Microservice Architecture

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# Drawback of SOA / monolith applications

# Single Technology Platform –

In monolith, we have to stick with technology we already selected for overall application. If we need specialized technology for 1 requirement, it is not possible.

## Inflexible Deployment

Even for small change, we have to verify and deploy whole application again. Which is in efficient and normally leads to delay in deployment.

## Inefficient Compute resource

If there are few processes that needs more resources like memory or CPU, we have to increase capacity for overall application. Which is not cost efficient solution.

## Large and Complex

Normally with monolith and complex enterprise application, there is lot of direct and indirect dependency of code. We are not sure making code changes in one area have impact in other areas of code which might not be verified.

# Nine characteristics of Microservices