Dependency Version Comparison for JDK 8, 17, and 21

The table below compares the versions of key dependencies for a project using JDK 8, 17, and 21. As JDK versions advance, many libraries update to support newer features and performance improvements. The versions listed are the latest stable releases at the time of writing.

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| --- | --- | --- | --- |
| Dependency | Version (JDK 8) | Version (JDK 17) | Version (JDK 21) |
| org.springframework.version | 5.1.16.RELEASE | 5.3.27 | 6.0.12 |
| org.springframework.security.version | 5.1.11.RELEASE | 5.6.11 | 6.0.12 |
| spring.integration.version | 5.1.11.RELEASE | 5.5.18 | 6.0.4 |
| spring.security.oauth2 | 2.3.3.RELEASE | 2.5.10 | Use Spring Security 6.x |
| hibernate.version | 5.3.17.Final | 5.6.14.Final | 6.2.x |
| hibernate.validator.version | 6.1.5.Final | 7.0.2.Final | 8.0.x |
| javax.validator.version | 2.0.1.Final | Jakarta Validation 3.0.0 | Jakarta Validation 3.x |
| javax.el.version | 2.2.6 | Jakarta EL 4.0.0 | Jakarta EL 5.0.0 |
| javax.el-api.version | 3.0.0 | Jakarta EL API 4.0.0 | Jakarta EL API 5.x |
| rabbit.version | 5.9.0 | 5.13.0 | 6.1.x |
| jas.version | 1.1 | 1.2 | 1.3 |
| org.slf4j.version | 1.7.25 | 1.7.36 | 2.0.9 |
| junit.version | 4.13 | JUnit 5.8.x | JUnit 5.9.x |
| log4j2.version | 2.17.1 | 2.19.0 | 2.20.0 |
| jmock.version | 2.12.0 | 2.12.0 | 2.12.0 |
| wnq.version | 7.0.1.6 | 7.1 | 8.x |
| jackson.version | 2.10.3 | 2.14.2 | 2.15.x |
| joda-time.version | 2.10.6 | 2.10.14 | 2.11.x |
| surefire.forkMode | once | once | once |
| mockito.version | 1.8.5 | 4.6.x | 5.x |
| spring.genfire.version | 2.3.9.RELEASE | 2.4.x | Use Spring 6.x |
| spring.shell.version | 1.2.0.RELEASE | 2.1.x | 2.2.x |
| build.tools.version | 1.0 | 1.2 | 1.3 |
| commons-lang.version | 2.6 | 3.12.0 | 3.13.0 |
| commons-beanutils.version | 1.9.2 | 1.9.4 | 2.0.0 |
| commons-codec.version | 1.10 | 1.15 | 1.16.0 |
| commons-collections.version | 3.2.2 | 4.4 | 4.5 |
| commons-io.version | 2.4 | 2.11.0 | 2.12.x |