

What to change for JDBC connection in Spring Security?

- Add annotation `@PropertySource("classpath:persistance-mysql.properties")` in `AppConfig`
- setup variables to hold properties  
    `@Autowired private Environment env;`
- setup a logger for diagnostics  
    `private Logger logger = Logger.getLogger(getClass().getName());`
- define a bean for security datasource

```
@Bean
public DataSource securityDataSource() {

    //create connection pool
    ComboPooledDataSource securityDataSource = new
    ComboPooledDataSource();

    //set jdbc driver class
    try {
        securityDataSource.setDriverClass(env.getProperty("jdbc.driver"));
    }catch(PropertyVetoException exc) {
        throw new RuntimeException(exc);
    }

    //log connection properties
    //to make sure data we are reading is correct
    logger.info(">>> jdbc.url=" + env.getProperty("jdbc.url"));
    logger.info(">>> jdbc.user=" + env.getProperty("jdbc.user"));

    //set database connection properties
    securityDataSource.setJdbcUrl(env.getProperty("jdbc.url"));
    securityDataSource.setUser(env.getProperty("jdbc.user"));
    securityDataSource.setPassword(env.getProperty("jdbc.password"));

    //set connection pool properties
    securityDataSource.setInitialPoolSize(
        getIntProperty("connection.pool.initialPoolSize"));

    securityDataSource.setMinPoolSize(
        getIntProperty("connection.pool.minPoolSize"));

    securityDataSource.setMaxPoolSize(
        getIntProperty("connection.pool.maxPoolSize"));

    securityDataSource.setMaxIdleTime(
        getIntProperty("connection.pool.maxIdleTime"));

    return securityDataSource;
}
```

- Create a helper method to read environment property and convert to int

```
private int getIntProperty(String propName) {  
  
    String propVal = env.getProperty(propName);  
  
    //convert to int  
    int intPropVal = Integer.parseInt(propVal);  
    return intPropVal;  
}
```