

Industrial strength Java/JEE Career Companion to open more doors

[Home](#)
[Java FAQs](#)
[600+ Java Q&As](#)
[Career](#)
[Tutorials](#)
[Member](#)
[Why?](#)
[Can u Debug?](#)
[Java 8 ready?](#)
[Top X](#)
[Productivity Tools](#)
[Judging Experience?](#)

[Home](#) › [Interview](#) › [Spring, Hibernate, & Maven Interview Q&A](#) › [Hibernate](#) › 10:

Spring, JavaConfig (i.e @Configuration), JPA & Hibernate by example

10: Spring, JavaConfig (i.e @Configuration), JPA & Hibernate by example

Posted on [October 22, 2015](#) by [Arulkumaran Kumaraswamipillai](#)

0
Like
Share

Tweet

0
G+1
Share

Example #1 Wiring JDBC Datasource

```

1
2 @Configuration
3 @ImportResource("application.yml")
4 public class AppConfig
5 {
6     @Autowired
7     private Environment environment;
8
9     @Bean
10    public DriverManagerDataSource datasource()
11    {
12        DriverManagerDataSource ds = new DriverManagerDataSource();
13        ds.setDriverClassName(environment.getRequiredProperty("driverClassName"));
14        ds.setUrl(environment.getRequiredProperty("url"));
15    }
16 }
```

600+ Full Stack Java/JEE Interview Q&As ♥Free ♦FAQs

[open all](#) | [close all](#)

[Ice Breaker Interview](#)

[Core Java Interview C](#)

[JEE Interview Q&A \(3](#)

[JEE Overview \(2\)](#)

[Web basics \(8\)](#)

[WebService \(11\)](#)

[JPA \(2\)](#)

[10: Spring, Java](#)

[8 JPA interview c](#)

[JTA \(1\)](#)

[JDBC \(4\)](#)

[JMS \(5\)](#)

[JMX \(3\)](#)

[JNDI and LDAP \(1\)](#)

[Pressed for time? Jav](#)

[SQL, XML, UML, JSC](#)

[Hadoop & BigData Int](#)

[Java Architecture Inte](#)

[Scala Interview Q&As](#)

[Spring, Hibernate, & I](#)

[Spring \(18\)](#)

```

14     ds.setUsername(environment.getRequiredProperty("username"));
15     ds.setPassword(environment.getRequiredProperty("password"));
16     return ds;
17 }
18 }

```

application.yml where the datasource properties are read from.

```

1 #####
2 # Datasource properties
3 #####
4 spring:
5   datasource:
6     driver-class-name: com.sybase.jdbc4.jdbc.Syb
7     url: jdbc:sybase:Tds:mydbhost:5700/my_db
8     username: user
9     password: pwd
10
11
12

```

Example #2 Wiring JDBC Datasource with JNDI

```

1 @Configuration
2 @ImportResource("application.yml")
3 public class AppConfig
4 {
5     @Autowired
6     private Environment environment;
7
8     @Bean
9     public DataSource dataSource() {
10         final JndiDataSourceLookup jndiLookup =
11             new JndiDataSourceLookup();
12         final String dataSourceJndi = environment.getProperty("datasource.jndi");
13         return jndiLookup.getDataSource(dataSourceJndi);
14     }
15 }

```

Example #3 Wiring the JPA persistence unit processors

Callback interface for post-processing a JPA PersistenceUnitInfo. This is useful for auto scanning JPA entities.

```

1 @Configuration
2 @ImportResource("application.yml")
3 public class AppConfig

```

Hibernate (13)

- 01: ♥ 15+ Hiber
- 01b: ♦ 15+ Hiber
- 02: Understandir
- 03: Identifying ar
- 04: Identifying ar
- 05: Debugging H
- 06: Hibernate Fil
- 07: Hibernate mi
- 08: Hibernate au
- 09: Hibernate en
- 10: Spring, Java
- 11: Hibernate de
- 12: Hibernate cu

AngularJS (2)

Git & SVN (6)

JMeter (2)

JSF (2)

Maven (3)

Testing & Profiling/Sa

Other Interview Q&A 1

Free Java Interview

16 Technical Key Areas

open all | close all

- Best Practice (6)
- Coding (26)
- Concurrency (6)
- Design Concepts (7)
- Design Patterns (11)
- Exception Handling (3)
- Java Debugging (21)
- Judging Experience I
- Low Latency (7)
- Memory Managemen
- Performance (13)
- QoS (8)
- Scalability (4)

```

5  {
6      @Autowired
7      private Environment environment;
8
9      @Bean
10     public PersistenceUnitPostProcessor[] persis
11         return new PersistenceUnitPostProcessor[]
12     }
13
14     @Bean
15     public DataSource dataSource() {
16         //.....
17     }
18 }

```

- [SDLC \(6\)](#)
- [Security \(13\)](#)
- [Transaction Managen](#)

80+ step by step Java Tutorials

[open all](#) | [close all](#)

- [Setting up Tutorial \(6\)](#)
- [Tutorial - Diagnosis \(2](#)
- [Akka Tutorial \(9\)](#)
- [Core Java Tutorials \(2](#)
- [Hadoop & Spark Tuto](#)
- [JEE Tutorials \(19\)](#)
- [Scala Tutorials \(1\)](#)
- [Spring & Hibernate Ti](#)
- [Tools Tutorials \(19\)](#)
- [Other Tutorials \(45\)](#)

100+ Java pre-interview coding tests

[open all](#) | [close all](#)

- [Can you write code? \(](#)
- [♦ Complete the given](#)
- [Converting from A to I](#)
- [Designing your classe](#)
- [Java Data Structures](#)
- [Passing the unit tests](#)
- [What is wrong with th](#)
- [Writing Code Home A](#)
- [Written Test Core Jav](#)
- [Written Test JEE \(1\)](#)

Example #4 Wiring the JPA persistence unit Hibernate entity manager

```

1
2  @Configuration
3  @ImportResource("application.yml")
4  public class AppConfig
5  {
6      @Autowired
7      private Environment environment;
8
9      //.....datasource, persistenceUnitPostProce
10
11     @Bean
12     public LocalContainerEntityManagerFactoryBea
13         final LocalContainerEntityManagerFactory
14         entityManager.setDataSource(dataSource())
15         entityManager.setPackagesToScan(new Stri
16
17         entityManager.setPersistenceUnitName("my
18         entityManager.setPersistenceXmlLocation(
19
20         final HibernateJpaVendorAdapter hibernat
21         entityManager.setJpaVendorAdapter(hibern
22         entityManager.setPersistenceUnitPostProc
23
24         return entityManager;
25     }
26 }
27 }

```

The “persistence-jpa.xml” looks like

```

1
2  <?xml version="1.0" encoding="UTF-8"?>
3  <persistence xmlns="http://java.sun.com/xml/ns/p
4              xmlns:xsi="http://www.w3.org/2001/XM
5              xsi:schemaLocation="http://java.sun.
6              version="2.0">
7      <persistence-unit name="mydb-persistence-unit
8  </persistence>
9

```

The pom.xml file needs to have the Spring boot JP and Hibernate JARs to be brought-in

```
1
2 <!-- Spring boot for JPA & Hibernate related jar
3 <dependency>
4     <groupId>org.springframework.boot</groupId>
5     <artifactId>spring-boot-starter-data-jpa</ar
6 </dependency>
7
8 <!-- Sybase DB Driver -->
9 <dependency>
10     <groupId>com.sybase.jdbc4</groupId>
11     <artifactId>jconn4</artifactId>
12     <version>7.07-27009</version>
13 </dependency>
14
15 <!-- HSQLDB DB Driver for testing -->
16 <dependency>
17     <groupId>hsqldb</groupId>
18     <artifactId>hsqldb</artifactId>
19     <version>1.8.0.10.1</version>
20 </dependency>
21
```

How good are your?

[open all](#) | [close all](#)

 [Career Making Know-](#)

 [Job Hunting & Resur](#)

Popular Posts

♦ 11 Spring boot interview questions & answers

825 views

♦ Q11-Q23: Top 50+ Core on Java OOP Interview Questions & Answers

766 views

18 Java scenarios based interview Questions and Answers

400 views

001A: ♦ 7+ Java integration styles & patterns interview questions & answers

388 views

01b: ♦ 13 Spring basics Q8 – Q13 interview questions & answers

295 views

♦ 7 Java debugging interview questions & answers

293 views

01: ♦ 15 Ice breaker questions asked 90% of the time in Java job interviews with hints

285 views

♦ 10 ERD (Entity-Relationship Diagrams) Interview Questions and Answers

279 views

♦ Q24-Q36: Top 50+ Core on Java classes, interfaces and generics interview questions & answers

239 views

001B: ♦ Java architecture & design concepts interview questions & answers

201 views

Bio

Latest Posts



Arulkumaran Kumaraswamipillai

Mechanical Eng to freelance Java developer in 3 yrs. Contracting since 2003, and attended 150+ Java job interviews, and often got 4 - 7 job offers to choose from. It pays to prepare. So, published Java interview Q&A books via [Amazon.com](https://www.amazon.com) in 2005, and sold 35,000+ copies. Books are outdated and replaced with this subscription based site. **945+** paid members. [join my LinkedIn Group](#). [Reviews](#)



About Arulkumaran Kumaraswamipillai

Mechanical Eng to freelance Java developer in 3 yrs. Contracting since 2003, and attended 150+ Java job interviews, and often got 4 - 7 job offers to choose from. It pays to prepare. So, published Java interview Q&A books via [Amazon.com](https://www.amazon.com) in 2005, and sold 35,000+ copies. Books are outdated and replaced with this subscription based site. **945+** paid members. [join my LinkedIn Group](#). [Reviews](#)

◀ Spring, JavaConfig (i.e @Configuration) & JDBC by example

YAML with Spring & Java Q&As ▶

Posted in Hibernate, JPA, member-paid, Spring JavaConfig

Empowers you to open more doors, and fast-track

Technical Know Hows

☀ [Java generics in no time](#) ☀ [Top 6 tips to transforming your thinking from OOP to FP](#) ☀ [How does a HashMap internally work? What is a hashing function?](#)
☀ [10+ Java String class interview Q&As](#) ☀ [Java auto un/boxing benefits & caveats](#) ☀ [Top 11 slacknesses that can come back and bite you as an experienced Java developer or architect](#)

Non-Technical Know Hows

☀ [6 Aspects that can motivate you to fast-track your career & go places](#) ☀ [Are you reinventing yourself as a Java developer?](#) ☀ [8 tips to safeguard your Java career against offshoring](#) ☀ [My top 5 career mistakes](#)

Prepare to succeed

☀ [Turn readers of your Java CV go from “Blah blah” to “Wow”?](#) ☀ [How to prepare for Java job interviews?](#) ☀ [16 Technical Key Areas](#) ☀ [How to choose from multiple Java job offers?](#)

Select Category ▼

© Disclaimer

The contents in this Java-Success are copy righted. The author has the right to correct or enhance the current content without any prior notice.

These are general advice only, and one needs to take his/her own circumstances into consideration. The author will not be held liable for any damages caused or alleged to be caused either directly or indirectly by these materials and resources. Any trademarked names or labels used in this blog remain the property of their respective trademark owners. No guarantees are made regarding the accuracy or usefulness of content, though I do make an effort to be accurate. Links to external sites do not imply endorsement of the linked-to sites.