Scaling Out with Load Balancers

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Overview

Load balancers

Globoticket architecture

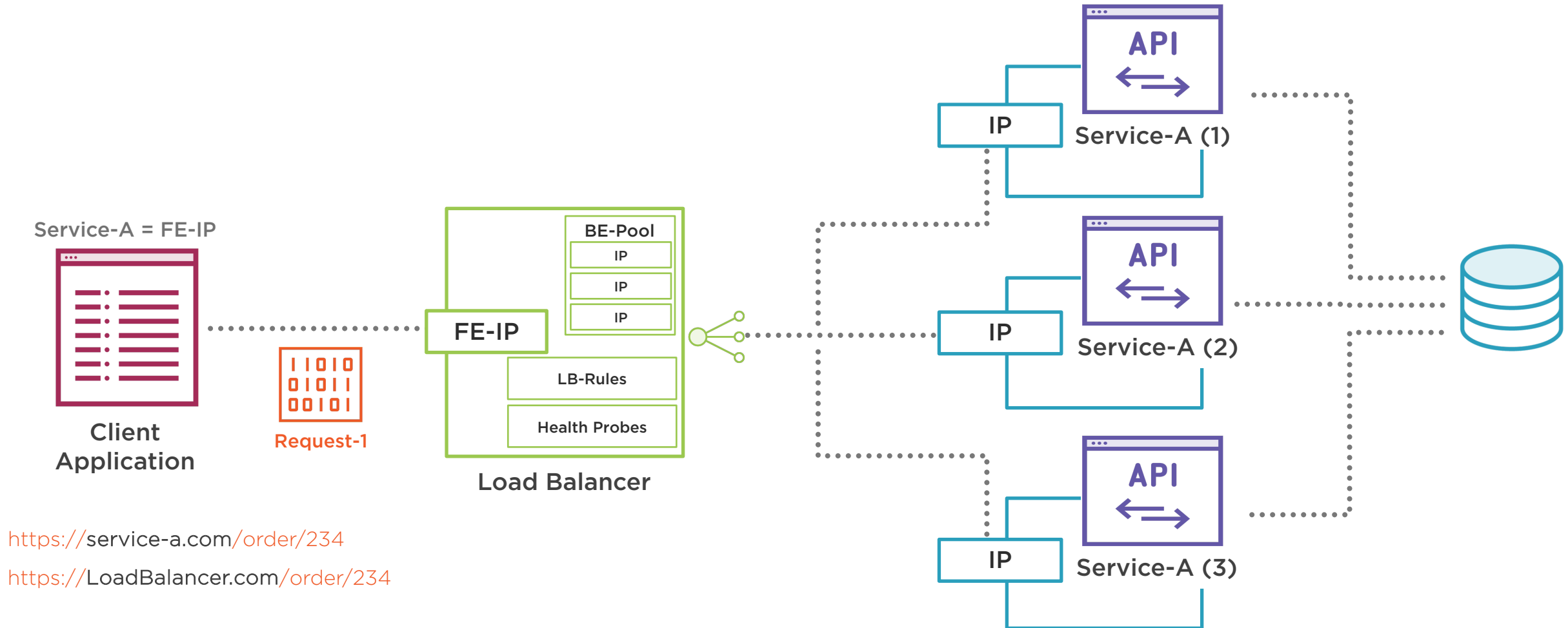Setting up a load balancer for scalability

Testing scalability and availability
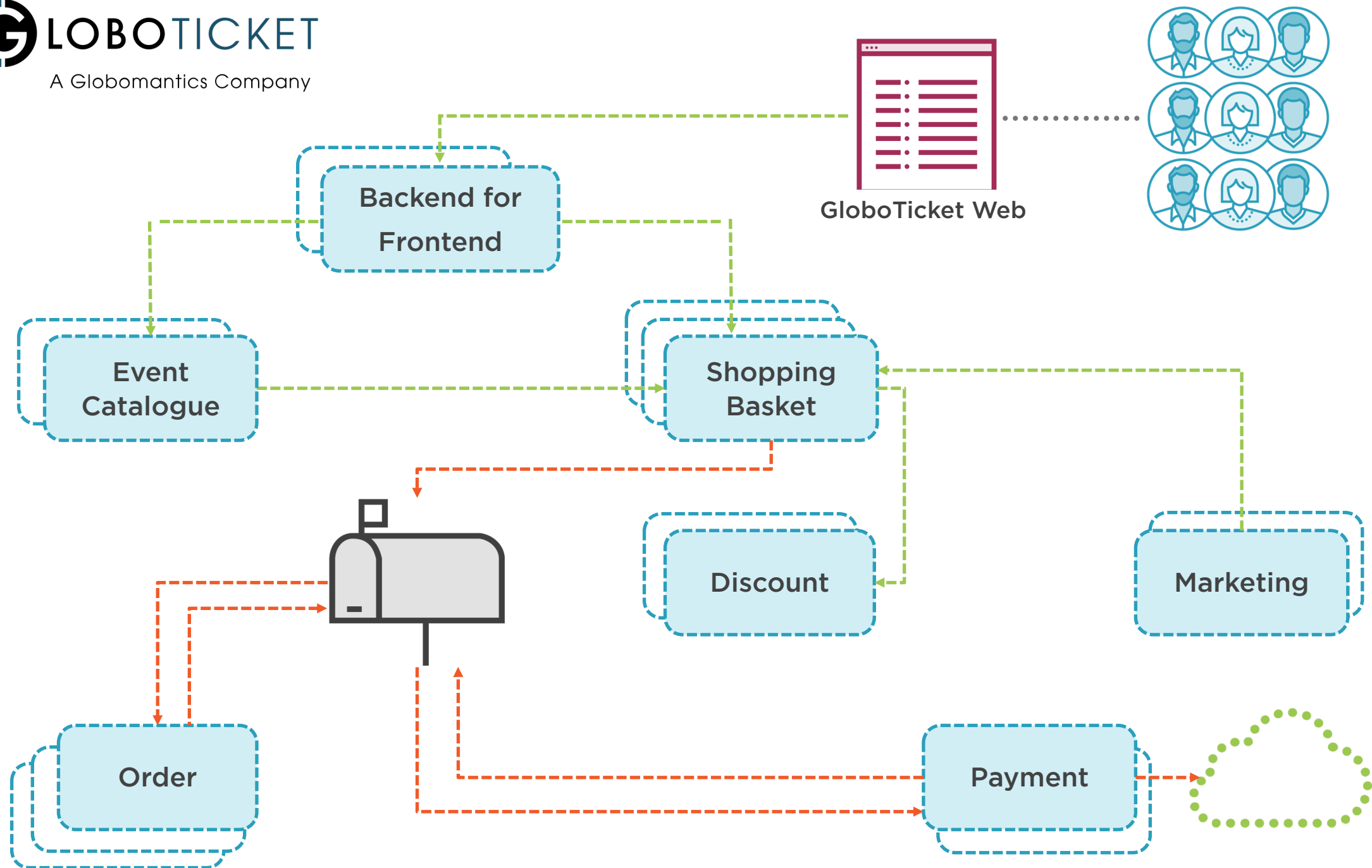
Load Balancers

Load Balancers

Client Application

Service-A = FE-IP

Request-1

https://service-a.com/order/234

https://LoadBalancer.com/order/234

Load Balancer

FE-IP

BE-Pool
IP
IP
IP

LB-Rules

Health Probes

IP — API ⇄ Service-A (1)

IP — API ⇄ Service-A (2)

IP — API ⇄ Service-A (3)

Demo

Globoticket architecture

- Client and server-side applications
- Load balancing requirements

Demo

Setting up a load balancer for scalability

- Frontend IP address
- Backend pool
- Health probes
- Load balancing rules

Demo

Testing scalability and availability

- Scaling out

- Increased availability

- Testing with Globoticket architecture

Summary

Load balancers

Globoticket architecture

Setting up a load balancer for scalability

Testing scalability and availability