Outputting the Results



Michael Hoffman

DEVELOPER AND PLURALSIGHT AUTHOR

@mhi_inc github.com/michaelhoffmantech



01022018000000_create_patient_objects.xml

New file in resource folder resources/config/liquibase/changelog





Demo 19 - Adding the patient database schema to the Liquibase change log



JPAltemWriter

Leverages EntityManager

Transactions



```
@Bean
@StepScope
public JpaItemWriter<PatientEntity> writer() {
    JpaItemWriter<PatientEntity> writer = new JpaItemWriter<>();
    writer.setEntityManagerFactory(batchEntityManagerFactory);
    return writer;
}
```

BatchJobConfiguration.java

Package com.pluralsight.springbatch.patientbatchloader.config





Demo 20 - Implementing the JPA item writer



BatchJobConfigurationTest

```
@Test
public void testWriter() throws Exception {
     PatientEntity entity = new PatientEntity( ... );
     StepExecution execution = MetaDataInstanceFactory.createStepExecution();
     StepScopeTestUtils.doInStepScope(execution, () -> {
           writer.write(Arrays.asList(entity));
           return null;
     });
     assertTrue(patientRepository.findAll().size() > 0);
```





Demo 21 - Testing the item writer





Demo 22 - Executing the job with the item writer



Summary



Added a Liquibase change log
Implemented a JPA item writer
Tested the item writer



Thank you!

