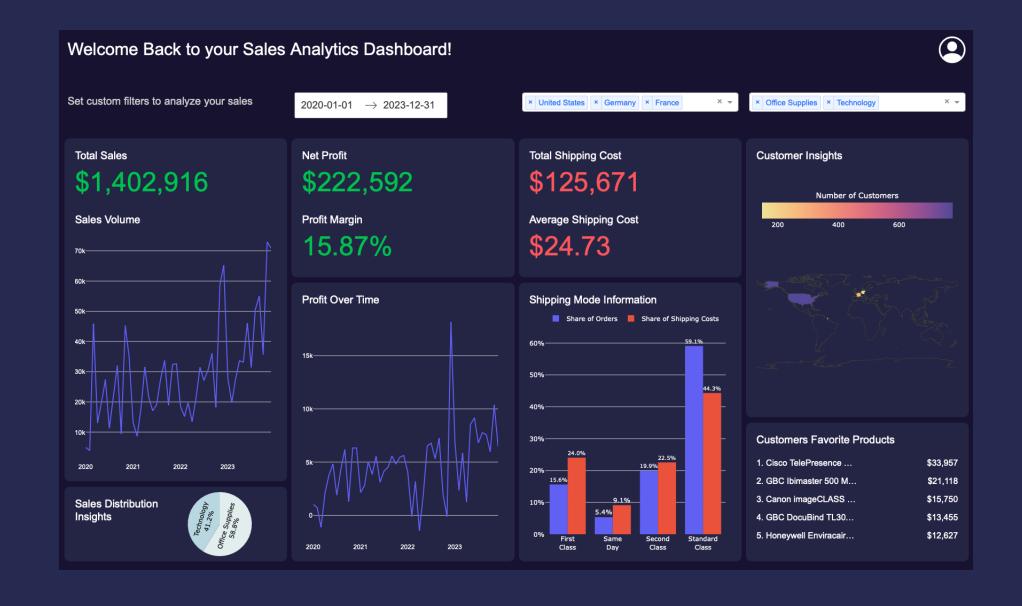
Interactive Dashboard Application for E-commerce Sales Analytics

Marcel Dietl, 27.01.2024

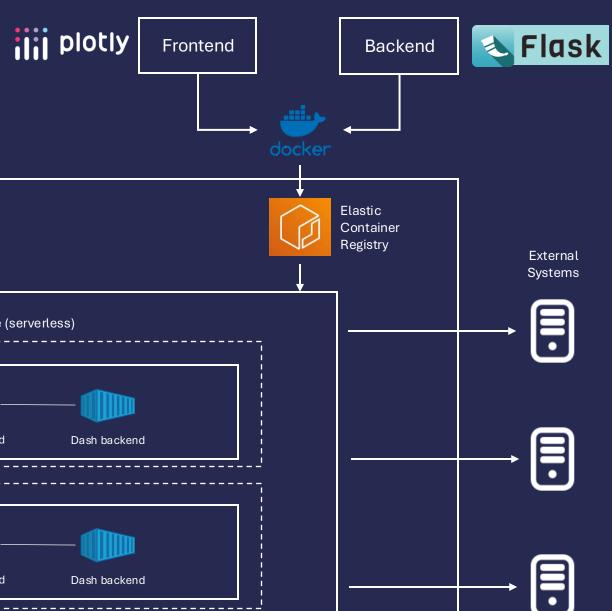
Task 1: Interactive Dashboard Application

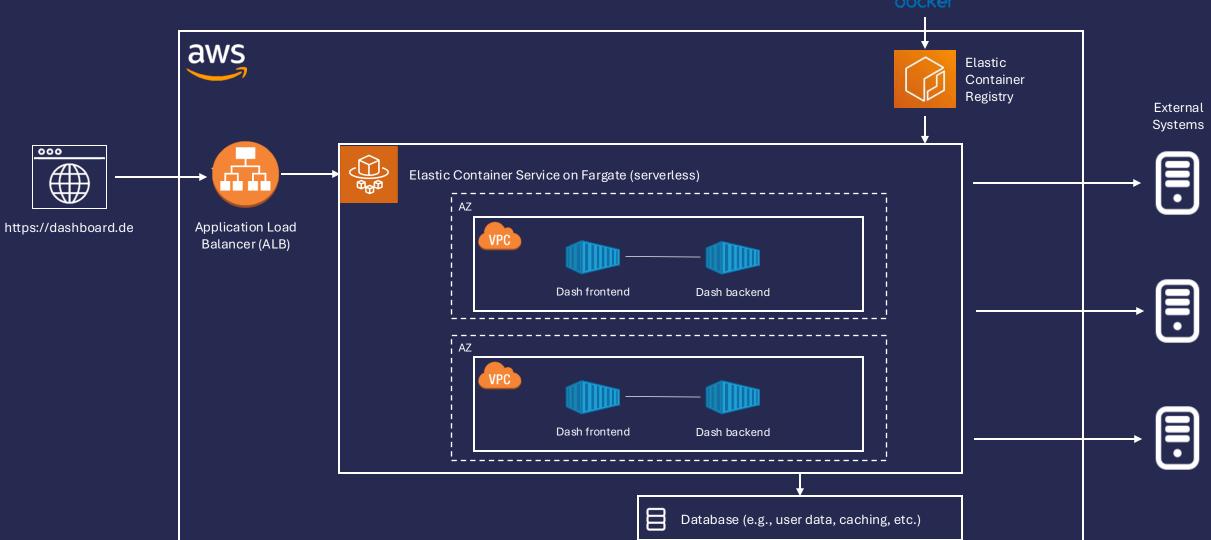


Task 2: Cloud Deployment Architecture



Automated deployments via CI/CD pipelines





Potential Difficulties and Challenges



Scaling



Latency & Performance



Security



Management Overhead

Auto-scaling based on custom CloudWatch Metrics

Optimized data retrieval with caching Geographically distributed regions

Set up IAM roles
Use SSL encyrption

Avoid management of EC2 instances by using Fargate

Task 3: Natural Language Integration

