

Adding a Caching Service



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Overview

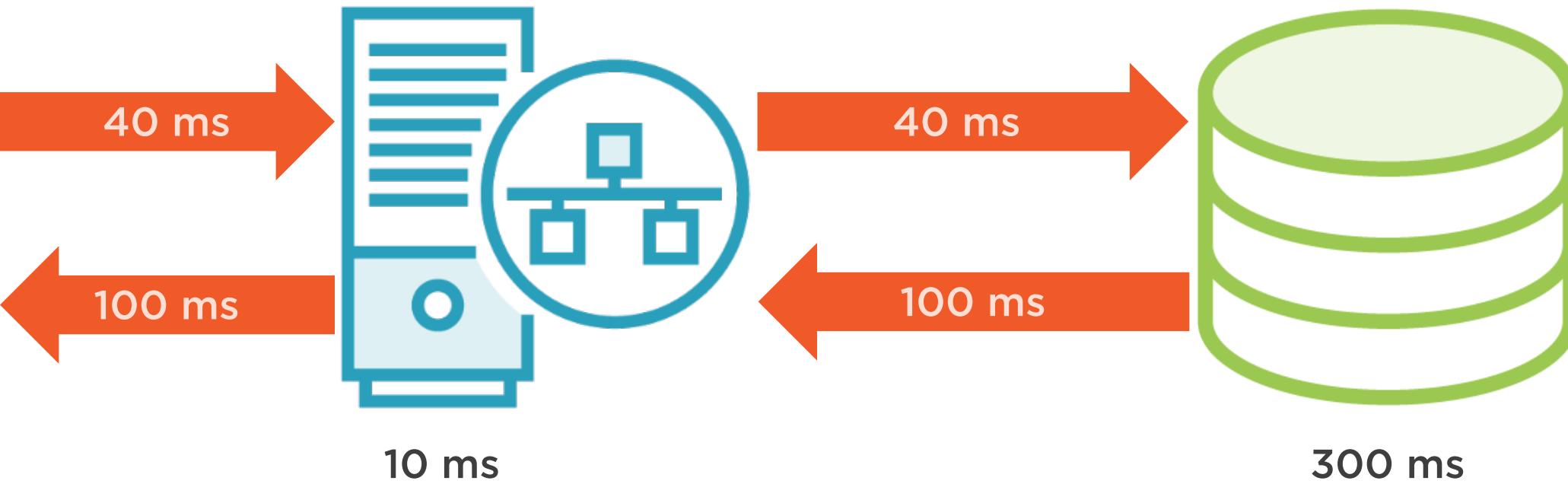


Current State

Architectural Options



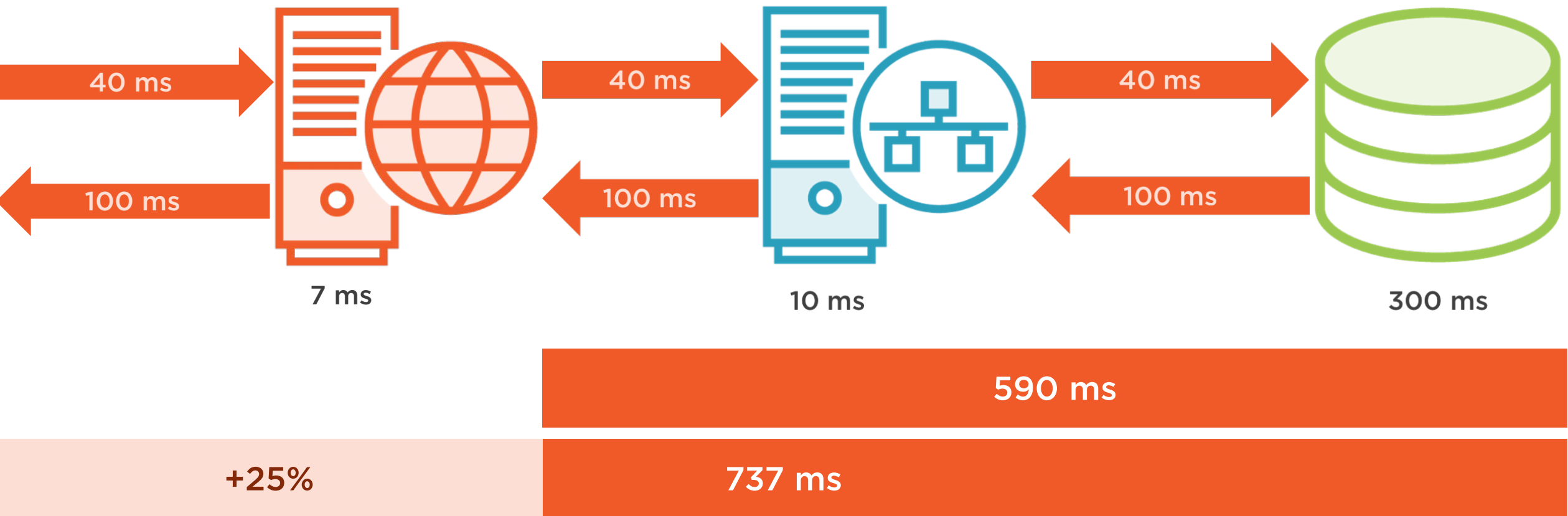
Initial Application



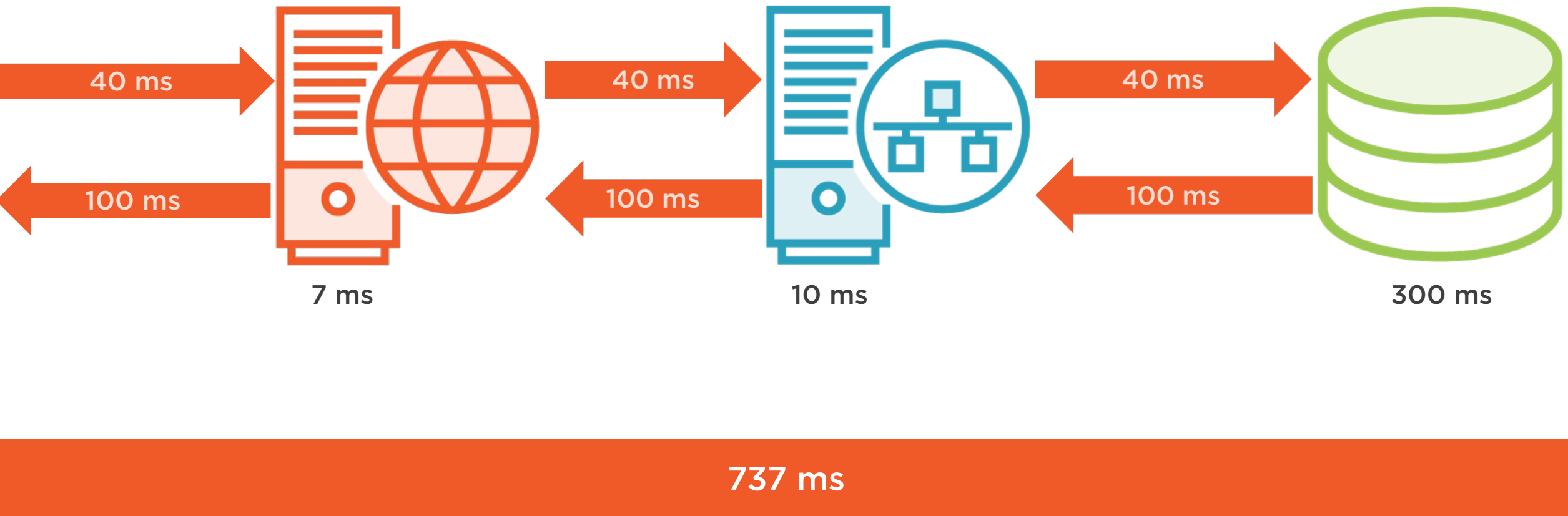
590 ms



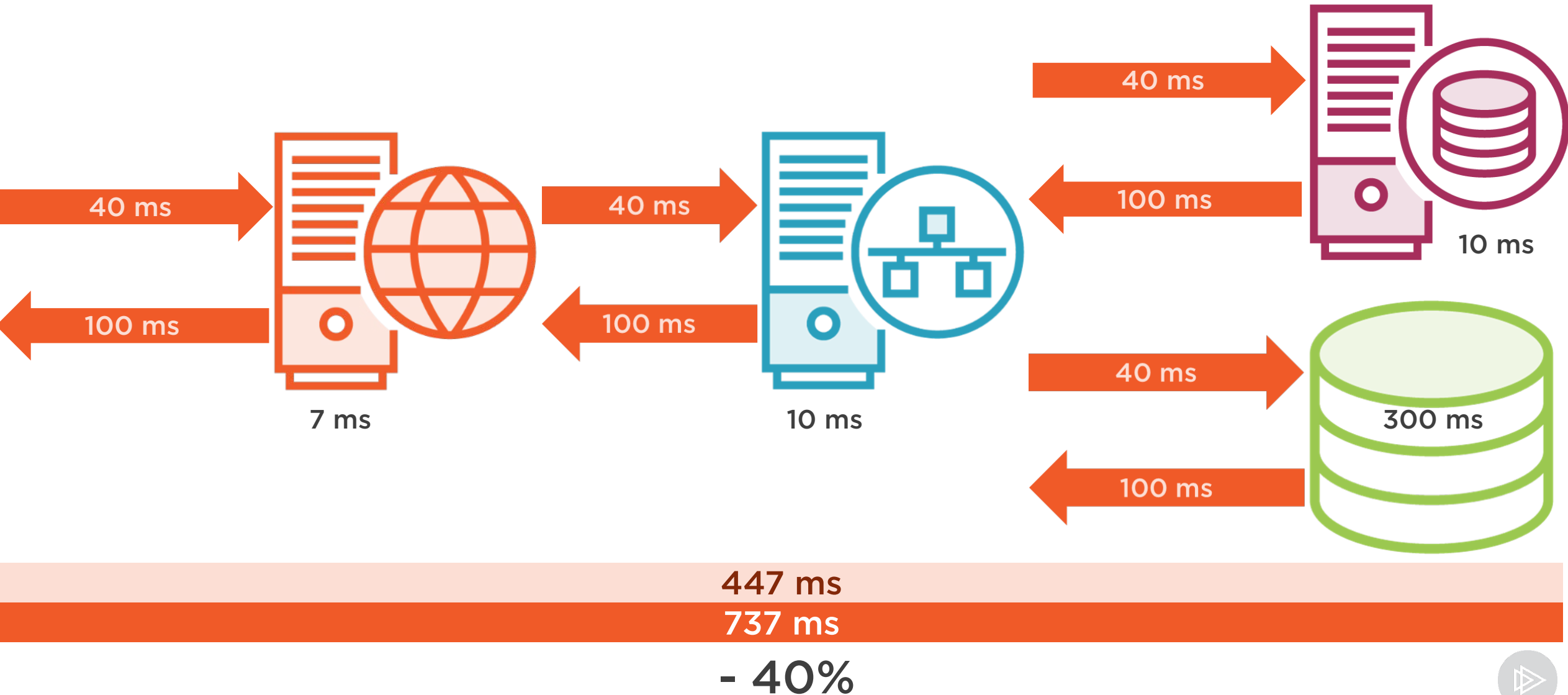
Current Application



Target Architecture



Target Architecture



Caching Strategy

**Integrate into
Load Balancer**

**Integrate into
App Servers**

**Independent
Service**



Caching Strategy

Integrate into Load Balancer

Fastest

Efficient

Complicated cache control

Integrate into App Servers

Easiest

Least Efficient

More cache misses

Independent Service

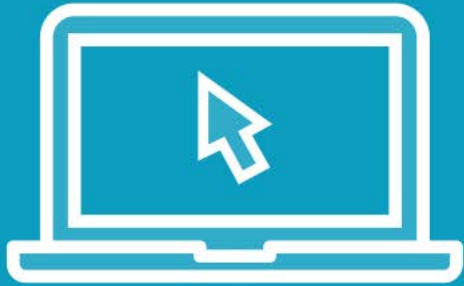
Scalable

Efficient

Least Performant



Demo



Store data

Expiration

Invalidation



Summary



Current State

Architectural Options

- Integrated into load balancer
- Integrated into application servers
- Independent service

