**PHIX-HA 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**

Pre Build Steps:

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

Update Workspace:

1. svn export $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.

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/HA-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/$code\_base\_ha
* **svn\_base\_url**=https://svn.hcinternal.net/svn/PHIX/PHIX
* **svn\_base\_url\_ha**=https://svn.hcinternal.net/svn/HAEX/HAEX
* **artifact\_name**=ha\_phix\_portal\_"$stream\_name\_ha"\_"$module\_artifact\_name"\_"$revision\_number\_ha".tar.gz
* **modules\_to\_be\_compile**=$home\_dir/src/HA-PHIX/$code\_base\_ha/$stream\_name\_ha/modules\_to\_be\_deploy\_${stream\_name\_ha}\_${module\_artifact\_name}\_${revision\_number\_ha}
* **installcommand**="mvn -DskipTests -Dmaven.repo.local=/mnt/maven\_m2\_repositories/ha\_phix/.m2/repository clean install -f "
* **installcommand\_batchjob**="mvn -Dmaven.repo.local=/mnt/maven\_m2\_repositories/ha\_phix/.m2/repository clean install -P prod"

Buildsourcecode:

1. if module = all go to $src\_dir/$stream\_name/build/$apps and compile pom.xml
2. batch job compilation go to $src\_dir/$stream\_name/components/batch-jobs compile batchjobs.
3. If module selected is "batch-jobs" go to $src\_dir/$stream\_name/build/${i} compile pom.xml.

Else go to $src\_dir/$stream\_name/components/${i} compile pom.xml.

build\_portals:

1. If module = all for employer-portal-build, employee-portal-build, broker-portal-build, and individual-portal-build go to $src\_dir\_ha/$stream\_name\_ha/build/${i} compile pom.xml.
2. For any module selected from array as $i go to $src\_dir\_ha/$stream\_name\_ha/build/${i} and compile pom.xml. for example $i = "broker-portal-build" .
3. If above step fail for any module delete /var/jenkins/projects/HA-PHIX/PHIX\_HA\_HA\_build\_monitoring\_file.

Copyartifacts:

1. Go to $plan\_artifact\_dir and display plan\_release\_number
2. Go to $user\_artifact\_dir and display user\_release\_number
3. Go to $small\_business\_artifact\_dir and display small\_business\_release\_number
4. Go to $small\_business\_rest\_release\_number and display small\_business\_rest\_release\_number
5. Go to $enrollment\_service\_artifact\_dir and display enrollment\_service\_release\_number
6. Go to $employer\_artifact\_dir and display employer\_release\_number
7. Go to $employee\_portal\_artifact\_dir and display employee\_portal\_release\_number
8. Go to $rate\_service\_artifact\_dir and display rate\_service\_release\_number
9. Go to $guided\_shop\_service\_artifact\_dir and display guided\_shop\_service\_release\_number
10. Go to $shop\_service\_artifact\_dir and display shop\_service\_release\_number
11. Go to $notification\_service\_artifact\_dir and display notification\_service\_release\_number
12. Go to $indv\_application\_artifact\_dir and display indv\_application\_release\_number
13. Go to $individual\_service\_artifact\_dir and display individual\_service\_release\_number
14. Go to $payment\_service\_artifact\_dir and display payment\_service\_release\_number
15. Go to $payment\_service\_release\_number and display payment\_service\_release\_number
16. Go to $individual\_portal\_artifact\_dir and display individual\_portal\_release\_number
17. Go to $admin\_portal\_artifact\_dir and display admin\_portal\_release\_number
18. Go to $broker\_portal\_artifact\_dir and display broker\_portal\_release\_number.
19. Go to $provider\_artifact\_dir and display provider\_release\_number.
20. Go to $broker\_rest\_artifact\_dir and display broker\_rest\_release\_number
21. Go to $broker\_application\_artifact\_dir and display broker\_application\_release\_number
22. Go to $batch\_jobs\_artifact\_dir and display batch\_jobs\_release\_number
23. If stream selected is "HA\_Ph1\_RC\_1.0" then go to $lifestatus\_management\_service\_artifact\_dir and display lifestatus\_management\_service\_release\_number.

Create folder $home\_dir/artifacts/$code\_base\_ha/$stream\_name\_ha

Copy ${modules\_to\_be\_compile} to $home\_dir/artifacts/$code\_base\_ha/$stream\_name\_ha

If stream selected is "HA\_Ph1\_RC\_1.0" and module selectes is “all” or "lifestatus-management-service-build" then copy $lifestatus\_management\_service\_artifact\_dir/target/life-status-management-rest-endpoint-$lifestatus\_management\_service\_release\_number to $home\_dir/temp.

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| --- | --- | --- |
| **Modules** | **Source** | **Destination** |
| “all” or "plan-service-rest" | $plan\_artifact\_dir/target/rest-endpoint-$plan\_release\_number | $home\_dir/temp |
| “all” or "user-management-service-build" | $user\_artifact\_dir/target/user-management-rest-endpoint-$user\_release\_number | $home\_dir/temp |
| “all” or "small-business-rest" copy | $small\_business\_artifact\_dir/target/small-business-rest-endpoint-$small\_business\_release\_number | $home\_dir/temp |
| “all” or "small-business-application-build" | $small\_business\_rest\_artifact\_dir/target/small-business-application-rest-$small\_business\_rest\_release\_number | $home\_dir/temp |
| “all” or "enrollment-service-build" | $enrollment\_service\_artifact\_dir/target/enrollment-rest-endpoint-$enrollment\_service\_release\_number | $home\_dir/temp |
| ”all” or "employer-portal-build" | $enrollment\_service\_artifact\_dir/target/enrollment-rest-endpoint-$enrollment\_service\_release\_number | $home\_dir/temp |
| “all” or "employee-portal-build" | $employer\_artifact\_dir/target/ha-employer-view-$employer\_release\_number | $home\_dir/temp |
| “all” or "rate-rest-build" | $rate\_service\_artifact\_dir/target/rate-service-rest-endpoint-$rate\_service\_release\_number | $home\_dir/temp |
| “all” or "shopping-service-build" | $shop\_service\_artifact\_dir/target/shopping-service-rest-endpoint-$shop\_service\_release\_number | $home\_dir/temp |
| “all” or "guided-shopping-build" | $guided\_shop\_ service\_artifact\_dir/target/guided-shopping-rest-endpoint-$guided\_shop\_service\_release\_number | $home\_dir/temp |
| “all” or "notification-service-build" | $notification\_service\_artifact\_dir/target/notification-system-$notification\_service\_release\_number | $home\_dir/temp |
| “all” or "employer-provider-seach-rest-build" | $provider\_artifact\_dir/target/provider-search-rest-endpoint-$provider\_release\_number | $home\_dir/temp |
| “all” or "admin-build" | $admin\_portal\_artifact\_dir/target/admin-view-$admin\_portal\_release\_number | $home\_dir/temp |
| “all” or "broker-portal-build" | $broker\_portal\_artifact\_dir/target/ha-broker-view-$broker\_portal\_release\_number | $home\_dir/temp |
| “all” or "indv-application-build" | $indv\_application\_artifact\_dir/target/indv-application-rest-$indv\_application\_release\_number | $home\_dir/temp |
| “all” or "individual-rest" | $individual\_service\_artifact\_dir/target/indv-service-rest-endpoint-$individual\_service\_release\_number | $home\_dir/temp |
| “all” or "payment-service" | $payment\_service\_artifact\_dir/target/payment-rest-endpoint-$payment\_service\_release\_number | $home\_dir/temp |
| “all” or "broker-rest-build" | $broker\_rest\_artifact\_dir/target/broker-rest-endpoint-$broker\_rest\_release\_number | $home\_dir/temp |
| “all” or "broker-application-build" | $broker\_application\_artifact\_dir/target/broker-application-rest-$broker\_application\_release\_number | $home\_dir/temp |
| “all” or "batch-jobs" | $batch\_jobs\_artifact\_dir/target/batch-jobs-$batch\_jobs\_release\_number-distribution/batch-jobs-$batch\_jobs\_release\_number | $home\_dir/temp |
| “all” or "employer-portal-build" or "employee-portal-build" or "individual-portal-build" or "broker-portal-build" or "batch-jobs" | $src\_dir/$stream\_name/config |  |
|  | $src\_dir\_ha/$stream\_name\_ha/config/\* | $home\_dir/temp/config |

Create Artifact and move $home\_dir/temp/$artifact\_name to $home\_dir/artifacts/$code\_base\_ha/$stream\_name\_ha

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 |
| lifestatus\_management\_service\_artifact\_dir | =$src\_dir/$stream\_name/components/life-status-management/life-status-management-service/life-status-management-rest-endpoint |

**Portals properties**

|  |  |
| --- | --- |
| employee\_portal\_artifact\_dir | $src\_dir\_ha/$stream\_name\_ha/portals/employee-portal/employee-view |
| employer\_artifact\_dir | $src\_dir\_ha/$stream\_name\_ha/portals/employer-portal/employer-view |
| individual\_portal\_artifact\_dir | $src\_dir\_ha/$stream\_name\_ha/portals/individual-portal/individual-view |
| admin\_portal\_artifact\_dir | $src\_dir\_ha/$stream\_name\_ha/portals/admin-portal/admin-view |
| broker\_portal\_artifact\_dir | $src\_dir\_ha/$stream\_name\_ha/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/HA-PHIX/PHIX\_HA\_HA\_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. 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.