Spring Boot 3 introduced several new features and improvements:

1. **Native Image Support with GraalVM**: Spring Boot 3 offers native image support through GraalVM, significantly reducing startup time and memory usage. This is ideal for cloud environments, microservices, and serverless functions.
2. **Jakarta EE 9 Integration**: Spring Boot 3 moves to the Jakarta EE 9 namespace. This migration changes javax. packages to jakarta. This change affects how you interact with servlet APIs, JPA, and other Jakarta EE specifications.
3. **AOT (Ahead-of-Time) Compilation**: AOT compilation optimizes your application at build time, improving performance, especially in native images.
4. **Observability Improvements**: The new Micrometer and Spring Observability integration enhances monitoring and observability of applications, helping developers gain insights into application performance and behavior.
5. **Kubernetes Enhancements**: Spring Boot 3 introduces improvements for running Spring Boot applications on Kubernetes, including better support for liveness/readiness probes and cloud-native deployments.
6. **Security Enhancements**: Improvements in Spring Security, such as new authorization server support and simplified OAuth2 configurations, make it easier to build secure applications.
7. **Improved Testing**: Enhanced test annotations and improved @SpringBootTest make it easier to write and manage tests.

These features help optimize the performance, scalability, and deployment flexibility of Spring Boot applications.