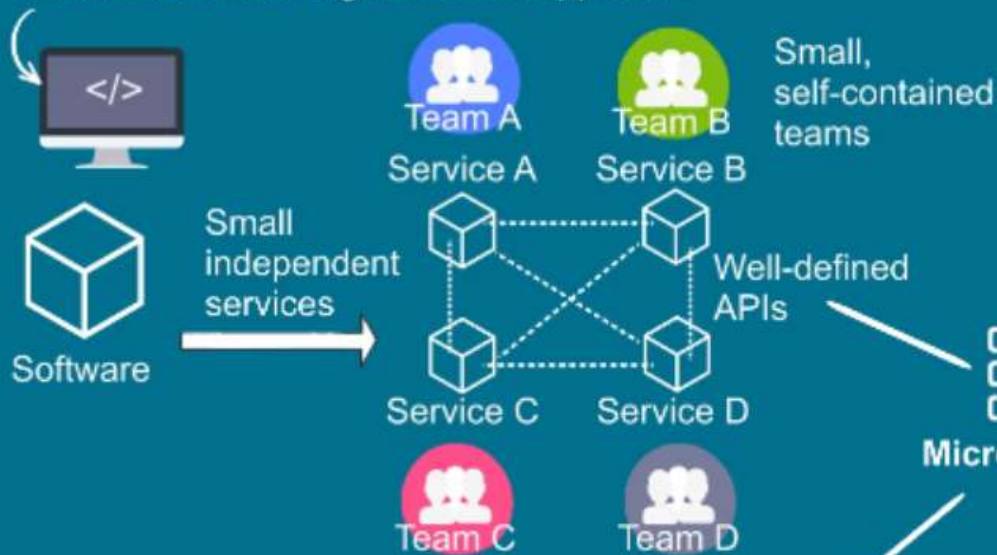


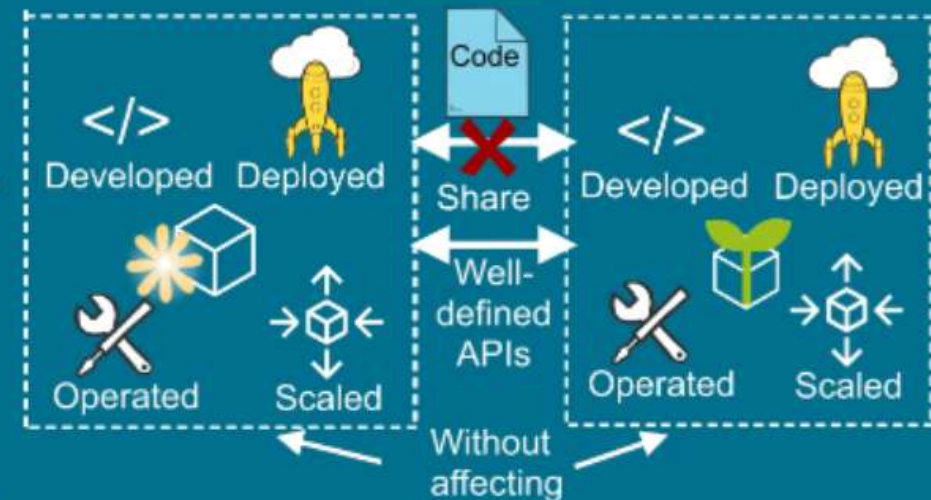
Microservices

Architectural and organizational approach

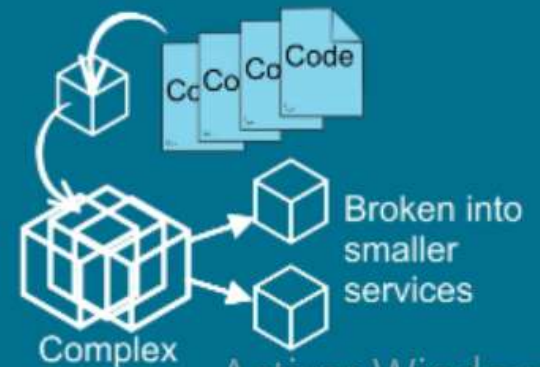


Two main characteristics of microservices

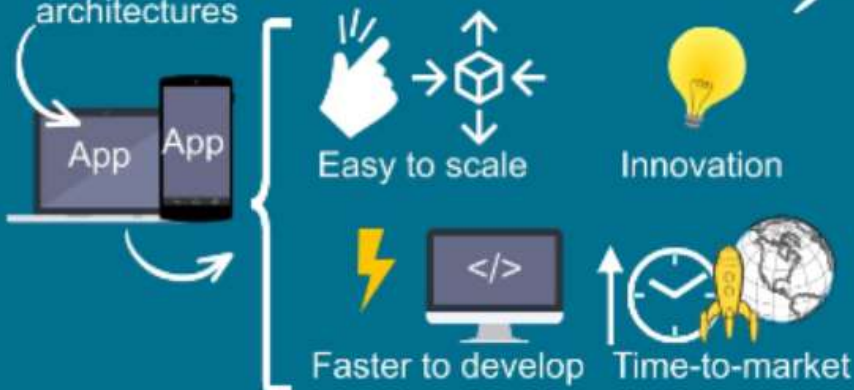
Autonomous



Specialized



Microservices architectures



Each service

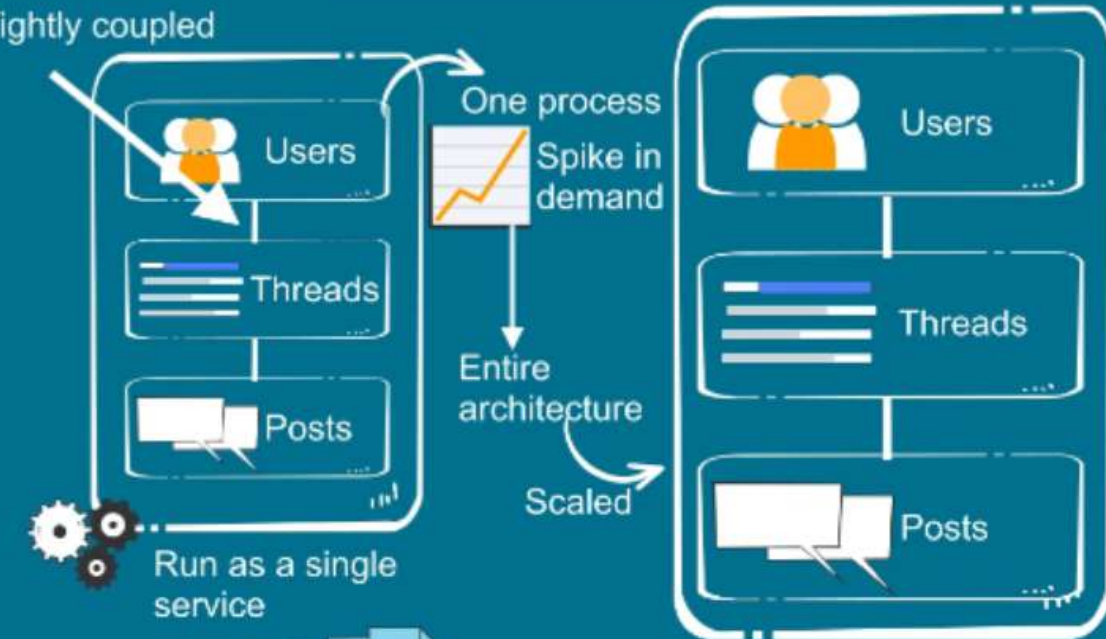


Monolithic and Microservices Architecture

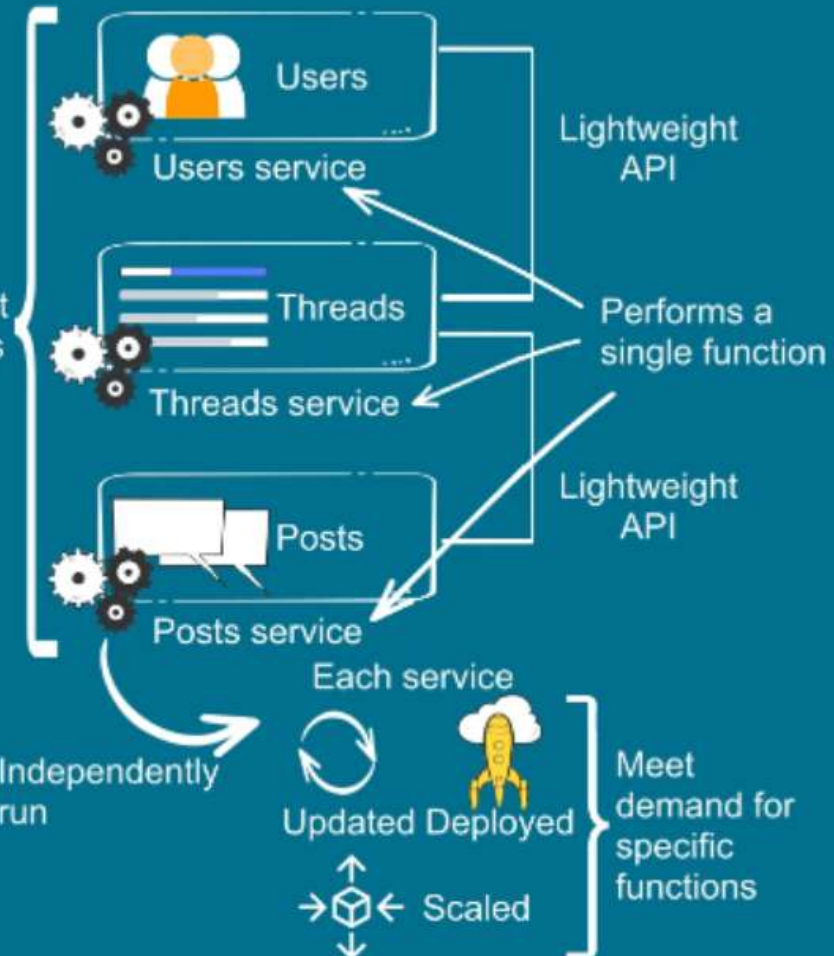
Monolithic architecture

Microservices architecture

Tightly coupled



Independent components



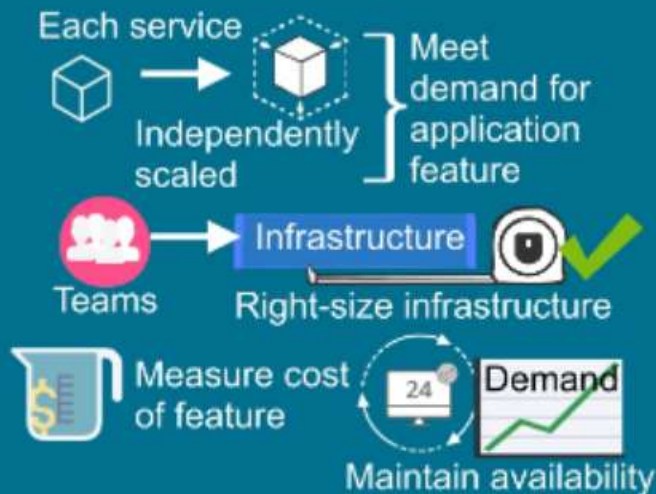
Benefits

Agility

Organization of small independent teams



Flexible scaling



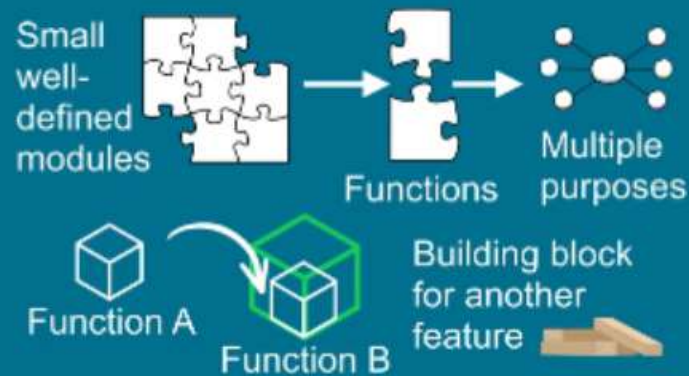
Easy deployment



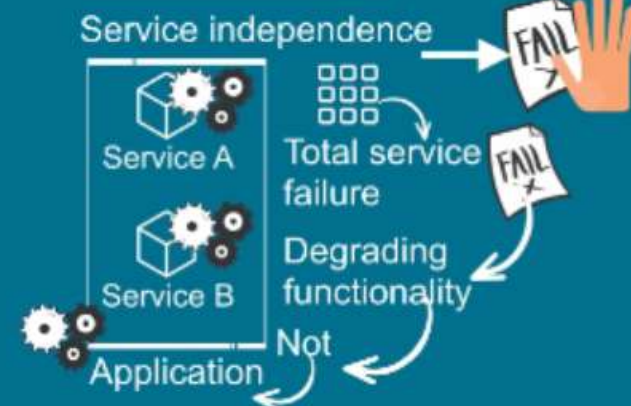
Technological freedom































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
						
					AWS X-Ray	AWS CodeBuild
					and more...	