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Language Support (/categories/language-support) > Java



Java

Heroku makes it easy to deploy and scale Java apps. Whether you use the standard libraries with application servers like Tomcat or Jetty, or frameworks like Spring or Play, Heroku helps you build things your way with the tools you love.

Get started with Java (<https://devcenter.heroku.com/articles/getting-started-with-java>)

Get started with Gradle (<https://devcenter.heroku.com/articles/getting-started-with-gradle-on-heroku>)

Essentials

- 📖 [Getting Started on Heroku with Java \(/articles/getting-started-with-java\)](/articles/getting-started-with-java)
- 📖 [Getting Started with Gradle on Heroku \(/articles/getting-started-with-gradle-on-heroku\)](/articles/getting-started-with-gradle-on-heroku)
- 📖 [Introduction to Heroku for Java Developers \(/articles/intro-for-java-developers\)](/articles/intro-for-java-developers)
- 📖 [Heroku Java Support \(/articles/java-support\)](/articles/java-support)
- 📖 [Deploying Java Apps on Heroku \(/articles/deploying-java\)](/articles/deploying-java)
- 📖 [Deploying Gradle Apps on Heroku \(/articles/deploying-gradle-apps-on-heroku\)](/articles/deploying-gradle-apps-on-heroku)
- 📖 [Preparing a Java Web App for Production on Heroku \(/articles/preparing-a-java-web-app-for-production-on-heroku\)](/articles/preparing-a-java-web-app-for-production-on-heroku)
- 📖 [Java Session Handling on Heroku \(/articles/java-session-handling-on-heroku\)](/articles/java-session-handling-on-heroku)
- 📖 [Setting the HTTP Port for Java Applications \(/articles/setting-the-http-port-for-java-applications\)](/articles/setting-the-http-port-for-java-applications)
- 📖 [Frequently Asked Questions About Java \(/articles/java-faq\)](/articles/java-faq)

Working with Maven

- 📖 [Using a Custom Maven Settings File \(/articles/using-a-custom-maven-settings-xml\)](/articles/using-a-custom-maven-settings-xml)

- 📄 [Adding Unmanaged Dependencies to a Maven Project \(/articles/local-maven-dependencies\)](/articles/local-maven-dependencies)
- 📄 [Deploying Java Applications with the Heroku Maven Plugin \(/articles/deploying-java-applications-with-the-heroku-maven-plugin\)](/articles/deploying-java-applications-with-the-heroku-maven-plugin)
- 📄 [Using Grunt with Java and Maven to Automate JavaScript Tasks \(/articles/using-grunt-with-java-and-maven-to-automate-javascript-tasks\)](/articles/using-grunt-with-java-and-maven-to-automate-javascript-tasks)

Java Database Operations

- 📄 [Connecting to Relational Databases on Heroku with Java \(/articles/connecting-to-relational-databases-on-heroku-with-java\)](/articles/connecting-to-relational-databases-on-heroku-with-java)
- 📄 [Database Connection Pooling with Java \(/articles/database-connection-pooling-with-java\)](/articles/database-connection-pooling-with-java)
- 📄 [Running Database Migrations for Java Apps \(/articles/running-database-migrations-for-java-apps\)](/articles/running-database-migrations-for-java-apps)

Working with the Play Framework

- 📄 [Using WebSockets on Heroku with Java and the Play Framework \(/articles/play-java-websockets\)](/articles/play-java-websockets)
- 📄 [Using Amazon S3 for File Uploads with Java and Play 2 \(/articles/using-amazon-s3-for-file-uploads-with-java-and-play-2\)](/articles/using-amazon-s3-for-file-uploads-with-java-and-play-2)
- 📄 [Writing Scalable WebSocket Applications on Heroku with Java and the Play Framework \(/articles/play-java-websockets-advanced\)](/articles/play-java-websockets-advanced)

Java Advanced Topics

- 📄 [Create a Java Web Application Using Embedded Tomcat \(/articles/create-a-java-web-application-using-embedded-tomcat\)](/articles/create-a-java-web-application-using-embedded-tomcat)
- 📄 [JVM Runtime Metrics \(/articles/language-runtime-metrics-jvm\)](/articles/language-runtime-metrics-jvm)
- 📄 [Warming Up a Java Process \(/articles/warming-up-a-java-process\)](/articles/warming-up-a-java-process)
- 📄 [Customizing the JDK \(/articles/customizing-the-jdk\)](/articles/customizing-the-jdk)
- 📄 [Reducing the Slug Size of Java Applications \(/articles/reducing-the-slug-size-of-java-applications\)](/articles/reducing-the-slug-size-of-java-applications)
- 📄 [Deploying Tomcat-based Java Web Applications with Webapp Runner \(/articles/java-webapp-runner\)](/articles/java-webapp-runner)
- 📄 [Asynchronous Web-Worker Model Using RabbitMQ in Java \(/articles/asynchronous-web-worker-model-using-rabbitmq-in-java\)](/articles/asynchronous-web-worker-model-using-rabbitmq-in-java)
- 📄 [Run Non-web Java Dynos on Heroku \(/articles/run-non-web-java-processes-on-heroku\)](/articles/run-non-web-java-processes-on-heroku)
- 📄 [HTTP Caching in Java with JAX-RS \(/articles/jax-rs-http-caching\)](/articles/jax-rs-http-caching)

Working with Spring Boot

- 📄 [Deploying Spring Boot Applications to Heroku \(/articles/deploying-spring-boot-apps-to-heroku\)](/articles/deploying-spring-boot-apps-to-heroku)
- 📄 [Preparing a Spring Boot App for Production on Heroku \(/articles/preparing-a-spring-boot-app-for-production-on-heroku\)](/articles/preparing-a-spring-boot-app-for-production-on-heroku)
- 📄 [Scaling a Spring Boot Application with Memcache \(/articles/spring-boot-memcache\)](/articles/spring-boot-memcache)