Alpaquita Containers

bell/soft

CONTAINERS WITH THE JAVA RUNTIME RECOMMENDED BY spring®

> Lack a unified container image across all workflows?

> The container image excessively consumes cloud resources and the budget?

> Have to waste time on building a container yourself?

BELLSOFT PROVIDES READY-TO-USE CONTAINER IMAGES WITH:

- **Liberica JDK** — a runtime recommended by Spring. Used by default in buildpacks for Spring apps.

- **Alpaquita Linux** — the only Linux distribution optimized for Java.
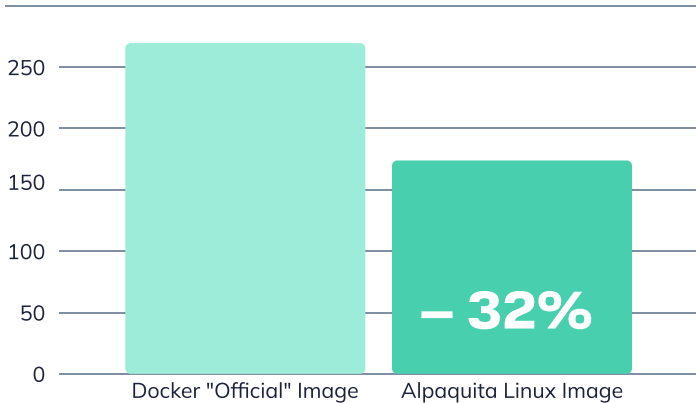
UNIFY YOUR JAVA STACK

Use one container in development, testing, and production.

ENJOY SMALLER APPLICATION INSTANCES

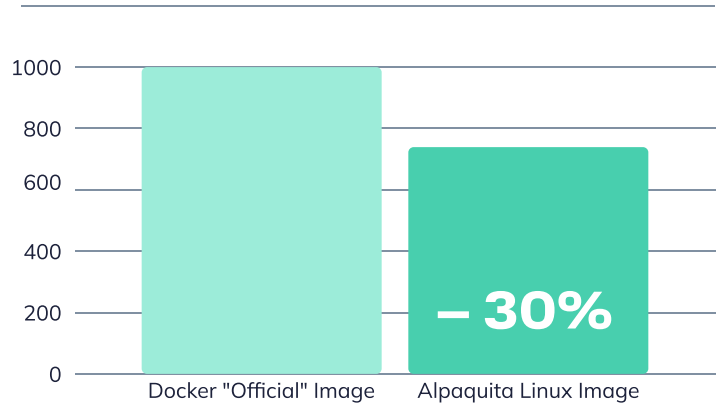Alpaquita Containers enable up to 30% RAM reduction.

IMAGE SIZE
Mb

250	
200	
150	
100	
50	**− 32%**
0	
Docker "Official" Image	Alpaquita Linux Image

RAM CONSUMPTION
Mb

1000	
800	
600	
400	
200	**− 30%**
0	
Docker "Official" Image	Alpaquita Linux Image

MAINTAIN A HIGH LEVEL OF SECURITY

BellSoft releases quarterly updates for JDK and continuous updates for Alpaquita. This means that each time you rebuild your container, you will have an up-to-date image without known CVEs.

AUTOMATE CONTAINERIZATION WITH BUILDPACKS

Use Paketo buildpacks for accelerating and facilitating containerization of your Spring Boot projects.

HIGHER AVAILABILITY AT LOWER COSTS FOR JAVA

Achieve predictable scalability by reducing startup and warm-up times of Java workloads to near zero.

CRAC SUPPORT

We provide ready-to-use containers with support for Coordinated Restore at Checkpoint (CRaC) API, enabling developers to pause the running Java application, save it to a file, replicate the file among instances, and then restore the application's state from the moment it was paused. This achieves peak performance right from the start.

GRAALVM SUPPORT

BellSoft provides Liberica Native Image Kit (NIK), a GraalVM CE-based tool for converting a Java application into a fully compiled native executable ahead-of-time under the closed-world assumption. The resulting single artifact starts up almost instantly and demonstrates consistent performance.

STILL USING SPRING BOOT 2.7?

Unlock the performance potential of JDK 17 for your Spring Boot App, built on JDK 8 & 11, with Liberica JDK Performance Edition.

Liberica JDK Performance Edition (or Liberica Perf) couples JVM 17 and JDK 8 or 11 enabling you to increase the performance of your applications without upgrading the JDK version or rewriting the code.

REVITALIZE YOUR JAVA 8 & 11 WORKLOADS AND INSTANTLY ACCELERATE RESPONSE TIMES:

↓ Low-latency garbage collectors (sub-millisecond pauses)
↓ 96.5% shorter G1 GC evacuation pause
↑ 120% higher mean throughout
↑ 23.7% higher peak throughput
↓ 16.1% faster startup

WANT TO FIND OUT MORE? | CONTACT US!

bell-sw.com

📍 111 North Market Street, Suite 300, San Jose, CA 95113

📞 +1 (702) 2135959

✉ info@bell-sw.com