

# Integrate Crafter Engine with Spring Social



This tutorial is not complete.

To configure Crafter Engine to use Spring Social to connect with social media providers like Facebook or Twitter, follow the steps:

1. Make sure security is enabled in Engine, by adding the following property to `TOMCAT_HOME/shared/classes/crafter/engine/extension/server-config.properties`:

```
crafter.security.enabled=true
```

2. Under the same folder, in `services-context.xml`, add the following `TextEncryptor` bean to provide encryption for the provider's user credentials like access token, secret and refresh token:

```
<bean id="crafter.textEncryptor"
class="org.craftercms.commons.crypto.impl.PbkAesTextEncryptor">
  <constructor-arg value="REPLACE WITH A PASSWORD"/>
  <constructor-arg value="REPLACE WITH A BASE-64 ENCODED 8-BYTE SALT"/>
</bean>
```

3. Add a `ConnectionFactoryRegistry` bean for your site, with `ConnectionFactory` for each one of the provider app credentials. For example, if we want to connect with Facebook, we would have a configuration similar to this:

```
<bean id="mysiteConnectionFactoryLocator"
class="org.springframework.social.connect.support.ConnectionFactoryRegistry">
  <property name="connectionFactories">
    <list>
      <bean
class="org.springframework.social.facebook.connect.FacebookConnectionFactory">
        <constructor-arg value="REPLACE WITH APP ID"/>
        <constructor-arg value="REPLACE WITH APP SECRET"/>
      </bean>
    </list>
  </property>
</bean>
```

4. Finally, overwrite the `crafter.connectionFactoryLocators` so that Crafter Engine can pick up the `ConnectionFactoryRegistry` for your site. If your Crafter Engine installation is standalone, the configuration would look like this:

```
<utils:map id="crafter.connectionFactoryLocators">
  <entry key="*" value-ref="globalConnectionFactoryLocator"/>
</utils:map>
```

While if it's a preview or multi-tenant installation, the configuration would be then like this:

```
<utils:map id="crafter.connectionFactoryLocators">
  <entry key="mysite" value-ref="mysiteConnectionFactoryLocator"/>
  <entry key="*" value-ref="globalConnectionFactoryLocator"/>
</utils:map>
```