With the delivery of Jakarta EE 9 in December 2020, Jakarta EE continues to fulfill its promise of accelerating business application development for the cloud, emerging as the second most used cloud native framework at 47% in this year’s survey.

The popularity of microservices holds steady with a nominal increase, with the usage of the microservices architecture for implementing Java systems in the cloud increasing since last year.

Java EE 8, Jakarta EE 8 & Jakarta EE 9 hits the mainstream with 75% adoption. Despite only shipping in December 2020, Jakarta EE 9 usage has grown to 5%. Driven by the contributions of a diverse global community of dedicated developers and vendors, building on the success of Jakarta EE 8, followed by Jakarta EE 9, we have seen continued growth.

Java 11 use has surged to 58% (28% in 2020). Sitting at 11% usage, enterprises stick to LTS releases with the next being Java 17.

Over 48% of respondents have either already migrated to Jakarta EE or plan to within the next 6-24 months.

Top three Jakarta EE community priorities:
1. Native integration with Kubernetes has increased since last year (2021: 63% vs 2020: 47%)
2. Better support for microservices (54% up from 41% in 2020)
3. Faster pace of innovation (33%)

Top three architectural approaches for implementing Java systems in cloud:
- Use of the hybrid architecture approach for implementing Java systems in the cloud has increased since last year with 29% adoption reported in 2021 (up from 23% in 2020) and has outpaced monolith, which was ahead of hybrid last year.
- Over 48% of respondents have either already migrated to Jakarta EE or plan to within the next 6-24 months.

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Help Shape The Cloud Native Future Of Jakarta EE

The stakeholders of the Jakarta EE community are committed to a cloud native future for the platform.