18. Password Digest - SHA Encryption

We can generate password hashes using the OPFRealm.jar file.

The syntax is as below
cd /usr/IBM/????/WebSphere/ProcServer/lib/ext

<Java_Installation_path>/bin/java \\
-classpath OPFRealm.jar:/usr/IBM/????/WebSphere/ProcServer/ProcServer/plugins/com.ibm.ws.runtime.jar \\
/usr/IBM/????/WebSphere/ProcServer/ProcServer/plugins/com.ibm.ws.prereq.soap.jar \\
com.clear2pay.bph.security.registry.util.PasswordDigest -algo SHA stg@pscs12admin

Sample to generate in New ST Box:
cd /mnt7/BPMLVSS/WebSphere/ProcServer/lib/ext
/mnt7/BPMLVSS/WebSphere/ProcServer/java_1.7.1_64/bin/java -classpath OPFRealm.jar:/mnt7/BPMLVSS/WebSphere/ProcServer/plugins/com.ibm.ws.runtime.jar:/mnt7/BPMLVSS/WebSphere/ProcServer/plugins/com.ibm.ws.prereq.soap.jar com.clear2pay.bph.security.registry.util.PasswordDigest -algo SHA stg@pscs12admin

Sample to generate in NFT Box:
cd /usr/IBM/WASND_PSCS/WebSphere/ProcServer/lib/ext
/usr/IBM/WASND_PSCS/WebSphere/ProcServer/java/8.0/jre/bin/java -classpath OPFRealm.jar:/usr/IBM/WASND_PSCS/WebSphere/ProcServer/plugins/com.ibm.ws.runtime.jar:/usr/IBM/WASND_PSCS/WebSphere/ProcServer/plugins/com.ibm.ws.prereq.soap.jar com.clear2pay.bph.security.registry.util.PasswordDigest -algo SHA <enter password>

Screenshot

```
auggvbpba602:/usr/IBM/WASND_PSCS/WebSphere/ProcServer/lib/ext$/usr/IBM/WASND_PSCS/WebSphere/ProcServer/java/8.0/jre/bin/java -classpath OPFRealm.jar:/usr/IBM/WASND_PSCS/WebSphere/ProcServer/plugins/com.ibm.ws.runtime.jar:/usr/IBM/WASND_
PSCS/WebSphere/ProcServer/plugins/com.ibm.ws.prereq.soap.jar  com.clear2pay.bph.security.registry.util.PasswordDigest -algo SHA password
Credential hash: {SHA}5L4sI3Fl2dNMO2Y/Wy2wcBzuoCY=
Salt           : 23524
auggvbpba602:/usr/IBM/WASND_PSCS/WebSphere/ProcServer/lib/ext$/usr/IBM/WASND_PSCS/WebSphere/ProcServer/java/8.0/jre/bin/java -classpath OPFRealm.jar:/usr/IBM/WASND_PSCS/WebSphere/ProcServer/plugins/com.ibm.ws.runtime.jar:/usr/IBM/WASND_
PSCS/WebSphere/ProcServer/plugins/com.ibm.ws.prereq.soap.jar  com.clear2pay.bph.security.registry.util.PasswordDigest -algo SHA password
Credential hash: {SHA}fpH2kOcFJiAatqDfxMvRFgYUeFk=
Salt           : 128
```