**PHIX-GHP DEPLOY SCRIPT**

phix-ghp\_deploy

Only DB deploy

Enter parameters

Get artifact name from parameters

Validation

Parameters,build & directory str.

Structure validation

Stop process

error

if correct

Transfer artifacts & scripts on

server

Backup of application. Stop services as per selection

Deploy the artifact on server.

Update serverversion file with application’s latest information

Apply DB patches if selected in build

Start services

(as per module)

Deployment

done

**Email for startup of job**

Send email to the user on startup of deploy job.

**If only db deploy**

**Stop tomcat**

undeploy existing application

**Db deploy**:

* Take svn export of "$build\_db\_url" from revision number "129783" on $home\_dir/db/$code\_base/$stream\_name location.
* then svn export $revision\_number\_core $dbdeploy\_patch\_url\_core
* svn export -r $revision\_number $dbdeploy\_patch\_url\_ghp
* copy $apps\_user@$host\_name:/etc/tomcat7/Catalina/localhost/notification- system.xml to build-db

**DB context file location**

* context\_path=$home\_dir/db/$code\_base/$stream\_name/build-db
* context\_file=$context\_path/notification-system.xml
* update "db.properties" file with db\_url, username , password, patch\_directory\_phix, outputfile\_phix, undoOutputfile\_phix, and changelog.
* db\_property\_file=$home\_dir/db/$code\_base/$stream\_name/build-db/db.properties
* Apply DB patches.

**Start tomcat**

**Pre deployment Steps**

1. Extract artifact in $artifact\_dir/$code\_base/$stream\_name/${moded\_dir\_name} .

Where moded\_dir\_name=$$ .

1. Go to moded\_dir\_name and Take svn export from $configuration\_url/$host\_name\_config\_folder.
2. For config: copy
   1. $host\_name\_config\_folder/batch-job/batch-jobs-ghp.properties to config/phix-batch-jobs/properties.
   2. $host\_name\_config\_folder/batch-job/id\_rsa to config/phix-batch-jobs/sftpKey
   3. $host\_name\_config\_folder/batch-job/wsdl/\* to config/phix-batch-jobs/wsdl
3. For notification-system: copy
   1. $host\_name\_config\_folder/ns.properties to notification-system\*/WEB-INF/classes/props/.
4. For ghp-admin-view:
   1. create props folder at ghp-admin-view\*/WEB-INF/lib. Copy
   2. $mod\_wd/$host\_name\_config\_folder/ns.properties to props/.
   3. Add props/ns.properties to notification-system\*.jar. Remove props folder.
   4. Copy $mod\_wd/$host\_name\_config\_folder/sb-service-app/endpoint-urls.properties to ghp-admin-view\*/WEB-INF/lib.
   5. Add endpoint-urls.properties to small-business-application-impl\*.jar
5. For small-business-application-rest\* : Copy
   1. $mod\_wd/$host\_name\_config\_folder/sb-service-app/endpoint-urls.properties to small-business-application-rest\*/WEB-INF/lib.
   2. Add endpoint-urls.properties to small-business-application-impl\*.jar
6. For broker-application-rest : Copy
   1. $mod\_wd/$host\_name\_config\_folder/broker-service-app/endpoint-urls.properties to broker-application-rest\*/WEB-INF/lib
   2. Add endpoint-urls.properties to broker-application-impl\*.jar
7. For ghp-broker-view, ghp-employee-view, ghp-employer-view, or ghp-individual-view : Copy
   1. $host\_name\_config\_folder/idp.xml to ${i}\*/WEB-INF/classes/META-INF/spring/saml-security/.
   2. $host\_name\_config\_folder/samlKeystore.jks to ${i}\*/WEB-INF/classes/META-INF/spring/saml-security/.
   3. $host\_name\_config\_folder/ghp\_dev\_keystore.jks to ${i}\*/WEB-INF/classes/.
8. For ghp-individual-view or ghp-broker-view : copy
   1. $host\_name\_config\_folder/${tmp\_portal\_name1}/saml\_properties.properties to ${i}\*/WEB-INF/classes/.
9. For ghp-individual-view : Copy
   1. $host\_name\_config\_folder/ghppayment.jks to ${i}\*/WEB-INF/classes/.
10. For ghp-employer-view : Copy
    1. $host\_name\_config\_folder/employer/saml\_group\_properties.properties to ${i}\*/WEB-INF/classes/.
11. For ghp-broker-view or ghp-employer-view or ghp-individual-view : Copy
    1. $host\_name\_config\_folder/${tmp\_portal\_name}/SAML\_login\_plugin.xml to ${i}\*/WEB-INF/classes/META-INF/spring/openID/.
12. For ghp-employee-view : Copy
    1. $host\_name\_config\_folder/employee/employee-security.xml to ${i}\*/WEB-INF/classes/META-INF/spring/.
13. Untar the artifact in pwd.

**Validation**

1. Check whether buil exists or not.
2. Validating Directory structure on target machine.

**Transferfiles**

1. Transfering artifacts at target server at location $target\_upload\_dir/temp.
2. Copy $artifact\_dir/$code\_base/$stream\_name/modules\_to\_be\_deploy\_${stream\_name}\_${module\_artifact\_name}\_${revision\_number} to $apps\_user@$host\_name:$target\_upload\_dir/temp/modules\_to\_be\_deploy
3. Copy $template\_file\_path to $apps\_user@$host\_name:$target\_upload\_dir/temp

**Variables:**

**home\_dir=**/usr/local

**upload\_dir**=$home\_dir/ghp\_phix\_staging

**upload\_current\_dir**=$upload\_dir/current

**logs\_dir**=/home/ubuntu/logs

**artifact\_dir**=$upload\_dir/temp

**tomcat\_home**=/var/lib/tomcat7

**application\_log**=/usr/local/applications/phix\_log/logs

**build\_file\_path**=$HOME/ServerVersion/server\_version.txt

**template\_file\_path**=$upload\_current\_dir/build\_info\_template\_generic

**build\_info\_file**=$upload\_current\_dir/build\_info

**svn\_base\_url\_ghp=**https://svn.hcinternal.net/svn/GHP/GHP

**artifact\_name=**ghp\_phix\_portal\_"$stream\_name\_ghp"\_"$module\_artifact\_name"\_"$revision\_number\_ghp".tar.gz

**modules\_to\_be\_compile**=$home\_dir/src/GHP-PHIX/$code\_base\_ghp/$stream\_name\_ghp/modules\_to\_be\_deploy\_${stream\_name\_ghp}\_${module\_artifact\_name}\_${revision\_number\_ghp}

**installcommand**="mvn -DskipTests -Dmaven.repo.local=/mnt/maven\_m2\_repositories/ghp\_phix/.m2/repository clean install -f "

**installcommand\_batchjob**="mvn -Dmaven.repo.local=/mnt/maven\_m2\_repositories/ghp\_phix/.m2/repository clean install -P prod"

**Check modules to be deploy.**

If modules selected are “all”, "batch-jobs", "individual-portal-build", "broker-portal-build", "employee-portal-build", and "employer-portal-build" then keep batch\_jobs\_flag as “yes”.

Check modules selected equal to the modules selected during buil process.

**Backup:** Taking backup of existing artifacts on $host\_name. For example if module selected “all” or "employee-portal-build" then

remove $upload\_dir/backup/employee and then

copy -rpf $apps\_dir/employee $upload\_dir/backup/.

**Undeploy:** Undeploying application from tomcat and Stopping all instances of $host\_name. Removing cache logs repositories templates from employer, employee, broker and individual.

Delete all sevices’s folder from $apps\_dir as per selection of services.

For example: if module selected is "user-management-service-build" then remove $apps\_dir/user-service.

**Deploy**

1. Deploy artifact at $upload\_current\_dir

|  |  |  |
| --- | --- | --- |
| **Modules** | **Source** | **Destination** |
| “all” and “employee-portal-build” | ghp-employee-\* | $apps\_dir/employee |
| “all” and “employer-portal-build” | ghp-employer-\* | $apps\_dir/employer |
| “all” and “plan-service-rest” | rest-endpoint-\* | $apps\_dir/plan-service |
| “all” and "user-management-service-build" | user-management-rest-endpoint-\* | $apps\_dir/user-service |
| “all” and "small-business-application-build" | small-business-application-rest-\* | $apps\_dir/sb-service-app |
| “all” or "small-business-rest" | small-business-rest-endpoint-\* | $apps\_dir/sb-service |
| “all” or "enrollment-service-build" | enrollment-rest-endpoint-\* | $apps\_dir/enrollment-service |
| “all” or "rate-rest-build" | rate-service-rest-endpoint-\* | $apps\_dir/rate-service |
| “all” or "shopping-service-build" | shopping-service-rest-endpoint-\* | $apps\_dir/shop-service |
| “all” or "guided-shopping-build" | guided-shopping-rest-endpoint-\* | $apps\_dir/guided-shopping-service |
| “all” or "notification-service-build" | notification-system-\* | $apps\_dir/notification-system |
| “all” or "individual-rest" | indv-service-rest-endpoint\* | $apps\_dir/indv-service |
| “all” or "individual-portal-build" | ghp-individual-view-\* | $apps\_dir/individual |
| “all” or "admin-build" | ghp-admin-view-\* | $apps\_dir/admin |
| “all” or "broker-portal-build" | ghp-broker-view-\* | $apps\_dir/broker |
| “all” or "indv-application-build" | indv-application-rest-\* | $apps\_dir/indv-service-app |
| “all” or "provider-search-rest-build" | provider-search-rest-endpoint-\* | $apps\_dir/provider-service-new |
| “all” or "broker-rest-build" | broker-rest-endpoint-\* | $apps\_dir/provider-service-new |
| “all” or "broker-application-build" | broker-application-rest-\* | $apps\_dir/broker-service-app |
| “all” or "individual-portal-build" or "broker-portal-build" or "employee-portal-build" or "employer-portal-build" or "batch-jobs" | config | $apps\_dir/config |
| “all” or "batch-jobs" | batch-jobs-ghp-\* | $apps\_dir/batch-jobs-ghp-main/batch-jobs-ghp |

**Post Deployment Steps**

1. **Create build\_info\_file** : update information in serverversion file with the following:

phix\_core\_svn\_url, revision\_number, phix\_ha\_svn\_url, revision\_number\_ha, phix\_ghp\_svn\_url, revision\_number\_ghp, date and jira ticket number.

If modules selected are “all” update information for all modules, else update as per selected modules.

1. **Update Context file:** Update following informations

context\_file\_url

context\_file\_username

context\_file\_password

batch\_jobs\_file

**Restart:** Tomcat restart required in deployment.

**Troubleshooting:** Mostly error occurs due to selection of wrong parameters. All checks are present in the script to check every condition and display of messages makes it easier to understand.

Further if any changes are coming like adding of any parameter will be mentioned with the usage and requirement.