

09-Aug-2022 11:07:34.618 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Server version name: Apache Tomcat/8.5.71

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Server built: Sep 9 2021 18:43:14 UTC

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Server version number: 8.5.71.0

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log OS Name: Linux

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log OS Version: 4.18.0-372.16.1.el8_6.x86_64

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Architecture: amd64

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Java Home: /usr/lib/jvm/java-1.8.0-openjdk-1.8.0.332.b09-2.el8_6.x86_64/jre

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log JVM Version: 1.8.0_332-b09

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log JVM Vendor: Red Hat, Inc.

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log CATALINA_BASE: /opt/apache-tomcat-8.5.71

09-Aug-2022 11:07:34.621 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log CATALINA_HOME: /opt/apache-tomcat-8.5.71

09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.config.file=/opt/tomcat/conf/logging.properties

09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager

09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djdk.tls.ephemeralDHKeySize=2048

09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.protocol.handler.pkgs=org.apache.catalina.webresources

09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dorg.apache.catalina.security.SecurityListener.UMASK=0027

09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument:

```

-Dignore.endorsed.dirs=
09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument:
-Dcatalina.base=/opt/tomcat
09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument:
-Dcatalina.home=/opt/tomcat
09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.startup.VersionLoggerListener.log Command line argument:
-Djava.io.tmpdir=/opt/tomcat/temp
09-Aug-2022 11:07:34.622 INFO [main]
org.apache.catalina.core.AprLifecycleListener.lifecycleEvent The Apache Tomcat Native
library which allows using OpenSSL was not found on the java.library.path: [/usr/java/
packages/lib/amd64:/usr/lib64:/lib64:/lib:/usr/lib]
09-Aug-2022 11:07:34.700 INFO [main] org.apache.coyote.AbstractProtocol.init
Initializing ProtocolHandler ["https-jsse-nio-8443"]
09-Aug-2022 11:07:34.874 INFO [main]
org.apache.tomcat.util.net.NioSelectorPool.getSharedSelector Using a shared selector
for servlet write/read
09-Aug-2022 11:07:34.890 INFO [main] org.apache.catalina.startup.Catalina.load
Initialization processed in 686 ms
09-Aug-2022 11:07:34.928 INFO [main]
org.apache.catalina.core.StandardService.startInternal Starting service [Catalina]
09-Aug-2022 11:07:34.928 INFO [main]
org.apache.catalina.core.StandardEngine.startInternal Starting Servlet engine: [Apache
Tomcat/8.5.71]
09-Aug-2022 11:07:34.953 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployWAR Deploying web application archive
[/opt/apache-tomcat-8.5.71/webapps/WebAPI.war]
09-Aug-2022 11:07:34.965 WARNING [localhost-startStop-1]
org.apache.catalina.startup.SetContextPropertiesRule.begin
[SetContextPropertiesRule]{Context} Setting property 'antiJARLocking' to 'true' did not
find a matching property.
09-Aug-2022 11:07:45.118 INFO [localhost-startStop-1]
org.apache.jasper.servlet.TldScanner.scanJars At least one JAR was scanned for TLDs
yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs
that were scanned but no TLDs were found in them. Skipping unneeded JARs during
scanning can improve startup time and JSP compilation time.

```

```

. ____ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
^/  ' _ _ _ _ ( ) _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
( ( ) \ _ _ _ _ | ' _ _ _ _ | ' _ _ _ _ | ' _ _ _ _ | ' _ _ _ _ | ' _ _ _ _ |
W _ _ _ _ | | _ _ _ _ | | | | | | | | | | | | ( _ _ _ _ ) ) ) )
' | _ _ _ _ | _ _ _ _ | | | | | | | | | | | | _ _ _ _ , | | | | |
=====|_|=====|_|=====|_|=====|_|=====|_|=====|_|=====|_|
:: Spring Boot ::      (v1.5.22.RELEASE)

```

2022-08-09 11:07:45.904 INFO localhost-startStop-1 org.ohdsi.webapi.WebApi - - Starting WebApi on reslnatlasall01.research.chop.edu with PID 2723324 (/opt/apache-tomcat-8.5.71/webapps/WebAPI/WEB-INF/classes started by root in /home/shared/git/OHDSI/WebAPI)

2022-08-09 11:07:45.906 INFO localhost-startStop-1 org.ohdsi.webapi.WebApi - - The following profiles are active: default

2022-08-09 11:07:45.984 INFO localhost-startStop-1 org.springframework.boot.context.embedded.AnnotationConfigEmbeddedWebApplicationContext - - Refreshing

org.springframework.boot.context.embedded.AnnotationConfigEmbeddedWebApplicationContext@3735f9c2: startup date [Tue Aug 09 11:07:45 EDT 2022]; root of context hierarchy

2022-08-09 11:07:46.095 INFO background-preinit org.hibernate.validator.internal.util.Version - - HV000001: Hibernate Validator 5.4.2.Final

2022-08-09 11:07:47.571 INFO localhost-startStop-1 org.springframework.beans.factory.support.DefaultListableBeanFactory - - Overriding bean definition for bean 'jobBuilders' with a different definition: replacing [Root bean: class [null]; scope=; abstract=false; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=org.springframework.batch.core.configuration.annotation.SimpleBatchConfiguration; factoryMethodName=jobBuilders; initMethodName=null; destroyMethodName=(inferred); defined in class path resource [org/springframework/batch/core/configuration/annotation/SimpleBatchConfiguration.class]] with [Root bean: class [null]; scope=; abstract=false; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=true; factoryBeanName=jobConfig; factoryMethodName=jobBuilders; initMethodName=null; destroyMethodName=(inferred); defined in class path resource [org/ohdsi/webapi/JobConfig.class]]

2022-08-09 11:07:47.807 INFO localhost-startStop-1 org.springframework.beans.factory.support.DefaultListableBeanFactory - - Overriding bean definition for bean 'requestContextFilter' with a different definition: replacing [Root bean: class [null]; scope=; abstract=false; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=org.springframework.boot.autoconfigure.jersey.JerseyAutoConfiguration; factoryMethodName=requestContextFilter; initMethodName=null; destroyMethodName=(inferred); defined in class path resource [org/springframework/boot/autoconfigure/jersey/JerseyAutoConfiguration.class]] with [Root bean: class [org.springframework.boot.autoconfigure.web.WebMvcAutoConfiguration\$WebMvcAutoConfigurationAdapter]; scope=; abstract=false; lazyInit=false; autowireMode=3; dependencyCheck=0; autowireCandidate=true; primary=false; factoryBeanName=null; factoryMethodName=requestContextFilter; initMethodName=null; destroyMethodName=(inferred); defined in class path resource [org/springframework/boot/autoconfigure/web/WebMvcAutoConfiguration\$WebMvcAutoConfigurationAdapter.class]]

2022-08-09 11:07:48.092 INFO localhost-startStop-1 org.springframework.integration.config.IntegrationRegistrar - - No bean named

'integrationHeaderChannelRegistry' has been explicitly defined. Therefore, a default DefaultHeaderChannelRegistry will be created.

2022-08-09 11:07:48.475 INFO localhost-startStop-1

org.springframework.integration.config.DefaultConfiguringBeanFactoryPostProcessor -
- No bean named 'errorChannel' has been explicitly defined. Therefore, a default PublishSubscribeChannel will be created.

2022-08-09 11:07:48.494 INFO localhost-startStop-1

org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor
- - JSR-330 'javax.inject.Inject' annotation found and supported for autowiring

2022-08-09 11:07:48.576 INFO localhost-startStop-1

org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostProcessorChecker - - Bean 'converterConfiguration' of type [org.ohdsi.webapi.ConverterConfiguration\$\$EnhancerBySpringCGLIB\$\$2307f3b8] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying)

2022-08-09 11:07:48.608 INFO localhost-startStop-1

org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostProcessorChecker - - Bean 'conversionService' of type [org.springframework.core.convert.support.DefaultConversionService] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying)

2022-08-09 11:07:48.934 INFO localhost-startStop-1

org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostProcessorChecker - - Bean

'org.springframework.transaction.annotation.ProxyTransactionManagementConfiguration' of type [org.springframework.transaction.annotation.ProxyTransactionManagementConfiguration\$\$EnhancerBySpringCGLIB\$\$bc6ccc6c] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying)

2022-08-09 11:07:49.196 INFO localhost-startStop-1

org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostProcessorChecker - - Bean 'shiroConfiguration' of type [org.ohdsi.webapi.ShiroConfiguration\$\$EnhancerBySpringCGLIB\$\$db3267] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying)

2022-08-09 11:07:49.213 INFO localhost-startStop-1

org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostProcessorChecker - - Bean 'flywayConfig' of type [org.ohdsi.webapi.FlywayConfig\$\$EnhancerBySpringCGLIB\$\$bf107ec0] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying)

2022-08-09 11:07:49.934 INFO localhost-startStop-1

org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostProcessorChecker - - Bean 'secondaryDataSource' of type [org.apache.tomcat.jdbc.pool.DataSource] is not eligible for getting processed by all BeanPostProcessors (for example: not eligible for auto-proxying)

2022-08-09 11:07:49.957 INFO localhost-startStop-1

org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostPro

cessorChecker - - Bean
'org.springframework.boot.autoconfigure.jdbc.DataSourceAutoConfiguration' of type
[org.springframework.boot.autoconfigure.jdbc.DataSourceAutoConfiguration\$
\$EnhancerBySpringCGLIB\$\$9e606fcc] is not eligible for getting processed by all
BeanPostProcessors (for example: not eligible for auto-proxying)
2022-08-09 11:07:50.050 INFO localhost-startStop-1
org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostPro
cessorChecker - - Bean 'spring.datasource-
org.springframework.boot.autoconfigure.jdbc.DataSourceProperties' of type
[org.springframework.boot.autoconfigure.jdbc.DataSourceProperties] is not eligible for
getting processed by all BeanPostProcessors (for example: not eligible for auto-
proxying)
2022-08-09 11:07:50.067 INFO localhost-startStop-1
org.springframework.context.support.PostProcessorRegistrationDelegate\$BeanPostPro
cessorChecker - - Bean 'dataSourceInitializer' of type
[org.springframework.boot.autoconfigure.jdbc.DataSourceInitializer] is not eligible for
getting processed by all BeanPostProcessors (for example: not eligible for auto-
proxying)
2022-08-09 11:07:50.195 INFO localhost-startStop-1
org.flywaydb.core.internal.util.VersionPrinter - - Flyway 4.2.0 by Boxfuse
2022-08-09 11:07:50.949 INFO localhost-startStop-1
org.flywaydb.core.internal.dbsupport.DbSupportFactory - - Database: jdbc:postgresql://
reslnpbddb01.research.chop.edu:5432/ohdsi?ssl=true&sslmode=require (PostgreSQL
13.7)
2022-08-09 11:07:51.306 INFO localhost-startStop-1
org.flywaydb.core.internal.command.DbMigrate - - Current version of schema "webapi":
2.8.0.20200127101702
2022-08-09 11:07:51.306 WARN localhost-startStop-1
org.flywaydb.core.internal.command.DbMigrate - - outOfOrder mode is active.
Migration of schema "webapi" may not be reproducible.
2022-08-09 11:07:51.313 INFO localhost-startStop-1
org.flywaydb.core.internal.command.DbMigrate - - Migrating schema "webapi" to
version 2.8.0.20200109100200 - cohort sample tables [out of order]
2022-08-09 11:07:51.508 ERROR localhost-startStop-1
org.flywaydb.core.internal.command.DbMigrate - - Migration of schema "webapi" to
version 2.8.0.20200109100200 - cohort sample tables [out of order] failed! Changes
successfully rolled back.
2022-08-09 11:07:51.518 WARN localhost-startStop-1
org.springframework.boot.context.embedded.AnnotationConfigEmbeddedWebApplicati
onContext - - Exception encountered during context initialization - cancelling refresh
attempt: org.springframework.beans.factory.UnsatisfiedDependencyException: Error
creating bean with name 'shiroFilter' defined in class path resource [org/ohdsi/webapi/
ShiroConfiguration.class]: Unsatisfied dependency expressed through method
'shiroFilter' parameter 0; nested exception is
org.springframework.beans.factory.BeanCreationException: Error creating bean with
name 'flyway' defined in class path resource [org/ohdsi/webapi/FlywayConfig.class]:
Invocation of init method failed; nested exception is

org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSQLException:
Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/

webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

Statement : CREATE TABLE webapi.cohort_sample(
id INTEGER PRIMARY KEY NOT NULL,
name VARCHAR(255) NOT NULL,
cohort_definition_id INTEGER NOT NULL,
source_id INTEGER NOT NULL,
size INTEGER NOT NULL,
age_min SMALLINT NULL,
age_max SMALLINT NULL,
age_mode VARCHAR(24),
gender_concept_ids VARCHAR(255) NULL,
created_by_id INTEGER,
created_date TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),
modified_by_id INTEGER,
modified_date TIMESTAMP WITH TIME ZONE,
CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,
CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
REFERENCES webapi.source (source_id) ON DELETE CASCADE
)

2022-08-09 11:07:51.529 INFO localhost-startStop-1

org.springframework.boot.autoconfigure.logging.AutoConfigurationReportLoggingInitiali
zer - -

Error starting ApplicationContext. To display the auto-configuration report re-run your
application with 'debug' enabled.

2022-08-09 11:07:51.533 ERROR localhost-startStop-1

org.springframework.boot.SpringApplication - - Application startup failed

org.springframework.beans.factory.UnsatisfiedDependencyException: Error creating
bean with name 'shiroFilter' defined in class path resource [org/ohdsi/webapi/
ShiroConfiguration.class]: Unsatisfied dependency expressed through method
'shiroFilter' parameter 0; nested exception is

org.springframework.beans.factory.BeanCreationException: Error creating bean with
name 'flyway' defined in class path resource [org/ohdsi/webapi/FlywayConfig.class]:
Invocation of init method failed; nested exception is

org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSQLException:
Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/

webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

Statement : CREATE TABLE webapi.cohort_sample(
id INTEGER PRIMARY KEY NOT NULL,
name VARCHAR(255) NOT NULL,
cohort_definition_id INTEGER NOT NULL,
source_id INTEGER NOT NULL,
size INTEGER NOT NULL,
age_min SMALLINT NULL,
age_max SMALLINT NULL,
age_mode VARCHAR(24),
gender_concept_ids VARCHAR(255) NULL,
created_by_id INTEGER,
created_date TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),
modified_by_id INTEGER,
modified_date TIMESTAMP WITH TIME ZONE,
CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,
CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
REFERENCES webapi.source (source_id) ON DELETE CASCADE
)

at

org.springframework.beans.factory.support.ConstructorResolver.createArgumentArray(
ConstructorResolver.java:749)

at

org.springframework.beans.factory.support.ConstructorResolver.instantiateUsingFactory
Method(ConstructorResolver.java:467)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.insta
ntiateUsingFactoryMethod(AbstractAutowireCapableBeanFactory.java:1177)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.creat
eBeanInstance(AbstractAutowireCapableBeanFactory.java:1072)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCr
eateBean(AbstractAutowireCapableBeanFactory.java:511)

at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:481)
at
org.springframework.beans.factory.support.AbstractBeanFactory\$1.getObject(AbstractBeanFactory.java:312)
at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:230)
at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:308)
at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:202)
at
org.springframework.context.support.PostProcessorRegistrationDelegate.registerBeanPostProcessors(PostProcessorRegistrationDelegate.java:237)
at
org.springframework.context.support.AbstractApplicationContext.registerBeanPostProcessors(AbstractApplicationContext.java:703)
at
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:527)
at
org.springframework.boot.context.embedded.EmbeddedWebApplicationContext.refresh(EmbeddedWebApplicationContext.java:123)
at
org.springframework.boot.SpringApplication.refresh(SpringApplication.java:666)
at
org.springframework.boot.SpringApplication.refreshContext(SpringApplication.java:353)
at org.springframework.boot.SpringApplication.run(SpringApplication.java:300)
at
org.springframework.boot.web.support.SpringBootServletInitializer.run(SpringBootServletInitializer.java:151)
at
org.springframework.boot.web.support.SpringBootServletInitializer.createRootApplicationContext(SpringBootServletInitializer.java:131)
at
org.springframework.boot.web.support.SpringBootServletInitializer.onStartup(SpringBootServletInitializer.java:91)
at
org.springframework.web.SpringServletContainerInitializer.onStartup(SpringServletContainerInitializer.java:169)
at
org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5221)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:183)


```
at
org.apache.catalina.core.ContainerBase.addChildInternal(ContainerBase.java:753)
  at org.apache.catalina.core.ContainerBase.addChild(ContainerBase.java:727)
  at org.apache.catalina.core.StandardHost.addChild(StandardHost.java:695)
  at org.apache.catalina.startup.HostConfig.deployWAR(HostConfig.java:1016)
  at org.apache.catalina.startup.HostConfig$DeployWar.run(HostConfig.java:1903)
  at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:511)
  at java.util.concurrent.FutureTask.run(FutureTask.java:266)
```

```
at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
```

```
at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
  at java.lang.Thread.run(Thread.java:750)
```

Caused by: org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'flyway' defined in class path resource [org/ohdsi/webapi/FlywayConfig.class]: Invocation of init method failed; nested exception is org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSqlException: Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/

webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

Statement : CREATE TABLE webapi.cohort_sample(
 id INTEGER PRIMARY KEY NOT NULL,
 name VARCHAR(255) NOT NULL,
 cohort_definition_id INTEGER NOT NULL,
 source_id INTEGER NOT NULL,
 size INTEGER NOT NULL,
 age_min SMALLINT NULL,
 age_max SMALLINT NULL,
 age_mode VARCHAR(24),
 gender_concept_ids VARCHAR(255) NULL,
 created_by_id INTEGER,
 created_date TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),
 modified_by_id INTEGER,
 modified_date TIMESTAMP WITH TIME ZONE,
 CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
 REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,
 CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
 REFERENCES webapi.source (source_id) ON DELETE CASCADE
)

at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1630)
at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:553)
at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:481)
at
org.springframework.beans.factory.support.AbstractBeanFactory\$1.getObject(AbstractBeanFactory.java:312)
at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:230)
at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:308)
at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:197)
at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:297)
at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:202)
at
org.springframework.beans.factory.config.DependencyDescriptor.resolveCandidate(DependencyDescriptor.java:211)
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java:1131)
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java:1059)
at
org.springframework.beans.factory.support.ConstructorResolver.resolveAutowiredArgument(ConstructorResolver.java:835)
at
org.springframework.beans.factory.support.ConstructorResolver.createArgumentArray(ConstructorResolver.java:741)
... 32 more

Caused by:

org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSQLException:
Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/

webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

```
Statement : CREATE TABLE webapi.cohort_sample(  
  id          INTEGER PRIMARY KEY NOT NULL,  
  name        VARCHAR(255) NOT NULL,  
  cohort_definition_id INTEGER NOT NULL,  
  source_id   INTEGER NOT NULL,  
  size        INTEGER NOT NULL,  
  age_min     SMALLINT NULL,  
  age_max     SMALLINT NULL,  
  age_mode    VARCHAR(24),  
  gender_concept_ids VARCHAR(255) NULL,  
  created_by_id INTEGER,  
  created_date  TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),  
  modified_by_id INTEGER,  
  modified_date  TIMESTAMP WITH TIME ZONE,  
  CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)  
    REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,  
  CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)  
    REFERENCES webapi.source (source_id) ON DELETE CASCADE  
)
```

```
    at  
org.flywaydb.core.internal.command.DbMigrate.doMigrateGroup(DbMigrate.java:345)  
    at  
org.flywaydb.core.internal.command.DbMigrate.access$900(DbMigrate.java:53)  
    at org.flywaydb.core.internal.command.DbMigrate$4.call(DbMigrate.java:276)  
    at  
org.flywaydb.core.internal.util.jdbc.TransactionTemplate.execute(TransactionTemplate.j  
ava:75)  
    at  
org.flywaydb.core.internal.command.DbMigrate.applyMigrations(DbMigrate.java:273)  
    at  
org.flywaydb.core.internal.command.DbMigrate.access$800(DbMigrate.java:53)  
    at org.flywaydb.core.internal.command.DbMigrate$2.call(DbMigrate.java:210)  
    at org.flywaydb.core.internal.command.DbMigrate$2.call(DbMigrate.java:146)  
    at  
org.flywaydb.core.internal.dbsupport.postgresql.PostgreSQLAdvisoryLockTemplate.exe  
cute(PostgreSQLAdvisoryLockTemplate.java:68)
```

```
    at
org.flywaydb.core.internal.dbsupport.postgresql.PostgreSQLDbSupport.lock(PostgreSQLDbSupport.java:162)
    at
org.flywaydb.core.internal.metadatatable.MetadataTableImpl.lock(MetadataTableImpl.java:174)
    at org.flywaydb.core.internal.command.DbMigrate.migrate(DbMigrate.java:146)
    at org.flywaydb.core.Flyway$1.execute(Flyway.java:1010)
    at org.flywaydb.core.Flyway$1.execute(Flyway.java:971)
    at org.flywaydb.core.Flyway.execute(Flyway.java:1464)
    at org.flywaydb.core.Flyway.migrate(Flyway.java:971)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeCustomInitMethod(AbstractAutowireCapableBeanFactory.java:1759)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1696)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1626)
    ... 45 more
Caused by: org.postgresql.util.PSQLException: ERROR: there is no unique constraint matching given keys for referenced table "source"
    at
org.postgresql.core.v3.QueryExecutorImpl.receiveErrorResponse(QueryExecutorImpl.java:2553)
    at
org.postgresql.core.v3.QueryExecutorImpl.processResults(QueryExecutorImpl.java:2285)
    at
org.postgresql.core.v3.QueryExecutorImpl.execute(QueryExecutorImpl.java:323)
    at org.postgresql.jdbc.PgStatement.executeInternal(PgStatement.java:473)
    at org.postgresql.jdbc.PgStatement.execute(PgStatement.java:393)
    at org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:322)
    at org.postgresql.jdbc.PgStatement.executeCachedSql(PgStatement.java:308)
    at org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:284)
    at org.postgresql.jdbc.PgStatement.execute(PgStatement.java:279)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
```

```
    at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java
:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at
org.apache.tomcat.jdbc.pool.StatementFacade$StatementProxy.invoke(StatementFaca
de.java:114)
    at com.sun.proxy.$Proxy92.execute(Unknown Source)
    at
org.flywaydb.core.internal.dbsupport.JdbcTemplate.executeStatement(JdbcTemplate.jav
a:267)
    at org.flywaydb.core.internal.dbsupport.SqlScript.execute(SqlScript.java:142)
    at
org.flywaydb.core.internal.resolver.sql.SqlMigrationExecutor.execute(SqlMigrationExecu
tor.java:76)
    at
org.flywaydb.core.internal.command.DbMigrate.doMigrateGroup(DbMigrate.java:343)
    ... 67 more
09-Aug-2022 11:07:51.538 SEVERE [localhost-startStop-1]
org.apache.catalina.core.ContainerBase.addChildInternal ContainerBase.addChild:
start:
    org.apache.catalina.LifecycleException: Failed to start component
[StandardEngine[Catalina].StandardHost[localhost].StandardContext[/WebAPI]]
    at
org.apache.catalina.util.LifecycleBase.handleSubClassException(LifecycleBase.java:44
0)
        at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:198)
        at
org.apache.catalina.core.ContainerBase.addChildInternal(ContainerBase.java:753)
        at
org.apache.catalina.core.ContainerBase.addChild(ContainerBase.java:727)
        at
org.apache.catalina.core.StandardHost.addChild(StandardHost.java:695)
        at
org.apache.catalina.startup.HostConfig.deployWAR(HostConfig.java:1016)
        at
org.apache.catalina.startup.HostConfig$DeployWar.run(HostConfig.java:1903)
        at
java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:511)
        at java.util.concurrent.FutureTask.run(FutureTask.java:266)
        at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
        at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
        at java.lang.Thread.run(Thread.java:750)
    Caused by:
org.springframework.beans.factory.UnsatisfiedDependencyException: Error creating
```

bean with name 'shiroFilter' defined in class path resource [org/ohdsi/webapi/ShiroConfiguration.class]: Unsatisfied dependency expressed through method 'shiroFilter' parameter 0; nested exception is org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'flyway' defined in class path resource [org/ohdsi/webapi/FlywayConfig.class]: Invocation of init method failed; nested exception is org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSqlException: Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/

webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

Statement : CREATE TABLE webapi.cohort_sample(
id INTEGER PRIMARY KEY NOT NULL,
name VARCHAR(255) NOT NULL,
cohort_definition_id INTEGER NOT NULL,
source_id INTEGER NOT NULL,
size INTEGER NOT NULL,
age_min SMALLINT NULL,
age_max SMALLINT NULL,
age_mode VARCHAR(24),
gender_concept_ids VARCHAR(255) NULL,
created_by_id INTEGER,
created_date TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),
modified_by_id INTEGER,
modified_date TIMESTAMP WITH TIME ZONE,
CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,
CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
REFERENCES webapi.source (source_id) ON DELETE CASCADE
)

at

org.springframework.beans.factory.support.ConstructorResolver.createArgumentArray(
ConstructorResolver.java:749)

at

org.springframework.beans.factory.support.ConstructorResolver.instantiateUsingFactory
Method(ConstructorResolver.java:467)

at

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.insta
ntiateUsingFactoryMethod(AbstractAutowireCapableBeanFactory.java:1177)

at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBeanInstance(AbstractAutowireCapableBeanFactory.java:1072)
at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:511)
at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:481)
at
org.springframework.beans.factory.support.AbstractBeanFactory\$1.getObject(AbstractBeanFactory.java:312)
at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:230)
at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:308)
at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:202)
at
org.springframework.context.support.PostProcessorRegistrationDelegate.registerBeanPostProcessors(PostProcessorRegistrationDelegate.java:237)
at
org.springframework.context.support.AbstractApplicationContext.registerBeanPostProcessors(AbstractApplicationContext.java:703)
at
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:527)
at
org.springframework.boot.context.embedded.EmbeddedWebApplicationContext.refresh(EmbeddedWebApplicationContext.java:123)
at
org.springframework.boot.SpringApplication.refresh(SpringApplication.java:666)
at
org.springframework.boot.SpringApplication.refreshContext(SpringApplication.java:353)
at
org.springframework.boot.SpringApplication.run(SpringApplication.java:300)
at
org.springframework.boot.web.support.SpringBootServletInitializer.run(SpringBootServletInitializer.java:151)
at
org.springframework.boot.web.support.SpringBootServletInitializer.createRootApplicationContext(SpringBootServletInitializer.java:131)
at
org.springframework.boot.web.support.SpringBootServletInitializer.onStartup(SpringBoo

```
tServletInitializer.java:91)
    at
org.springframework.web.SpringServletContainerInitializer.onStartup(SpringServletCont
ainerInitializer.java:169)
    at
org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5221)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:183)
    ... 10 more
```

Caused by: org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'flyway' defined in class path resource [org/ohdsi/webapi/FlywayConfig.class]: Invocation of init method failed; nested exception is org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSqlException: Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

```
-----
SQL State : 42830
Error Code : 0
Message : ERROR: there is no unique constraint matching given keys for referenced table "source"
Location : db/migration/postgresql/
V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/
webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/
V2.8.0.20200109100200__cohort_sample_tables.sql)
Line : 3
Statement : CREATE TABLE webapi.cohort_sample(
    id          INTEGER PRIMARY KEY NOT NULL,
    name        VARCHAR(255) NOT NULL,
    cohort_definition_id INTEGER NOT NULL,
    source_id   INTEGER NOT NULL,
    size        INTEGER NOT NULL,
    age_min     SMALLINT NULL,
    age_max     SMALLINT NULL,
    age_mode    VARCHAR(24),
    gender_concept_ids VARCHAR(255) NULL,
    created_by_id INTEGER,
    created_date  TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),
    modified_by_id INTEGER,
    modified_date  TIMESTAMP WITH TIME ZONE,
    CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
        REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,
    CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
        REFERENCES webapi.source (source_id) ON DELETE CASCADE
)
```

```
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initiali
zeBean(AbstractAutowireCapableBeanFactory.java:1630)
    at
```



```
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:553)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:481)
    at
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:312)
    at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:230)
    at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:308)
    at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:197)
    at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:297)
    at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:202)
    at
org.springframework.beans.factory.config.DependencyDescriptor.resolveCandidate(DependencyDescriptor.java:211)
    at
org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java:1131)
    at
org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java:1059)
    at
org.springframework.beans.factory.support.ConstructorResolver.resolveAutowiredArgument(ConstructorResolver.java:835)
    at
org.springframework.beans.factory.support.ConstructorResolver.createArgumentArray(ConstructorResolver.java:741)
    ... 32 more
```

Caused by:

```
org.flywaydb.core.internal.command.DbMigrate$FlywayMigrateSQLException:
Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed
```

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/
V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/
webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/
V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

```
Statement : CREATE TABLE webapi.cohort_sample(  
  id          INTEGER PRIMARY KEY NOT NULL,  
  name        VARCHAR(255) NOT NULL,  
  cohort_definition_id INTEGER NOT NULL,  
  source_id   INTEGER NOT NULL,  
  size        INTEGER NOT NULL,  
  age_min     SMALLINT NULL,  
  age_max     SMALLINT NULL,  
  age_mode    VARCHAR(24),  
  gender_concept_ids VARCHAR(255) NULL,  
  created_by_id INTEGER,  
  created_date  TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),  
  modified_by_id INTEGER,  
  modified_date  TIMESTAMP WITH TIME ZONE,  
  CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)  
    REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,  
  CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)  
    REFERENCES webapi.source (source_id) ON DELETE CASCADE  
)
```

```
      at  
org.flywaydb.core.internal.command.DbMigrate.doMigrateGroup(DbMigrate.java:345)  
      at  
org.flywaydb.core.internal.command.DbMigrate.access$900(DbMigrate.java:53)  
      at  
org.flywaydb.core.internal.command.DbMigrate$4.call(DbMigrate.java:276)  
      at  
org.flywaydb.core.internal.util.jdbc.TransactionTemplate.execute(TransactionTemplate.j  
ava:75)  
      at  
org.flywaydb.core.internal.command.DbMigrate.applyMigrations(DbMigrate.java:273)  
      at  
org.flywaydb.core.internal.command.DbMigrate.access$800(DbMigrate.java:53)  
      at  
org.flywaydb.core.internal.command.DbMigrate$2.call(DbMigrate.java:210)  
      at  
org.flywaydb.core.internal.command.DbMigrate$2.call(DbMigrate.java:146)  
      at  
org.flywaydb.core.internal.dbsupport.postgresql.PostgreSQLAdvisoryLockTemplate.exe  
cute(PostgreSQLAdvisoryLockTemplate.java:68)  
      at  
org.flywaydb.core.internal.dbsupport.postgresql.PostgreSQLDbSupport.lock(PostgreSQ
```

```
LDbSupport.java:162)
    at
org.flywaydb.core.internal.metadatatable.MetadataTableImpl.lock(MetadataTableImpl.java:174)
    at
org.flywaydb.core.internal.command.DbMigrate.migrate(DbMigrate.java:146)
    at org.flywaydb.core.Flyway$1.execute(Flyway.java:1010)
    at org.flywaydb.core.Flyway$1.execute(Flyway.java:971)
    at org.flywaydb.core.Flyway.execute(Flyway.java:1464)
    at org.flywaydb.core.Flyway.migrate(Flyway.java:971)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeCustomInitMethod(AbstractAutowireCapableBeanFactory.java:1759)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1696)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1626)
    ... 45 more
    Caused by: org.postgresql.util.PSQLException: ERROR: there is no unique constraint matching given keys for referenced table "source"
    at
org.postgresql.core.v3.QueryExecutorImpl.receiveErrorResponse(QueryExecutorImpl.java:2553)
    at
org.postgresql.core.v3.QueryExecutorImpl.processResults(QueryExecutorImpl.java:2285)
    at
org.postgresql.core.v3.QueryExecutorImpl.execute(QueryExecutorImpl.java:323)
    at
org.postgresql.jdbc.PgStatement.executeInternal(PgStatement.java:473)
    at org.postgresql.jdbc.PgStatement.execute(PgStatement.java:393)
    at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:322)
    at
org.postgresql.jdbc.PgStatement.executeCachedSql(PgStatement.java:308)
    at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:284)
    at org.postgresql.jdbc.PgStatement.execute(PgStatement.java:279)
```

```
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java
:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tomcat.jdbc.pool.StatementFacade$StatementProxy.invoke(StatementFaca
de.java:114)
        at com.sun.proxy.$Proxy92.execute(Unknown Source)
        at
org.flywaydb.core.internal.dbsupport.JdbcTemplate.executeStatement(JdbcTemplate.jav
a:267)
        at
org.flywaydb.core.internal.dbsupport.SqlScript.execute(SqlScript.java:142)
        at
org.flywaydb.core.internal.resolver.sql.SqlMigrationExecutor.execute(SqlMigrationExecu
tor.java:76)
        at
org.flywaydb.core.internal.command.DbMigrate.doMigrateGroup(DbMigrate.java:343)
        ... 67 more
09-Aug-2022 11:07:51.539 SEVERE [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployWAR Error deploying web application
archive [/opt/apache-tomcat-8.5.71/webapps/WebAPI.war]
    java.lang.IllegalStateException: Error starting child
        at
org.apache.catalina.core.ContainerBase.addChildInternal(ContainerBase.java:757)
        at
org.apache.catalina.core.ContainerBase.addChild(ContainerBase.java:727)
        at
org.apache.catalina.core.StandardHost.addChild(StandardHost.java:695)
        at
org.apache.catalina.startup.HostConfig.deployWAR(HostConfig.java:1016)
        at
org.apache.catalina.startup.HostConfig$DeployWar.run(HostConfig.java:1903)
        at
java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:511)
        at java.util.concurrent.FutureTask.run(FutureTask.java:266)
        at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
        at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
        at java.lang.Thread.run(Thread.java:750)
    Caused by: org.apache.catalina.LifecycleException: Failed to start component
[StandardEngine[Catalina].StandardHost[localhost].StandardContext[/WebAPI]]
        at
```

org.apache.catalina.util.LifecycleBase.handleSubClassException(LifecycleBase.java:440)

at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:198)

at

org.apache.catalina.core.ContainerBase.addChildInternal(ContainerBase.java:753)

... 9 more

Caused by:

org.springframework.beans.factory.UnsatisfiedDependencyException: Error creating bean with name 'shiroFilter' defined in class path resource [org/ohdsi/webapi/ShiroConfiguration.class]: Unsatisfied dependency expressed through method 'shiroFilter' parameter 0; nested exception is

org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'flyway' defined in class path resource [org/ohdsi/webapi/FlywayConfig.class]: Invocation of init method failed; nested exception is

org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSqlException: Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/

webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

Statement : CREATE TABLE webapi.cohort_sample(
id INTEGER PRIMARY KEY NOT NULL,

name VARCHAR(255) NOT NULL,
cohort_definition_id INTEGER NOT NULL,

source_id INTEGER NOT NULL,
size INTEGER NOT NULL,

age_min SMALLINT NULL,
age_max SMALLINT NULL,

age_mode VARCHAR(24),
gender_concept_ids VARCHAR(255) NULL,

created_by_id INTEGER,
created_date TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),

modified_by_id INTEGER,
modified_date TIMESTAMP WITH TIME ZONE,

CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,

CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
REFERENCES webapi.source (source_id) ON DELETE CASCADE

)

at

```
org.springframework.beans.factory.support.ConstructorResolver.createArgumentArray(  
ConstructorResolver.java:749)  
    at  
org.springframework.beans.factory.support.ConstructorResolver.instantiateUsingFactory  
Method(ConstructorResolver.java:467)  
    at  
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.insta  
ntiateUsingFactoryMethod(AbstractAutowireCapableBeanFactory.java:1177)  
    at  
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.creat  
eBeanInstance(AbstractAutowireCapableBeanFactory.java:1072)  
    at  
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCr  
eateBean(AbstractAutowireCapableBeanFactory.java:511)  
    at  
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.creat  
eBean(AbstractAutowireCapableBeanFactory.java:481)  
    at  
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractB  
eanFactory.java:312)  
    at  
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(  
DefaultSingletonBeanRegistry.java:230)  
    at  
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractB  
eanFactory.java:308)  
    at  
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBean  
Factory.java:202)  
    at  
org.springframework.context.support.PostProcessorRegistrationDelegate.registerBeanP  
ostProcessors(PostProcessorRegistrationDelegate.java:237)  
    at  
org.springframework.context.support.AbstractApplicationContext.registerBeanPostProc  
essors(AbstractApplicationContext.java:703)  
    at  
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplic  
ationContext.java:527)  
    at  
org.springframework.boot.context.embedded.EmbeddedWebApplicationContext.refresh  
(EmbeddedWebApplicationContext.java:123)  
    at  
org.springframework.boot.SpringApplication.refresh(SpringApplication.java:666)  
    at  
org.springframework.boot.SpringApplication.refreshContext(SpringApplication.java:353)  
    at  
org.springframework.boot.SpringApplication.run(SpringApplication.java:300)
```

```
at
org.springframework.boot.web.support.SpringBootServletInitializer.run(SpringBootServletInitializer.java:151)
at
org.springframework.boot.web.support.SpringBootServletInitializer.createRootApplicationContext(SpringBootServletInitializer.java:131)
at
org.springframework.boot.web.support.SpringBootServletInitializer.onStartup(SpringBootServletInitializer.java:91)
at
org.springframework.web.SpringServletContainerInitializer.onStartup(SpringServletContainerInitializer.java:169)
at
org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5221)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:183)
... 10 more
```

Caused by: org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'flyway' defined in class path resource [org/ohdsi/webapi/FlywayConfig.class]: Invocation of init method failed; nested exception is org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSQLException: Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

Statement : CREATE TABLE webapi.cohort_sample(
id INTEGER PRIMARY KEY NOT NULL,
name VARCHAR(255) NOT NULL,
cohort_definition_id INTEGER NOT NULL,
source_id INTEGER NOT NULL,
size INTEGER NOT NULL,
age_min SMALLINT NULL,
age_max SMALLINT NULL,
age_mode VARCHAR(24),
gender_concept_ids VARCHAR(255) NULL,
created_by_id INTEGER,
created_date TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),
modified_by_id INTEGER,
modified_date TIMESTAMP WITH TIME ZONE,
CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,

```
CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
REFERENCES webapi.source (source_id) ON DELETE CASCADE
)
```

```
at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1630)
at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:553)
at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:481)
at
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:312)
at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:230)
at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:308)
at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:197)
at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:297)
at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:202)
at
org.springframework.beans.factory.config.DependencyDescriptor.resolveCandidate(DependencyDescriptor.java:211)
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java:1131)
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java:1059)
at
org.springframework.beans.factory.support.ConstructorResolver.resolveAutowiredArgument(ConstructorResolver.java:835)
at
org.springframework.beans.factory.support.ConstructorResolver.createArgumentArray(ConstructorResolver.java:741)
... 32 more
```


Caused by:
org.flywaydb.core.internal.command.DbMigrate\$FlywayMigrateSQLException:
Migration V2.8.0.20200109100200__cohort_sample_tables.sql failed

SQL State : 42830

Error Code : 0

Message : ERROR: there is no unique constraint matching given keys for referenced table "source"

Location : db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql (/opt/apache-tomcat-8.5.71/

webapps/WebAPI/WEB-INF/classes/db/migration/postgresql/

V2.8.0.20200109100200__cohort_sample_tables.sql)

Line : 3

Statement : CREATE TABLE webapi.cohort_sample(
id INTEGER PRIMARY KEY NOT NULL,
name VARCHAR(255) NOT NULL,
cohort_definition_id INTEGER NOT NULL,
source_id INTEGER NOT NULL,
size INTEGER NOT NULL,
age_min SMALLINT NULL,
age_max SMALLINT NULL,
age_mode VARCHAR(24),
gender_concept_ids VARCHAR(255) NULL,
created_by_id INTEGER,
created_date TIMESTAMP WITH TIME ZONE NOT NULL DEFAULT (now()),
modified_by_id INTEGER,
modified_date TIMESTAMP WITH TIME ZONE,
CONSTRAINT fk_cohort_sample_definition_id FOREIGN KEY (cohort_definition_id)
REFERENCES webapi.cohort_definition (id) ON DELETE CASCADE,
CONSTRAINT fk_cohort_sample_source_id FOREIGN KEY (source_id)
REFERENCES webapi.source (source_id) ON DELETE CASCADE
)

at
org.flywaydb.core.internal.command.DbMigrate.doMigrateGroup(DbMigrate.java:345)
at
org.flywaydb.core.internal.command.DbMigrate.access\$900(DbMigrate.java:53)
at
org.flywaydb.core.internal.command.DbMigrate\$4.call(DbMigrate.java:276)
at
org.flywaydb.core.internal.util.jdbc.TransactionTemplate.execute(TransactionTemplate.java:75)
at
org.flywaydb.core.internal.command.DbMigrate.applyMigrations(DbMigrate.java:273)
at
org.flywaydb.core.internal.command.DbMigrate.access\$800(DbMigrate.java:53)
at

```
org.flywaydb.core.internal.command.DbMigrate$2.call(DbMigrate.java:210)
    at
org.flywaydb.core.internal.command.DbMigrate$2.call(DbMigrate.java:146)
    at
org.flywaydb.core.internal.dbsupport.postgresql.PostgreSQLAdvisoryLockTemplate.execute(PostgreSQLAdvisoryLockTemplate.java:68)
    at
org.flywaydb.core.internal.dbsupport.postgresql.PostgreSQLDbSupport.lock(PostgreSQLDbSupport.java:162)
    at
org.flywaydb.core.internal.metadatatable.MetadataTableImpl.lock(MetadataTableImpl.java:174)
    at
org.flywaydb.core.internal.command.DbMigrate.migrate(DbMigrate.java:146)
    at org.flywaydb.core.Flyway$1.execute(Flyway.java:1010)
    at org.flywaydb.core.Flyway$1.execute(Flyway.java:971)
    at org.flywaydb.core.Flyway.execute(Flyway.java:1464)
    at org.flywaydb.core.Flyway.migrate(Flyway.java:971)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeCustomInitMethod(AbstractAutowireCapableBeanFactory.java:1759)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1696)
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1626)
    ... 45 more
    Caused by: org.postgresql.util.PSQLException: ERROR: there is no unique constraint matching given keys for referenced table "source"
    at
org.postgresql.core.v3.QueryExecutorImpl.receiveErrorResponse(QueryExecutorImpl.java:2553)
    at
org.postgresql.core.v3.QueryExecutorImpl.processResults(QueryExecutorImpl.java:2285)
    at
org.postgresql.core.v3.QueryExecutorImpl.execute(QueryExecutorImpl.java:323)
    at
org.postgresql.jdbc.PgStatement.executeInternal(PgStatement.java:473)
```

```
        at org.postgresql.jdbc.PgStatement.execute(PgStatement.java:393)
        at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:322)
        at
org.postgresql.jdbc.PgStatement.executeCachedSql(PgStatement.java:308)
        at
org.postgresql.jdbc.PgStatement.executeWithFlags(PgStatement.java:284)
        at org.postgresql.jdbc.PgStatement.execute(PgStatement.java:279)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java
:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.apache.tomcat.jdbc.pool.StatementFacade$StatementProxy.invoke(StatementFaca
de.java:114)
        at com.sun.proxy.$Proxy92.execute(Unknown Source)
        at
org.flywaydb.core.internal.dbsupport.JdbcTemplate.executeStatement(JdbcTemplate.jav
a:267)
        at
org.flywaydb.core.internal.dbsupport.SqlScript.execute(SqlScript.java:142)
        at
org.flywaydb.core.internal.resolver.sql.SqlMigrationExecutor.execute(SqlMigrationExecu
tor.java:76)
        at
org.flywaydb.core.internal.command.DbMigrate.doMigrateGroup(DbMigrate.java:343)
        ... 67 more
09-Aug-2022 11:07:51.542 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployWAR Deployment of web application
archive [/opt/apache-tomcat-8.5.71/webapps/WebAPI.war] has finished in [16,587] ms
09-Aug-2022 11:07:51.542 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application
directory [/opt/apache-tomcat-8.5.71/webapps/ROOT]
09-Aug-2022 11:07:51.572 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application
directory [/opt/apache-tomcat-8.5.71/webapps/ROOT] has finished in [30] ms
09-Aug-2022 11:07:51.572 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application
directory [/opt/apache-tomcat-8.5.71/webapps/docs]
09-Aug-2022 11:07:51.582 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application
directory [/opt/apache-tomcat-8.5.71/webapps/docs] has finished in [10] ms
09-Aug-2022 11:07:51.583 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application
```

directory [/opt/apache-tomcat-8.5.71/webapps/examples]
09-Aug-2022 11:07:51.753 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application
directory [/opt/apache-tomcat-8.5.71/webapps/examples] has finished in [170] ms
09-Aug-2022 11:07:51.753 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application
directory [/opt/apache-tomcat-8.5.71/webapps/host-manager]
09-Aug-2022 11:07:51.769 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application
directory [/opt/apache-tomcat-8.5.71/webapps/host-manager] has finished in [15] ms
09-Aug-2022 11:07:51.769 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application
directory [/opt/apache-tomcat-8.5.71/webapps/manager]
09-Aug-2022 11:07:51.780 INFO [localhost-startStop-1]
org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application
directory [/opt/apache-tomcat-8.5.71/webapps/manager] has finished in [11] ms
09-Aug-2022 11:07:51.809 INFO [main] org.apache.coyote.AbstractProtocol.start
Starting ProtocolHandler ["https-jsse-nio-8443"]
09-Aug-2022 11:07:51.820 INFO [main] org.apache.catalina.startup.Catalina.start
Server startup in 16930 ms