

THE DEVELOPER'S CONFERENCE

Trilha – Arquitetura .Net

Conheça Ocelot

Api Gateway em .net Core

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Olá , Sou a Vanessa!



- Formada em Análise e Desenvolvimento de Software
 - Desenvolvedora a quase 15 anos por todo Brasil (serio!)
- Apaixonada por programação e inovação
- Youtube nas horas extras :)

Api Gateway



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- O protetor dos Microservices
- Controle e centralização de acesso
- Registro de Log
- Controle de tráfico de dados



Api Gateway no Mercado



STORAGE



GATEWAY



MESSAGING



OTHER



S3



DynamoDb



API Gateway



SNS



SQS



CloudFront



CloudWatch



IAM



Cognito



Azure



Storage



DocumentDb



App Gateway



Notification Hub



Service Bus



CDN



AppInsights



AAD



Google Cloud



Storage



DataStore



Endpoints



Pub / Sub



CDN



Logging

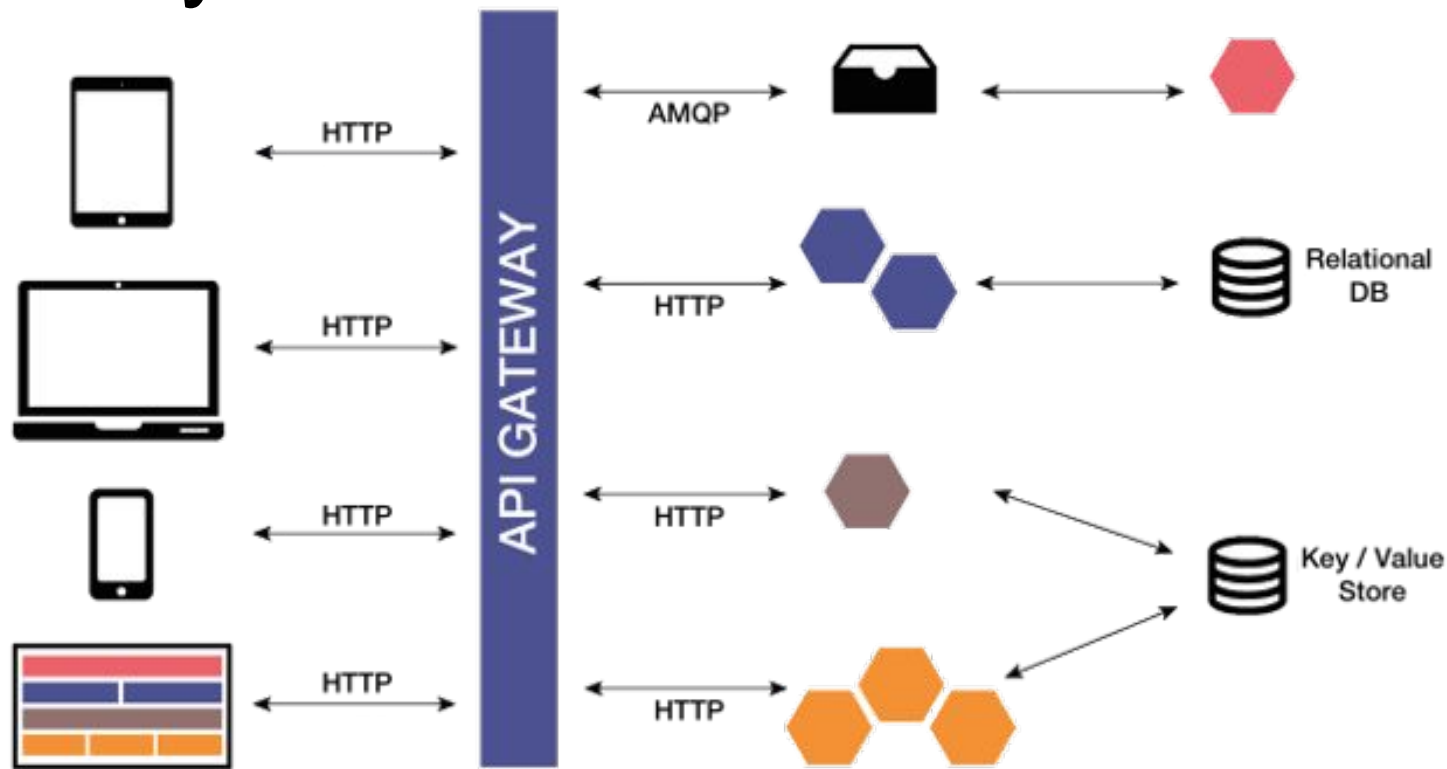


IAM

Arquitetura com Api Gateway e Microservice



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Ocelot Api Gateway



- Organização de Middlewares
- Upstream e Downstream
- Pipeline de Middleware



Ocelot Factures



- Routing
- Request Aggregation
- Service Discovery with Consul & Eureka
- Service Fabric
- WebSockets
- Authentication
- Authorization
- Rate Limiting
- Caching

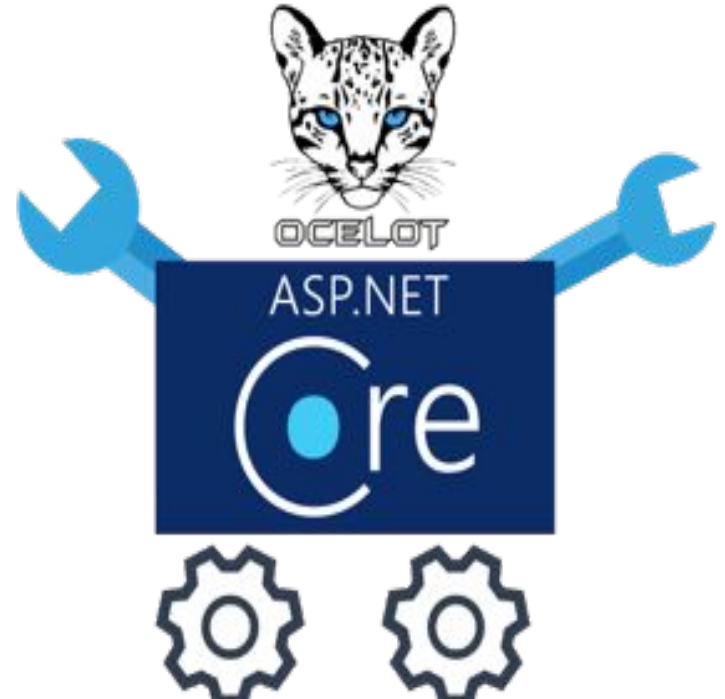


Retry policies/QoS
Load Balancing
Logging/Tracing/Correlation
Headers/Query String/Claims
Transformation
Custom Middleware/Delegating
Handlers
Configuration/Administration
REST API
Platform/Cloud Agnostic

Fixo no Ocelot



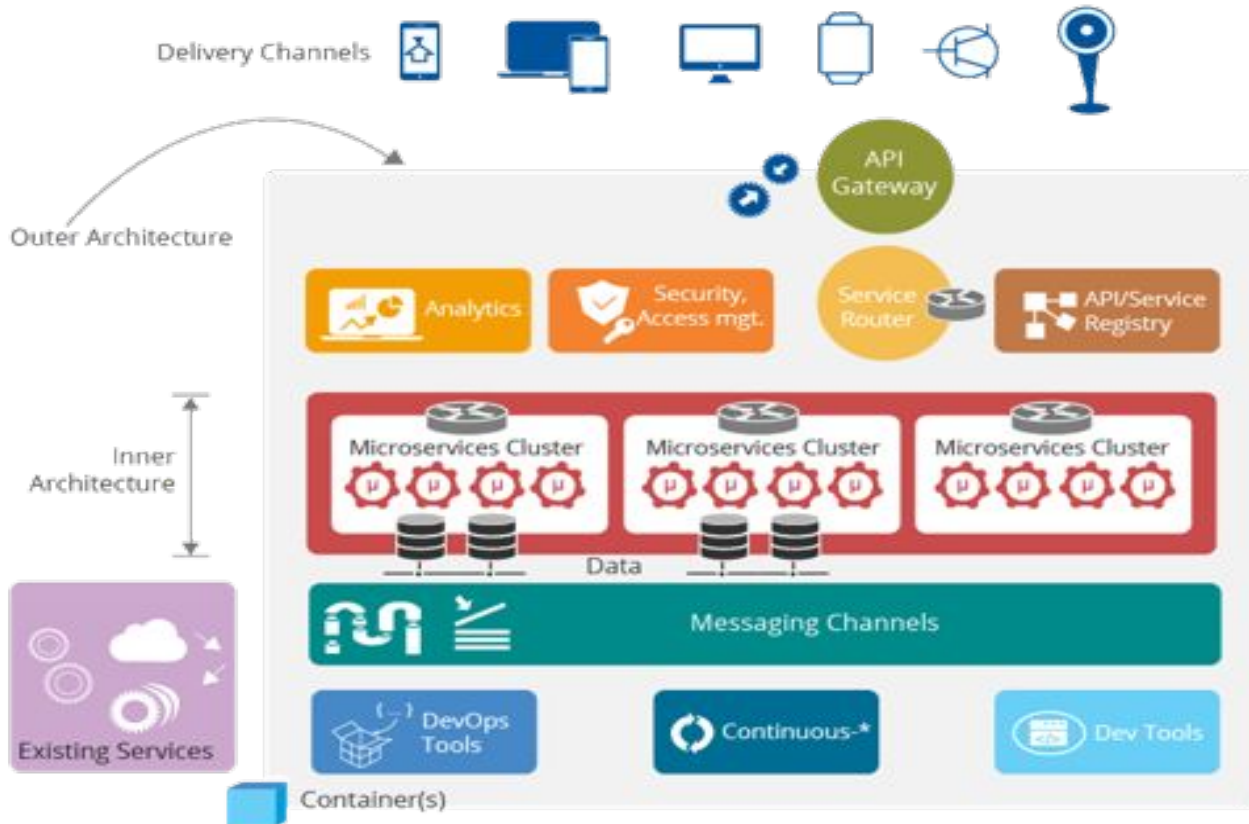
- Arquitetura de Microservice
- Autenticação com Identity
- Conexão Http
- .Net Core



Api Ocelot na Arqitetura



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Desafios da Implantação



Mudança de conceito

Sem integração Contínua

Deploy não estruturado

Performance = + memória +processador

Arquitetura
Monolitico X Microservice

Protocolo
WCF X RestFull

Servidor
Windows X Cloud

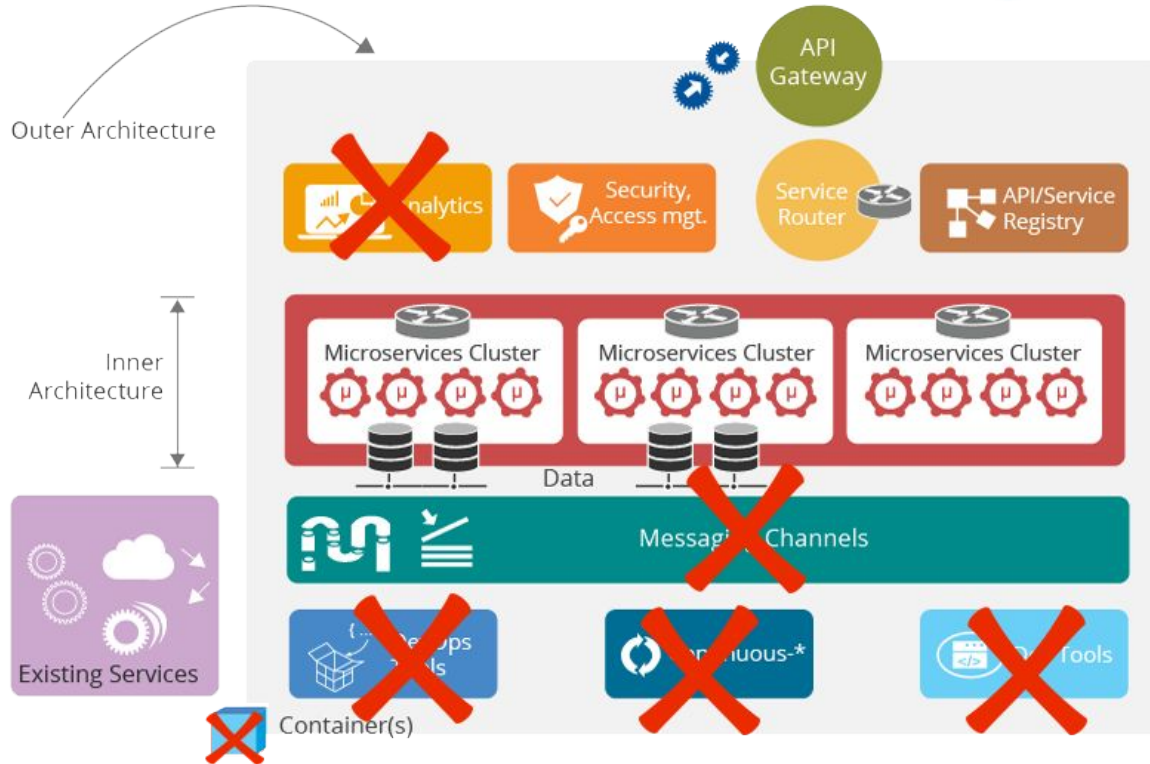
Log
Banco Relacional X NoSql

Aprovação da Api

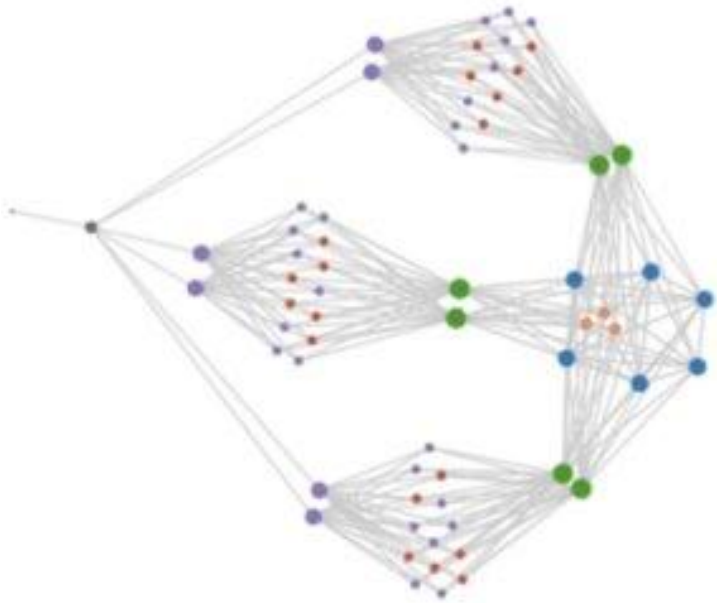
Delivery Channels



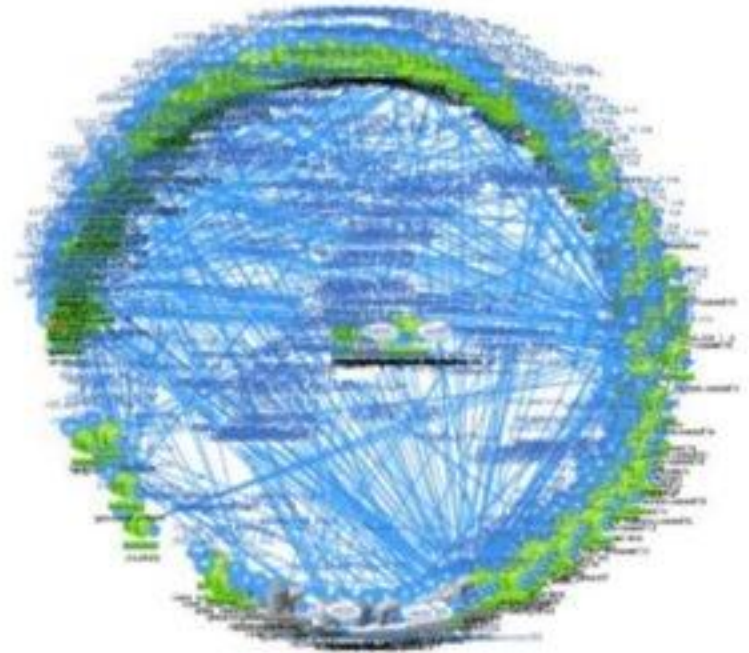
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Motivação- Evolução Netflix



Simplified Architecture



Actual Architecture

Muito Obrigada!
Perguntas?

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