

By OnlineInterviewQuestions.com

Spring Batch Interview Questions

Spring Batch is a framework which is designed to enable the users in developing a robust and useful application. With the help of Spring Batch, users can have easy access to all the services provided by Java. This tool has been developed on a “Plain Old Java Object” based programming system which is free from any kind of interface handling.

Quick Questions About Spring Batch

Spring Batch is written In	Java
Spring Batch is a	Java framework for batch job processing.
Spring Batch is developed By	Pivotal
Spring Batch is based on	POJO-based development approach.
Spring Batch Licence	Apache License 2.0
Spring Batch Current Stable release	4.1.2

Q1. List some advantages of Spring Batch?

Some of the advantages of Spring Batch are:

- Maintainability
- Flexibility
- Usability
- Scalability
- Availability
- Security
- Support
- Cost

Q2. What is role of Launcher class in Spring Batch?

Q3. What is JobRepository in Spring Batch?

Q4. Enlist the components of Spring Batch?

There are three main components of Spring Batch namely, **Application, Batch Core, and Batch Infrastructure.**

Application ? It contains all the jobs and the code we write using the Spring Batch framework.

Batch Core ? It contains all the API classes that are needed to control and launch a Batch Job.

Batch Infrastructure ? IT contains the readers, writers, and services used by both application and Batch core components.

Q5. Using Java Spring Batch how can you send XMLmessages to IBM MQ?

You can send XML messages to IBM needs by wrapping it into a class implementing *javax.jms.Message*.

Q6. Enlist some alternative of spring batch?

Some of the alternatives for the spring batch are **Quartz Scheduler and JAVA EE 7 via JSR 352.**

Q7. Explain the major differences between spring mvc and spring batch?

Spring Batch - A Spring Batch is a lightweight and comprehensive batch framework that is designed to enable the development of robust and highly scalable batch applications vital for the daily operations of the enterprise and processing large volumes of records such as tracing, transaction management, job processing statistics, job restart, etc.

Spring MVC - Spring MVC or Model-View-Controller belongs to the web framework which is used for building web applications. It is basically used to develop flexible and loosely coupled web applications.

Q8. How to schedule a Job in Spring Batch?

To schedule a Job in Spring Batch you can follow the given steps:

- Enable scheduling with @EnableScheduling annotation.
- Create method annotated with @Scheduled and provide recurrence details using a cron job. Add the job execution logic inside this method.

Q9. Explain Tasklet in spring batch?

A **Tasklet** is an interface that performs a single task like clean or set up resources within a Step in Spring Batch. That means it is generally used for cleaning resources before or after the execution of any particular step.

Q10. What is spring batch?

A **Spring Batch** is a lightweight and comprehensive batch framework that is designed to enable the development of robust and highly scalable batch applications vital for the daily operations of the enterprise and processing large volumes of records such as tracing, transaction management, job processing statistics, job restart, etc.

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