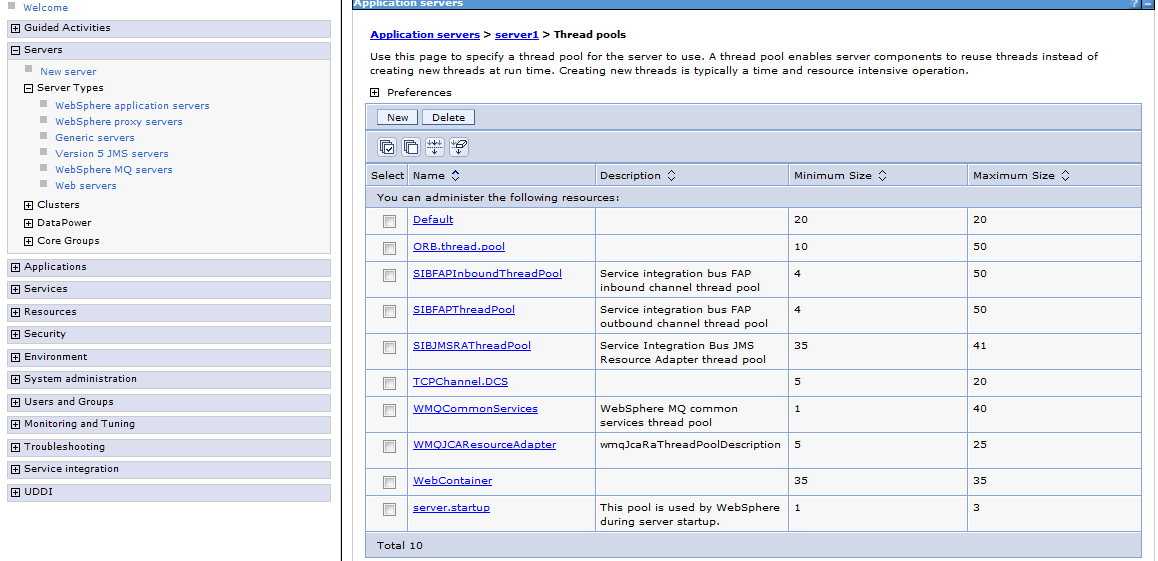


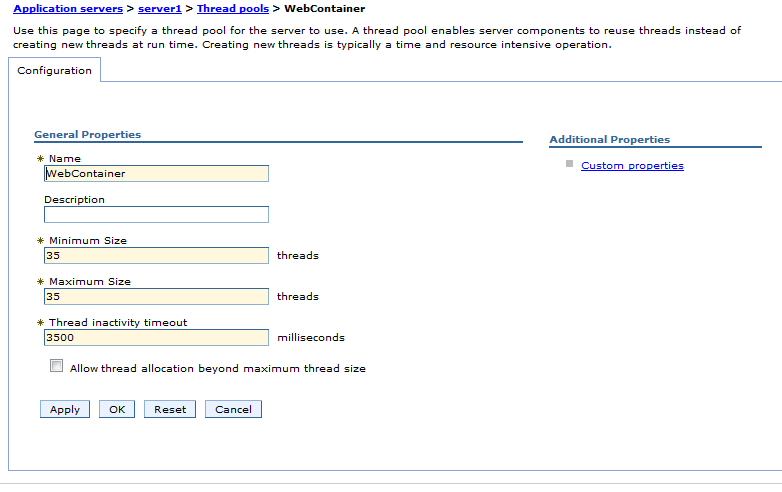
f. OMS password can be entered in OMSCredentials.Password



**44. WEBCONTRAINER THREAD COUNT CHANGE IN IBM CONSOLE**

a. go to application servers🡪server1🡪 Thread pools-> Web container from the list





Change the Minimum size or Maximum size based on the request

**45. FINDING UNWANTED JAR FILES**

a. Go to the below path if its STAGE:

/opt/apps/IBM/WebSphere/AppServer/profiles/ETRSTAGE/installedApps/WC\_ETRSTAGE\_cell/WC\_ETRSTAGE.ear/lib

And type the command :

ls asm-3.1.jar aspectjrt-1.6.7.jar authorization-profile-data-2013.08.jar data-match-client-2013.10-SNAPSHOT.jar data-match-engine-2013.10-SNAPSHOT.jar elementary-process-data-2013.08.jar Enablement-BaseComponentsLogic.jar foundation-2013.08.jar hibernate-validator-4.2.0.Final.jar http-verb-data-2013.08.jar jcip-annotations-1.0.jar jersey-core-1.5.jar jersey-server-1.5.jar junit-4.1.jar log4j-1.2.16.jar logback-classic-0.9.28.jar logback-core-0.9.28.jar ojdbc5-11.2.0.1.0.jar ojdbc6-11.2.0.3.0.jar security-impl-2013.08.jar security-system-asset-data-2013.08.jar security-system-user-data-2013.08.jar slf4j-log4j12-1.6.3.jar stax-api-1.0-2.jar system-user-data-2013.08.jar system-user-type-data-2013.08.jar validation-api-1.0.0.GA.jar web-resource-data-2013.08.jar webservices-api-2.1.1.jar webservices-rt-2.1.1.jar application-process-data-2013.08.jar

b. If any file we got from the above list, need to delete those files and do restart of servers.

c. Go to the below path if it’s LIVE and repeat the same step as above:

/opt/apps/IBM/WebSphere/AppServer/profiles/ETRLIVE/installedApps/WC\_ETRLIVE\_cell/WC\_ETRLIVE.ear/lib

**46. REMOVAL OF OLD CLASS FILES, IF PRESENT ANY**

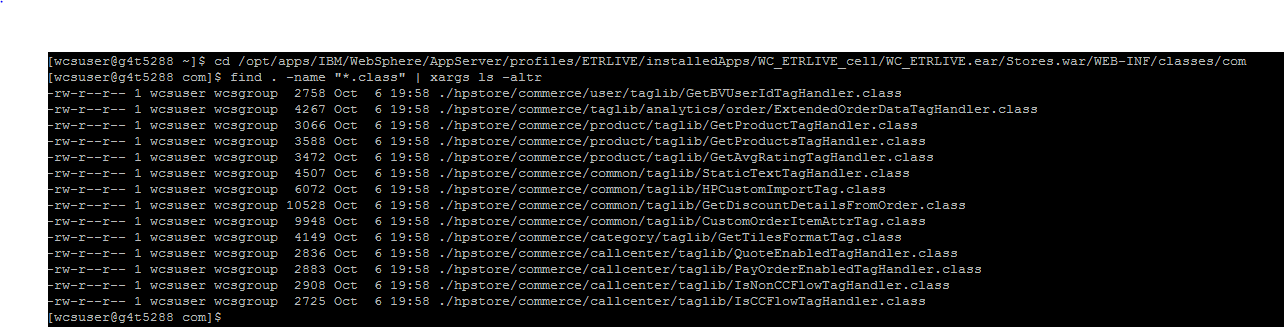
a. Go to the below (its for live):

/opt/apps/IBM/WebSphere/AppServer/profiles/ETRLIVE/installedApps/WC\_ETRLIVE\_cell/WC\_ETRLIVE.ear/Stores.war/WEB-INF/classes/com

b. Give the command : find . -name "\*.class" | xargs ls –altr

c. If we find any files under the “./hp” directory with old dates, we can remove those.

d. We should not remove files present under “./hpstore” at any cost.



**47. ADDING CA CERTIFICATE TOTRUST STORE:**

Use keytool to install certificates to the trusted store in java path.

For e.g. go to /opt/apps/IBM/Sterling93/jdk/jre/bin

1. keytool -import -alias hpca2016 -keystore /opt/apps/IBM/Sterling93/jdk/jre/lib/security/cacerts -trustcacerts -file /tmp/HP\_Inc\_Private\_Root\_CA.cer -storepass changeit
2. Give “yes” while asking confirmation then certificate will be added

**48. DB RELATED TASKS**

For any DB related tasks like password reset, read user creation, schema creation etc. raise IM ticket to DBA ([imap.poe.doc.oracle@hp.com](mailto:imap.poe.doc.oracle@hp.com)) and follow up with them.

Password reset for any user can be done from Dap tool (<https://databases.corp.hp.com/dap/> )

**49: IMAGE PUSH FROM PROD TO ITG WEB SERVERS**

Connect to Prod live Webserver.

1. And go to the below path:
   1. /opt/apps/IBM/WebSphere/AppServer/profiles/ETRLIVE/installedApps/WC\_ETRLIVE\_cell/WC\_ETRLIVE.ear/Stores.war
2. And enter the below command:
   1. find . -type f \( -name \\*\.jpeg -o -name \\*\.png -o -name \\*\.bmp -o -name \\*\.gif -o -name \\*\.jpg \) | cpio -pdm /opt/apps/Stores.war(images finding and making zip)
3. It will generate stores.war file in /opt/apps directory of Prod live Webserver.
4. Then make it tar by using below command:
   1. tar -cvzf Stores.war.tar.gz Stores.war
5. And copy this tar file to the destination server(ITG webserver) stores.war location and untar this one.
6. Use below command to untar the tar file;
   1. untar tar -xvf Stores.war.tar.gz

**50. DLP JOBS:**

* 1. CTO Config Load Job: Got to the path /opt/apps/PDHDataLoad/bin/ and give the command (nohup sh HPCTOConfigLoadFromSterling.sh HP-ROW.NA-G1 MANUAL en\_US &)
  2. Multi Config Job: Got to the path /opt/apps/PDHDataLoad/bin/ and give the command(nohup sh CTOServicesStandalone.sh HP-ROW.NA-G1 &)
  3. PST job : Got to the path /opt/apps/PDHDataLoad/bin and give the command (nohup sh PriceStrikeThrough.sh HP-ROW.NA-G1 AUTO &)
  4. Feed Generation Job: Got to the path /opt/apps/PDHDataLoad/bin and give the command (nohup sh HPFeedGenerationJob.sh HP-ROW.NA-G1 MANUAL en\_US &).
  5. Itemload job : Go to: cd /opt/apps/DataExtract/Catalog/bin

full load:

nohup ./hp\_dataextract.sh /opt/apps/DataExtract/Catalog/DeltaExtract/wc-dataextract-master.xml -DstoreId="US\_Store" -DcatalogId="HP\_Global\_CAS" &

delta load: nohup sh hp\_deltaextract.sh HP-ROW.NA-G1 MANUAL &

f. Corona job : nohup sh HPComponentsLoadFromCORONA.sh HP-ROW.NA-G1 MANUAL en\_US &

g. Prism job: nohup sh HPCatalogLoadFromPRISM.sh HP-ROW.NA-G1 MANUAL en\_US &

h. Data Extract Job: Go to the path (/opt/apps/PDHDataLoad/bin/) and run the below command

nohup sh HPProductDataExtractJob.sh HP-ROW.NA-G1 MANUAL &

i.Bazarvoice job:

Bv Import:

1.Go to the below path and run the command below:

/opt/apps/IBM/WebSphere/CommerceServer70/bin

nohup sh dataload.sh /opt/apps/PDHDataLoad/config/BazaarVoice/wc-dataload.xml -DdataloadParams="|pdhConfigPath=/opt/apps/PDHDataLoad/config/WCAdapter,locale=en\_US,jobContext=HP-ROW.NA-G1" -DstoreIdentifier="HP\_Global\_CAS" -DcatalogIdentifier="HP\_Global\_CAS" &

Bv Export:

1.Go to the below path and run the command mentioned below:

/opt/apps/PDHDataLoad/bin

Command:

(nohup sh bazaarvoiceDataFeed.sh /opt/apps/PDHDataLoad/config/RRDataExtract/bazaarvoiceFeedProps.properties &)