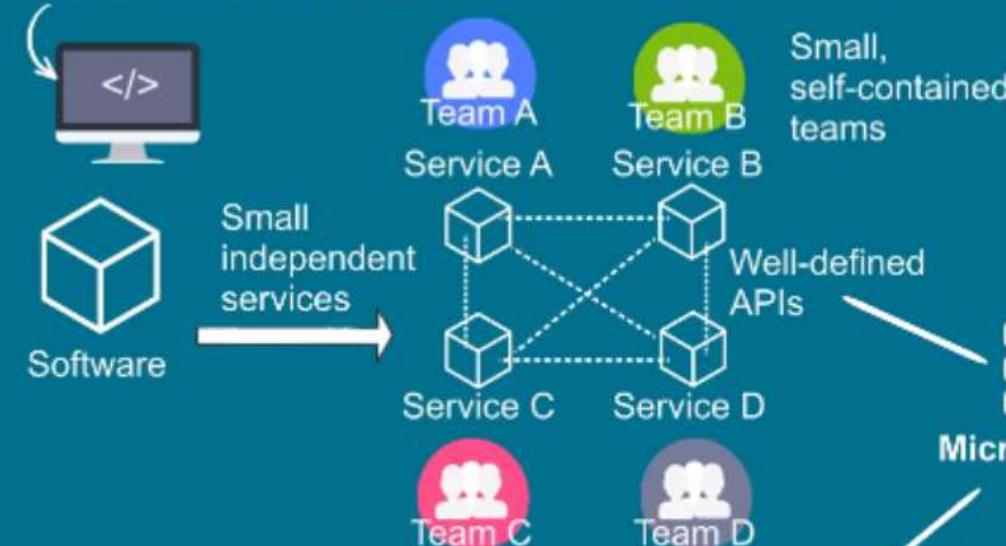
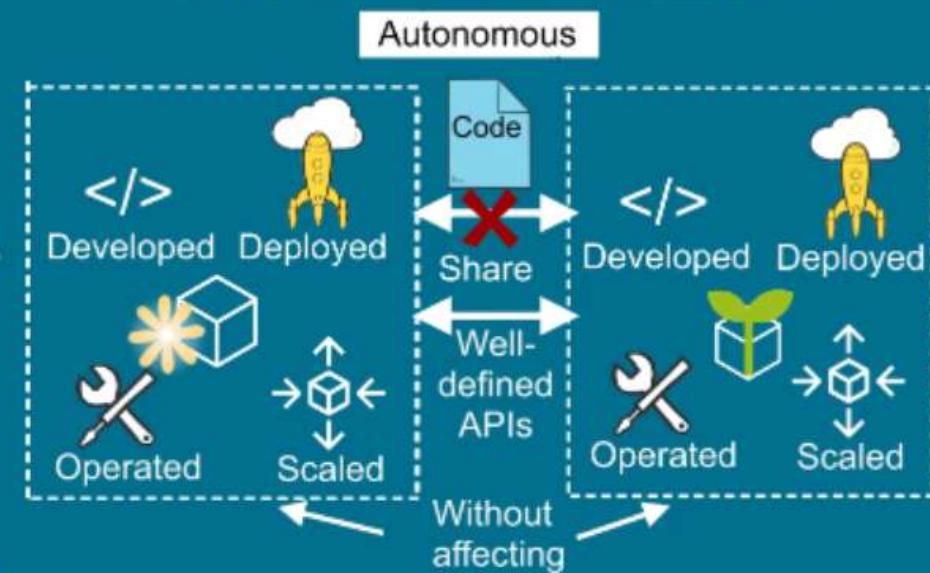


Microservices

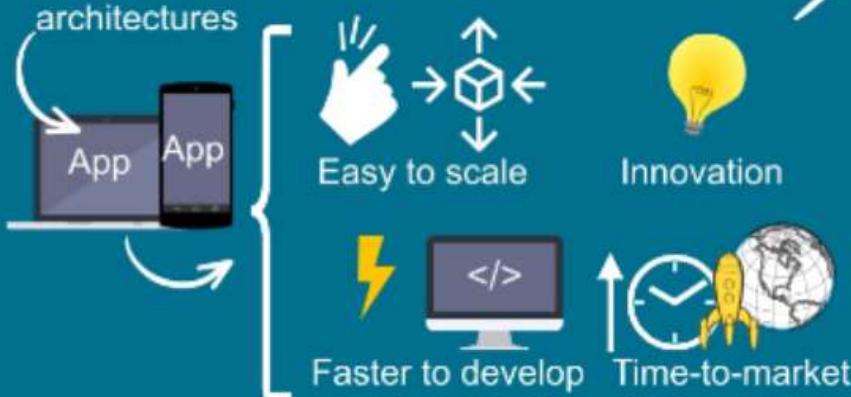
Architectural and organizational approach



Two main characteristics of microservices



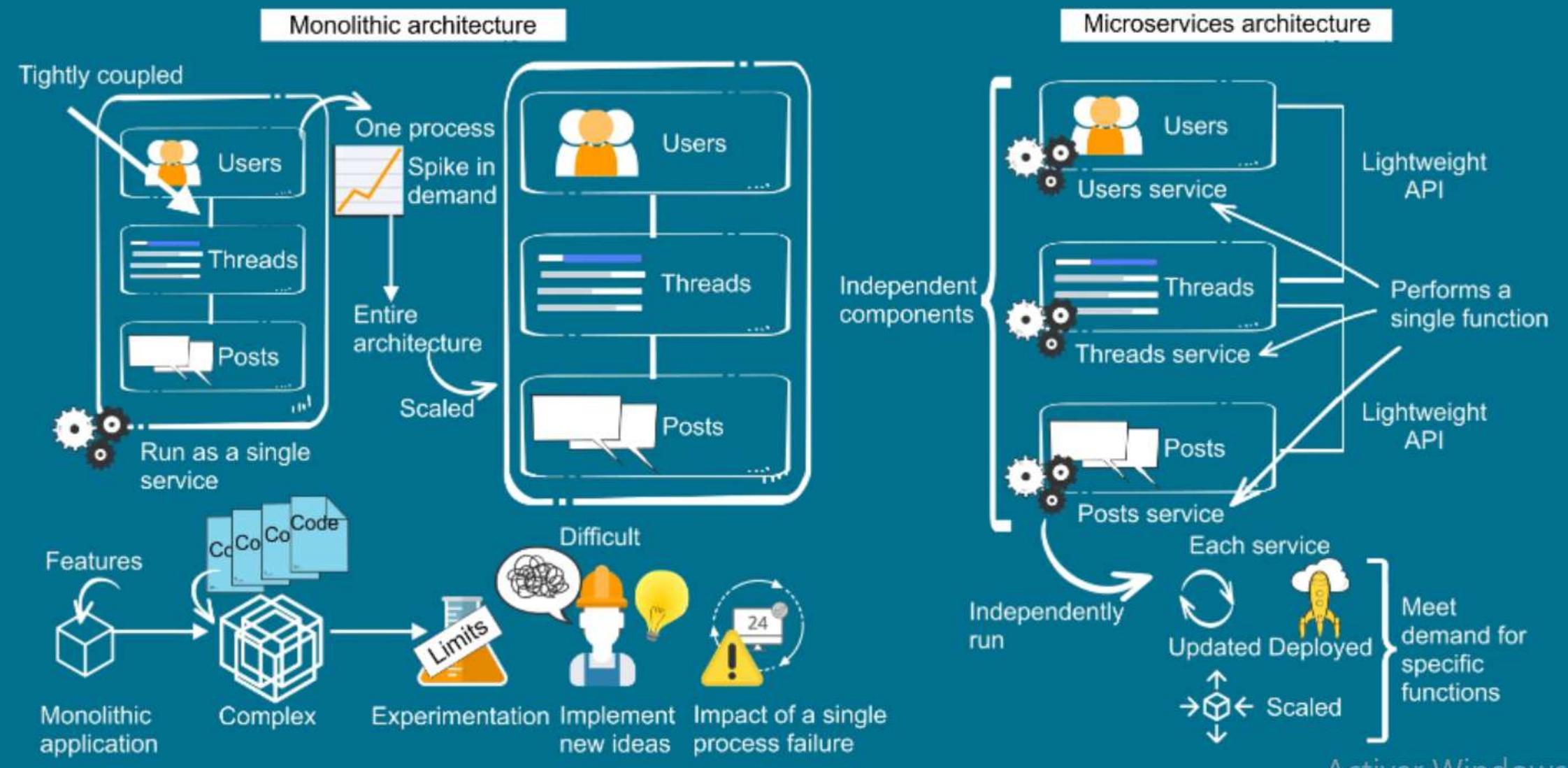
Microservices architectures



Designed for a set of capabilities

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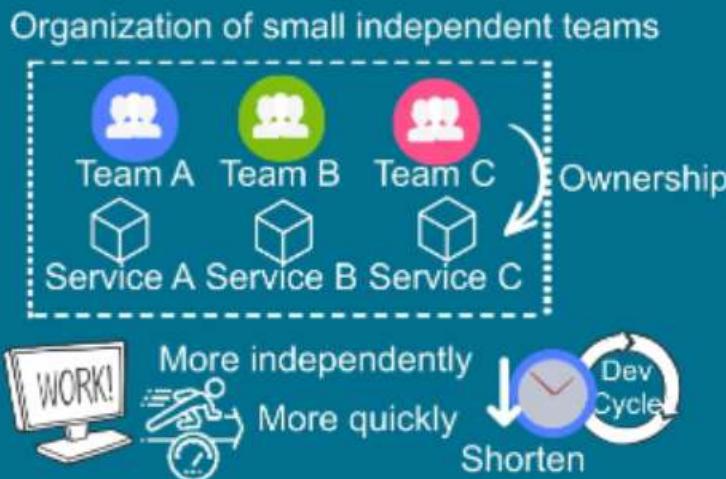
Monolithic and Microservices Architecture



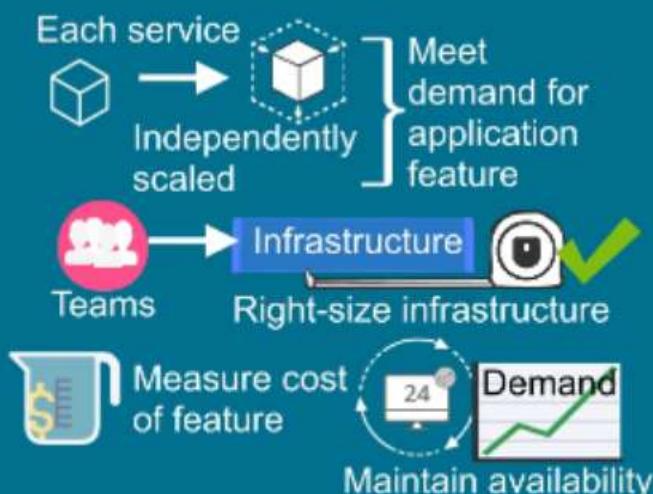
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Benefits

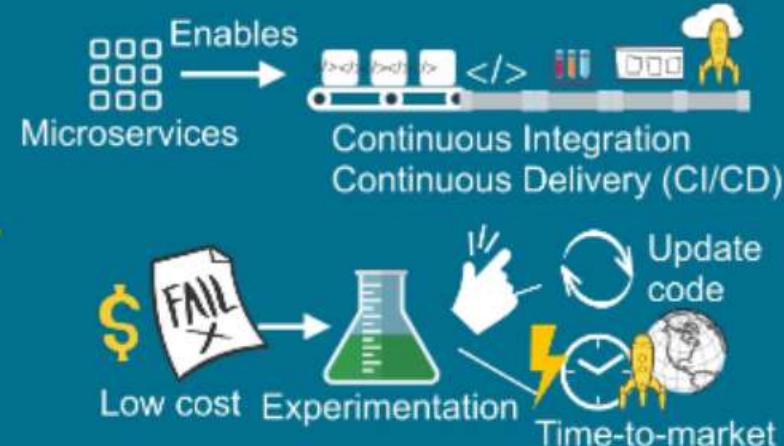
Agility



Flexible scaling



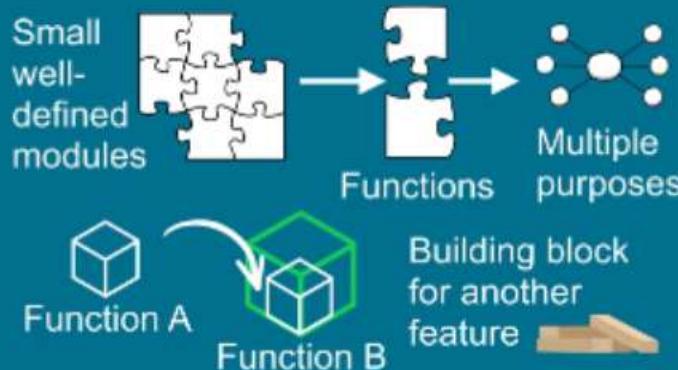
Easy deployment



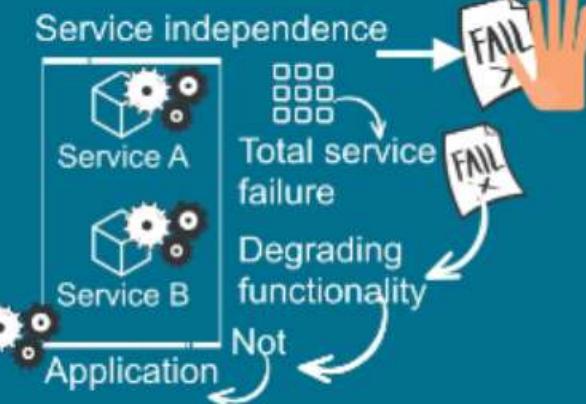
Technological freedom



Reusable code



Resilience



Complete Platform for Microservices

| Compute | Storage and Databases | | | | | |
|--|--|--|--|--|--|---|
|  Amazon Elastic Container Service |  AWS Lambda |  Amazon ElastiCache |  AWS S3 |  Amazon DynamoDB |  Amazon RDS |  Amazon Aurora |
| Networking | | | | | | |
|  AWS Cloud Map |  AWS App Mesh |  Application Load Balancer |  Network Load Balancer |  Amazon API Gateway |  Amazon Route 53 | |
| Messaging | | | | Logging and Monitoring | | |
|  Amazon Simple Notification Service |  Amazon Simple Queueing Service |  Amazon Eventbridge |  AWS CloudTrail |  Amazon CloudWatch |  AWS X-Ray | |
| DevOps | | | | | | |
|  Amazon Elastic Container Registry |  AWS Fargate |  Amazon Elastic Kubernetes Service |  AWS Containers |  AWS Developer Tools |  AWS Cloud9 |  AWS CodeStar |
| | | | | | | and more...  AWS X-Ray  AWS CodeBuild |

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