

Write an argument that that agrees with this statement “Torvalds has been proven wrong and it only took nearly thirty years. Microservices and microkernels are the future.”

Shah (2005) believes it is difficult to say whether Linus Torvalds has been proven wrong or not, however, technology has moved on and there are certainly many advantages to using microservices and microkernels. De Lauretis (2019) has outlined some of the benefits of microservices including scalability improvements, improved agility and time-to-market, high maintainability and automated deployment, reliability and reduced security risks, optimised development time and cost, outsourcing opportunities, business agility and resilience, and being attractive for engineers.

Fowler (2003) has said that Tanenbaum had advocated that Microkernels had already came out on top. Microkernels have some advantages over monolithic kernels such as better modularity, easier maintenance and debugging, better security and fault isolation.

It is important to note that both microservices and microkernels have their disadvantages as well. For example, microservices can be more complex to manage than monolithic applications. This debate is still not an easy one to agree on one way or another, the choice of architecture will ultimately depend on the specific needs of the application being developed and technological advancements.

References

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