

Propel 2.20 howto deploy SDK *sx-ui.war*

These instructions will help you to install the 2.20 SX DEV UI war file on Propel 2.20 GA instance.

Note 1: The 2.20 SDK package is available on HPLN <https://hpln.hpe.com/product/hp-propel/resources/file-repository>

Note 2: Download the right SDK for your Propel version !

Instructions:

1. Create a new directory:

```
mkdir /opt/hp/propel/sxDevUI
```

2. copy *sx-ui.war* file to */opt/hp/propel/sxDevUI*.

3. Make sure the file name is called *sx-ui.war*.

4. you need to extract the content of the WAR directly in */opt/hp/propel/sxDevUI*. You can use the command:

```
jar xvf sx-ui.war
```

5. remove *sx-ui.war* from */opt/hp/propel/sxDevUI*.

```
rm -rf /opt/hp/propel/sxDevUI/sx-ui.war
```

6. Then navigate to webapps under Jetty:

```
cd /opt/hp/propel/jetty-sx/webapps
```

7. Use vi or another commandline editor and create a new file (in */opt/hp/propel/jetty-sx/webapps*) as same as *WARDIRECTORY-context.xml*.

We recommend to call it: *sxDevUI-context.xml* and paste the below XML content in it:

```
vi /opt/hp/propel/jetty-sx/webapps/sxDevUI-context.xml
```

note: Please change the highlighted text as per your configuration (only the directory is needed (see step 1-3), not the name of the war file).

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE Configure PUBLIC "-//Jetty//Configure//EN" "http://www.eclipse.org/jetty/configure_9_0.dtd">
<Configure class="org.eclipse.jetty.quickstart.QuickStartWebApp">
  <Set name="contextPath">/sx-ui</Set>
  <Set name="war">/opt/hp/propel/sxDevUI</Set>
  <Set name="autoPreconfigure">true</Set>
  <Set name="securityHandler">
    <New class="org.eclipse.jetty.security.ConstraintSecurityHandler">
      <Call name="addConstraintMapping">
        <Arg>
          <New class="org.eclipse.jetty.security.ConstraintMapping">
            <Set name="pathSpec">/*</Set>
            <Set name="constraint">
              <New class="org.eclipse.jetty.util.security.Constraint">
                <!-- 2 means CONFIDENTIAL. 1 means INTEGRITY -->
                <Set name="dataConstraint">2</Set>
              </New>
            </Set>
          </New>
        </Arg>
      </Call>
    </New>
  </Set>
</Configure>

```

8. Make sure the folder you created (*/opt/hp/propel/sxDevUI*) has correct permissions by running the below command

```
chown -R propel:root /opt/hp/propel/sxDevUI
```

9. Check the permission of *sxDevUI* folder should be the same as *sx*:

```
ll /opt/hp/propel
```

```

drwxr-xr-x.  9 propel root    4096 Aug 10 13:46 subscription-ui
drwxr-xr-x. 11 propel root    4096 Aug 17 15:01 sx
drwxr-xr-x.  9 propel root    4096 Aug 10 13:46 sxClientUI
drwxr-xr-x.  9 propel root    4096 Aug 22 11:09 sxDevUI
drwxr-xr-x.  9 propel root    4096 Aug 10 13:46 sxUI
-rw-r--r--.  1 root   root   10707 Aug 17 15:01 versions.json

```

10. Backup/replace the OOTB */opt/hp/propel/sxDevUI/WEB-INF/sx.properties*

```
cp /opt/hp/propel/sxDevUI/WEB-INF/sx.properties /opt/hp/propel/sxDevUI/WEB-INF/sx.properties.bak
```

11. Modify */opt/hp/propel/sxDevUI/WEB-INF/sx.properties*

We need to modify four lines:

```

security.idmHostname=${idm.hostname:propel-prague-testing.hpeswlab.net}
security.returnUrl=http://localhost:8080/sx-ui
sx.ui.url=http://localhost:8080/sx-ui
sx.url=http://localhost:8080/sx

```

Actions to do:

- put a comment # sign in front of the 4 existing lines
- copy the entire lines `security.idmHostname=.....` and `sx.url=.....` from */opt/hp/propel/sx/WEB-INF/sx.properties* into */opt/hp/propel/sxDevUI/WEB-INF/sx.properties*
- duplicate line `sx.url=https://YOURSERVER.hpeswlab.net:9444/sx` to `sx.ui.url=https://YOURSERVER.hpeswlab.net:9444/sx-ui`
- add line `security.returnUrl=${sx.ui.url}`

```
root@propel220bxl:/opt/hp/propel/sxDevUI/WEB-INF
#Tue Nov 18 11:50:59 CET 2014
catalog.notificationUserOrganization=Provider
catalog.notificationUserPassword=ENC(B/vX8k7pZkln2VxV2HaDiPesUUkF0hc3ZVLIAtGzG28\=)
catalog.notificationUser=sxCatalogTransportUser
security.encryptedSigningKey=ENC(SXKwk+3gEEmv/CM5pvD8gQ==)
#security.idmHostname=${idm.hostname:propel-prague-testing.hpeswlab.net}
security.idmPort=9600
security.idmProtocol=https
security.idmPath=idm-service
security.idmTenant=CONSUMER
security.idmTransportUser=idmTransportUser
security.idmTransportUserPassword=ENC(8ZHTqNTKpZn4+lbFnkrPrRebZeUUu99yCXkT6N4DHQ\=)
#security.returnUrl=http://localhost:8080/sx-ui
skipCertificateValidation=true
sx.http.connectionTimeout = 600000
sx.http.separatedClientKeepAlive = 120000
sx.maxConcurrentConnectionPerSeparatedPool = 2
sx.maxSeparatedPoolTotal = 500
#sx.ui.url=http://localhost:8080/sx-ui
#sx.url=http://localhost:8080/sx
security.idmHostname=propel220bxl.hpeswlab.net
sx.url=https://propel220bxl.hpeswlab.net:9444/sx
sx.ui.url=https://propel220bxl.hpeswlab.net:9444/sx-ui
security.returnUrl=${sx.ui.url}
~
```

example:

```
#Tue Nov 18 11:50:59 CET 2014
catalog.notificationUserOrganization=Provider
catalog.notificationUserPassword=ENC(B/vX8k7pZkln2VxV2HaDiPesUUkF0hc3ZVLIAtGzG28\=)
catalog.notificationUser=sxCatalogTransportUser
security.encryptedSigningKey=ENC(SXKwk+3gEEmv/CM5pvD8gQ==)
#security.idmHostname=${idm.hostname:propel-prague-testing.hpeswlab.net}
security.idmPort=9600
security.idmProtocol=https
security.idmPath=idm-service
security.idmTenant=CONSUMER
security.idmTransportUser=idmTransportUser
security.idmTransportUserPassword=ENC(8ZHTqNTKpZn4+lbFnkrPrRebZeUUu99yCXkT6N4DHQ\=)
#security.returnUrl=http://localhost:8080/sx-ui
skipCertificateValidation=true
sx.http.connectionTimeout = 600000
sx.http.separatedClientKeepAlive = 120000
sx.maxConcurrentConnectionPerSeparatedPool = 2
sx.maxSeparatedPoolTotal = 500
#sx.ui.url=http://localhost:8080/sx-ui
#sx.url=http://localhost:8080/sx
security.idmHostname=propel220bxl.hpeswlab.net
sx.url=https://propel220bxl.hpeswlab.net:9444/sx
sx.ui.url=https://propel220bxl.hpeswlab.net:9444/sx-ui
security.returnUrl=${sx.ui.url}
```

12. Restart SX:

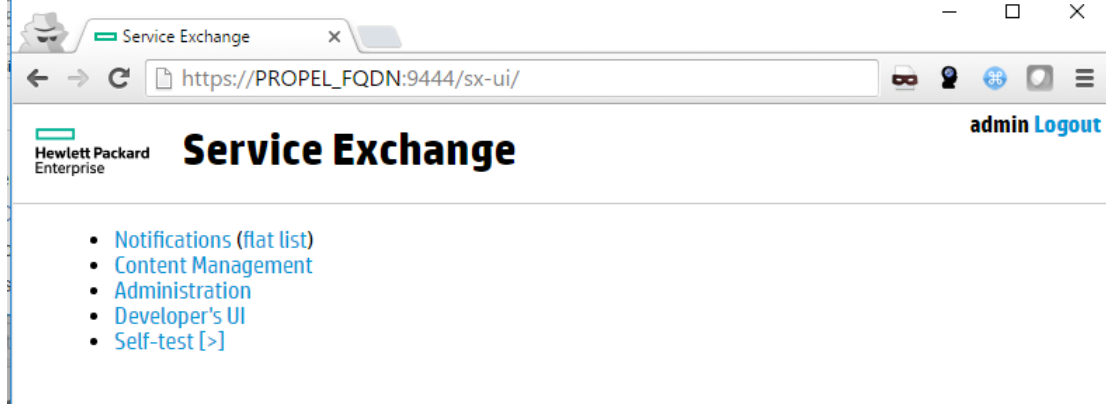
```
systemctl daemon-reload
systemctl restart jetty-sx
```

13. Clear your browser cookies (or go in Private Mode)

14. launch https://PROPEL_FQDN:9444/sx-ui/ Where PROPEL_FQDN, is the hostname of your Propel instance.

15. Login as admin/propel (make sure the organization is Provider and not CONSUMER, change the URL if needed)

16. Open "Developer's UI"



17. **DO NOT RUN or INSTALL SX-DEV UI in PRODUCTION Systems.** We do not support it at all !!!

18. Use the SDK guide instructions how to make use of the SX DEV UI.