**PHIX-GHP BUILD SCRIPT**

Insert parameters

Check parameters

If Wrong

Stop process

if Correct

Update workspace by exporting data

Build source code and copy artifact

Mvn clean install

Compile code

Create artifact of all data to be deployed.

**SCRIPT FUNCTIONING**

**Parameters**

1. Svn\_Folder\_CORE
2. Stream\_Name\_CORE
3. Latest\_Revision\_Number\_CORE
4. Svn\_Folder\_HA
5. Stream\_Name\_HA
6. Latest\_Revision\_Number\_HA
7. Svn\_Folder\_GHP
8. Stream\_Name\_GHP
9. Latest\_Revision\_Number\_GHP
10. Module

**Pre Build Steps**

1. Check for parameters are correct or not.
2. Go to $src\_dir if $stream\_name already exists then delete it.

**Update Workspace**

1. svn export -r $revision\_number $phix\_core\_svn\_url.
2. If failed to do above send failure email.

**Updateworkspace\_ha**

1. svn export -r $revision\_number\_ha $phix\_ha\_svn\_url.
2. If failed to do above send failure email.

**Updateworkspace\_ghp**

1. svn export -r $revision\_number\_ghp $phix\_ghp\_svn\_url
2. If failed to do above send failure email.

**Modules Array**

* Create an array to store all the modules.

**Check Space Required**

* If space is less than 10 gb give message!!! Running out of space oops please clean around 10GB of space to rerun it and send failure email.

**Variables**

* **home\_dir**=/var/jenkins/projects/GHP-PHIX
* **logs\_dir**=${home\_dir}/logs
* **code\_base**=branch or tag
* **stream\_name**=branch\_name or tag\_name
* **trunk**=trunk
* **src\_dir**=$home\_dir/src/PRD-PHIX/$code\_base
* **src\_dir\_ha**=$home\_dir/src/HA-PHIX/$code\_base\_ha
* **src\_dir\_ghp**=$home\_dir/src/GHP-PHIX/$code\_base\_ghp
* **svn\_base\_url**=https://svn.hcinternal.net/svn/PHIX/PHIX
* **svn\_base\_url\_ha**=https://svn.hcinternal.net/svn/HAEX/HAEX
* **svn\_base\_url\_ghp**=https://svn.hcinternal.net/svn/GHP/GHP
* **artifact\_name**=ghp\_phix\_portal\_"$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"

**Buildsourcecode**

1. If module=”all” go to $src\_dir/$stream\_name/build and compile “build-all-pom.xml” using

/mnt/maven\_m2\_repositories/ghp\_phix/.m2/repository clean install -f

1. admin portal compilation: go to $src\_dir/$stream\_name/build/admin-build and compile pom.xml using /mnt/maven\_m2\_repositories/ghp\_phix/.m2/repository clean install -f
2. batch job compilation: go to $src\_dir/$stream\_name/components/batch-jobs-ghp and compile pom.xml using /mnt/maven\_m2\_repositories/ghp\_phix/.m2/repository clean install -P prod
3. If any of the above step fails remove PHIX\_HA\_GHP\_build\_monitoring\_file from /var/jenkins/projects/GHP-PHIX/ location, and send failure email.
4. If particular modules selected then compile pom.xml file for specified modules by using module array.

**Build\_portals\_ha**

1. If module=”all” go to $src\_dir\_ha/$stream\_name\_ha/build/${i} compile pom.xml.

Where : $i is employer-portal-build , employee-portal-build, broker-portal-build or individual-portal-build.

1. If particular modules are selected use module array to compile pom.xml.

**Build\_portals\_ghp**

1. If module=”all” go to $src\_dir\_ghp/$stream\_name\_ghp/build/${i} compile pom.xml

Where : $i is employer-portal-build , employee-portal-build, broker-portal-build or individual-portal-build.

1. If particular modules are selected use module array to compile pom.xml.

**Copyartifacts**

1. To create artifact get release number for all the modules for eg: employee\_portal module then go to $employee\_portal\_artifact\_dir and get release number.
2. Create folder $stream\_name\_ghp at $home\_dir/artifacts/$code\_base\_ghp/ location. If failed to do so send failure email.
3. Copy ${modules\_to\_be\_compile} to $home\_dir/artifacts/$code\_base\_ghp/$stream\_name\_ghp. If failed to do so send failure email.
4. For individual modules

|  |  |  |
| --- | --- | --- |
| **Modules** | **Source** | **Destination** |
| plan-service-rest | $plan\_artifact\_dir/target/rest-endpoint-$plan\_release\_number | $home\_dir/temp |
| user-management-service-build | $user\_artifact\_dir/target/user-management-rest-endpoint-$user\_release\_number | $home\_dir/temp |
| small-business-rest | $small\_business\_artifact\_dir/target/small-business-rest-endpoint-$small\_business\_release\_number | $home\_dir/temp |
| small-business-application-build | $small\_business\_rest\_artifact\_dir/target/small-business-application-rest-$small\_business\_rest\_release\_number | $home\_dir/temp |
| enrollment-service-build | $enrollment\_service\_artifact\_dir/target/enrollment-rest-endpoint-$enrollment\_service\_release\_number | $home\_dir/temp |
| employer-portal-build | $employer\_artifact\_dir/target/ghp-employer-view-$employer\_release\_number | $home\_dir/temp |
| rate-rest-build | $rate\_service\_artifact\_dir/target/rate-service-rest-endpoint-$rate\_service\_release\_number | $home\_dir/temp |
| shopping-service-build | $shop\_service\_artifact\_dir/target/shopping-service-rest-endpoint-$shop\_service\_release\_number | $home\_dir/temp |
| guided-shopping-build | $guided\_shop\_service\_artifact\_dir/target/guided-shopping-rest-endpoint-$guided\_shop\_service\_release\_number | $home\_dir/temp |
| notification-service-build | $notification\_service\_artifact\_dir/target/notification-system-$notification\_service\_release\_number | $home\_dir/temp |
| provider-search-rest-build | $provider\_artifact\_dir/target/provider-search-rest-endpoint-$provider\_release\_number | $home\_dir/temp |
| individual-portal-build | $individual\_portal\_artifact\_dir/target/ghp-individual-view-$individual\_portal\_release\_number | $home\_dir/temp |
| admin-build | \_portal\_artifact\_dir/target/ghp-admin-view-$admin\_portal\_release\_number | $home\_dir/temp |
| broker-portal-build | $broker\_portal\_artifact\_dir/target/ghp-broker-view-$broker\_portal\_release\_number | $home\_dir/temp |
| indv-application-build | $indv\_application\_artifact\_dir/target/indv-application-rest-$indv\_application\_release\_number | $home\_dir/temp |
| individual-rest | $individual\_service\_artifact\_dir/target/indv-service-rest-endpoint-$individual\_service\_release\_number | $home\_dir/temp |
| broker-rest-build | $broker\_rest\_artifact\_dir/target/broker-rest-endpoint-$broker\_rest\_release\_number | $home\_dir/temp |
| broker-application-build | $broker\_application\_artifact\_dir/target/broker-application-rest-$broker\_application\_release\_number | $home\_dir/temp |
| batch-jobs | $batch\_jobs\_artifact\_dir/target/batch-jobs-ghp-$batch\_jobs\_release\_number-distribution/batch-jobs-ghp-$batch\_jobs\_release\_number | $home\_dir/temp |
| employer-portal-build, employee-portal-build, individual-portal-build, broker-portal-build, and batch-jobs | $src\_dir/$stream\_name/config to $home\_dir/temp then copy $src\_dir\_ghp/$stream\_name\_ghp/config/\* | $home\_dir/temp/config |

**Where:**

|  |  |
| --- | --- |
| plan\_artifact\_dir | $src\_dir/$stream\_name/components/plan-management/plan-service/plan-service-endpoints/rest-endpoint |
| user\_artifact\_dir | $src\_dir/$stream\_name/components/user-management/user-management-service/user-management-rest-endpoint |
| small\_business\_artifact\_dir | $src\_dir/$stream\_name/components/small-business/small-business-service/small-business-service-endpoints/small-business-rest-endpoint |
| enrollment\_service\_artifact\_dir | $src\_dir/$stream\_name/components/enrollment/enrollment-service/enrollment-rest-endpoint |
| small\_business\_artifact\_dir | $src\_dir/$stream\_name/components/small-business/small-business-service/small-business-service-endpoints/small-business-rest-endpoint |

|  |  |
| --- | --- |
| payment\_service\_artifact\_dir | $src\_dir/$stream\_name/components/payment/payment-service/payment-service-endpoints/payment-rest-endpoint |
| rate\_service\_artifact\_dir | $src\_dir/$stream\_name/components/rate/rate-service/rate-service-endpoints/rate-service-rest-endpoint |
| guided\_shop\_service\_artifact\_dir | $src\_dir/$stream\_name/technical-components/guided-shopping/guided-shopping-rest-endpoint |
| shop\_service\_artifact\_dir | $src\_dir/$stream\_name/technical-components/shopping-service/shopping-service-rest-endpoint |
| notification\_service\_artifact\_dir | $src\_dir/$stream\_name/technical-components/notification-service |
| indv\_application\_artifact\_dir | $src\_dir/$stream\_name/components/indv-application/indv-application-rest |
| individual\_service\_artifact\_dir | $src\_dir/$stream\_name/components/individual/individual-service/indv-service-endpoints/indv-service-rest-endpoint |
| provider\_artifact\_dir | $src\_dir/$stream\_name/components/provider-search/provider-search-rest-endpoint |
| broker\_rest\_artifact\_dir | $src\_dir/$stream\_name/components/broker/broker-service/broker-service-endpoints/broker-rest-endpoint |
| broker\_application\_artifact\_dir | $src\_dir/$stream\_name/components/broker/broker-application/broker-application-rest |

**Portals properties**

|  |  |
| --- | --- |
| employee\_portal\_artifact\_dir | $src\_dir\_ghp/$stream\_name\_ghp/portals/employee-portal/employee-view |
| employer\_artifact\_dir | $src\_dir\_ghp/$stream\_name\_ghp/portals/employer-portal/employer-view |
| individual\_portal\_artifact\_dir | $src\_dir\_ghp/$stream\_name\_ghp/portals/individual-portal/individual-view |
| admin\_portal\_artifact\_dir | $src\_dir\_ghp/$stream\_name\_ghp/portals/admin-portal/admin-view |
| broker\_portal\_artifact\_dir | $src\_dir\_ghp/$stream\_name\_ghp/portals/broker-portal/broker-view |

**batch jobs properties**

|  |  |
| --- | --- |
| batch\_jobs\_artifact\_dir | $src\_dir/$stream\_name/components/batch-jobs-ghp |

**Clean\_up**

1. to clean up space remove /var/jenkins/projects/GHP-PHIX/PHIX\_HA\_GHP\_build\_monitoring\_file from $src\_dir and remove $src\_dir/$stream\_name.
2. go to $src\_dir\_ha and remove $src\_dir\_ha/$stream\_name\_ha
3. go to $src\_dir\_ghp and remove $src\_dir\_ghp/$stream\_name\_ghp
4. send email for PASS to user else ABORTED email.

**Server Restart:** There is no need of restarting any server during build.

**Trouble shooting:** 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.