

SERVICE DISCOVERY IN PROGRESS

0conf routing im eigenen RZ

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SERVICE DISCOVERY IN PROGRESS

Deposit Solutions GmbH

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ZINS|PILOT

CO|MONEA

SERVICE DISCOVERY IN PROGRESS

Wie alles begann...

1 Rechenzentrum

80% CentOS 6 20% CentOS 7

SERVICE DISCOVERY IN PROGRESS

März 2016

4 Apache 2.2 Server RR je 1 Public IP/Server

~ 40 Microservices

Shell script Deployment

statisches Routing

SERVICE DISCOVERY IN PROGRESS

März 2016

mod_rewrite

mod_rewrite

mod_rewrite

SERVICE DISCOVERY IN PROGRESS

Der Auftrag:

Service basiertes Routing für alle Domains

Inter Service routing

Manuelle Aufwände reduzieren

Sichere Webserver in der DMZ

SERVICE DISCOVERY IN PROGRESS



Geschrieben in GO

Oconf

SNI Full End to End TLS

Traffic Shaping

SERVICE DISCOVERY IN PROGRESS



Backend für Fabio

Service Registry

Key Value Store

DNS

SERVICE DISCOVERY IN PROGRESS

Juni 2016 Halbzeit

2 Rechenzentren

60 % CentOS 6 40 % CentOS 7

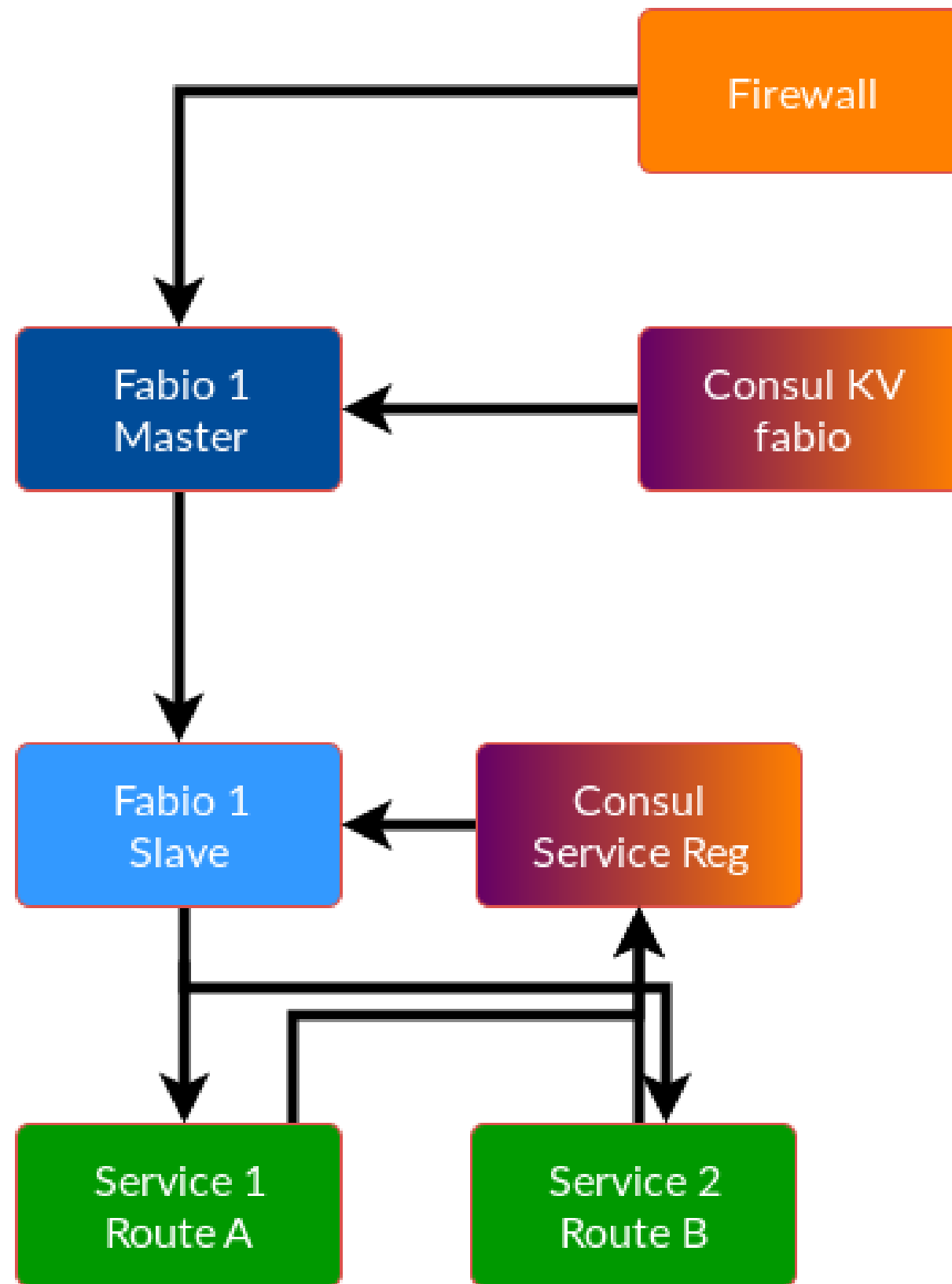
1 Public IP / TLS Cert

Systemd & Docker Deployment

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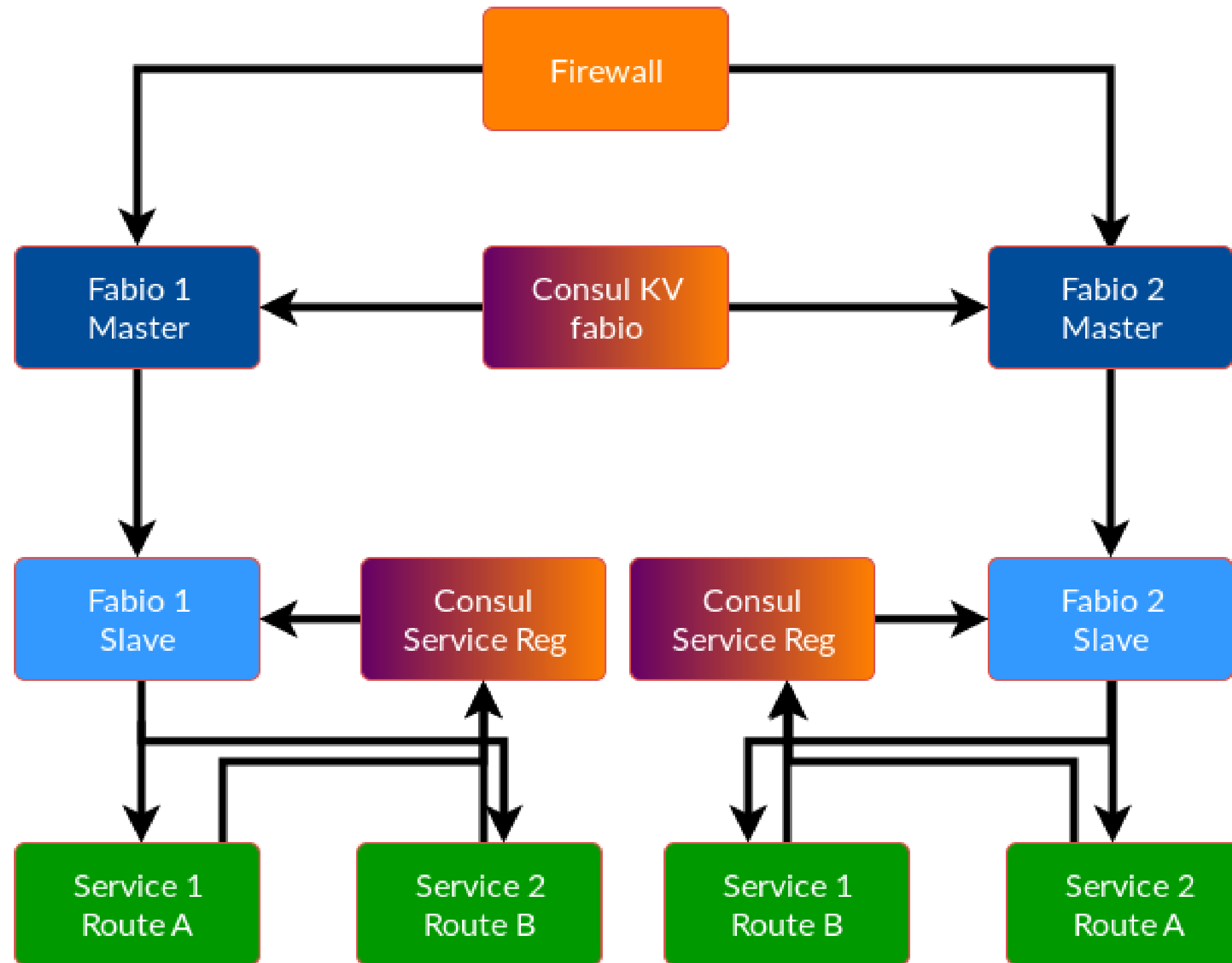
Dezember 2016

Fabio 1.3.5 und Consul Cluster

1 Public IP / DC bzw. Client Zertifikat

Registrierung der Services "on deploy"

SERVICE DISCOVERY IN PROGRESS



SERVICE DISCOVERY IN PROGRESS

wie es weiter geht...

2 - 4 Rechenzentren

60% CentOS7 40 % Legacy

Multi DC Failover und Routing

Let's encrypt integration

Consul DNS für inter Service routing

SERVICE DISCOVERY IN PROGRESS



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<https://github.com/raben2/0conf-routing-demo>

<https://github.com/eBay/fabio>

<https://github.com/hashicorp/consul>

<https://www.deposit-solutions.com>