

DNS-ACCOUNT-01

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DNS-01

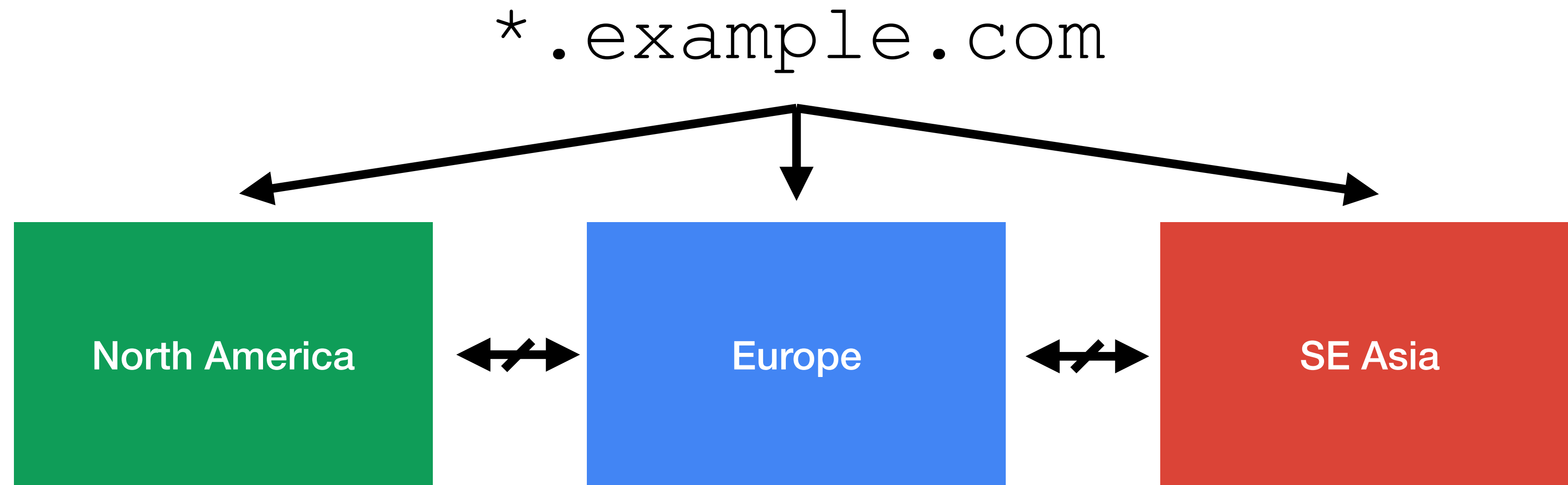
_acme-challenge.example.com

_acme-challenge.example.com

IN CNAME

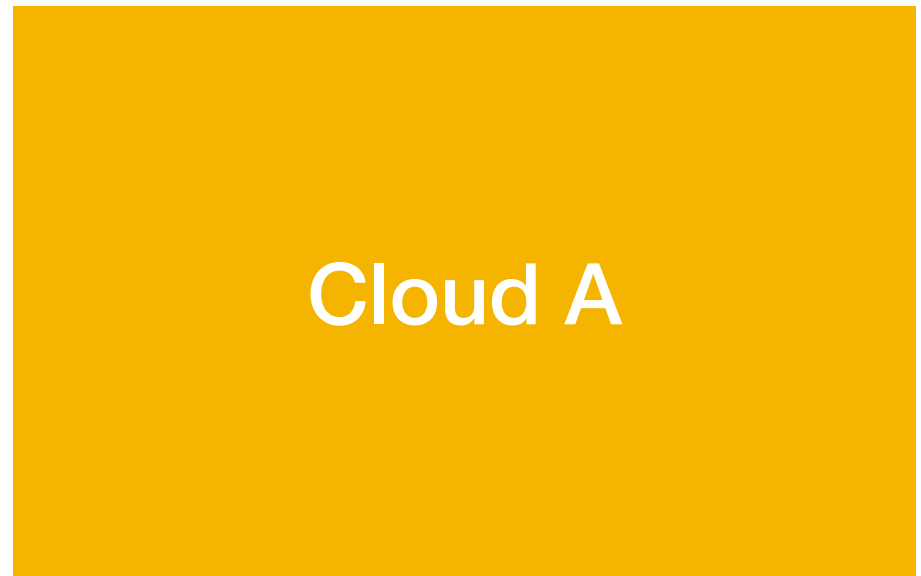
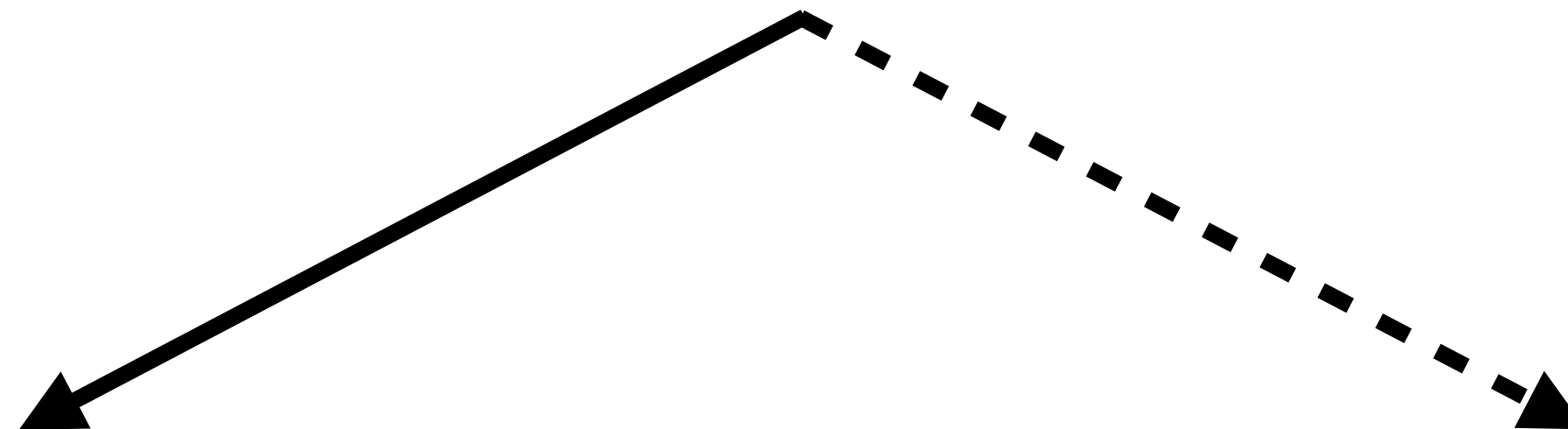
challenge-solver.example.org

Multi-Region Deployments

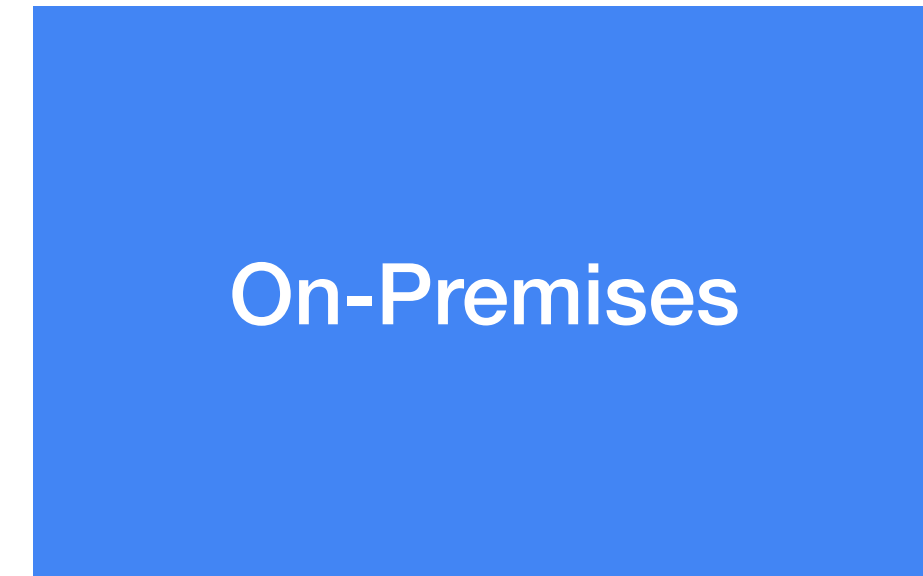


0-Downtime Migrations

*.example.com



Cloud A



On-Premises

cloud-solver.example.org

premises-solver.example.net

Things to avoid

- Manual work
- Copying of private keys around
- Downtime
- Dependencies between autonomous regions

_acme-challenge.example.com

IN CNAME

challenge-solver.example.org

_acme-challenge.example.com

IN CNAME

challenge-solver.example.org

challenge-solver.example.net

DNS-ACCOUNT-01

_acme-challenge_aqsjotdikmbjarmm

_acme-challenge_aqsjotdikmbjarmm

_acme-challenge_aqsjotdikmbjarmm

aqsjotdikmbjarmm

base32 (sha256 (AccountResourceURL) [0:9])

aqsjotdikmbjarmm

base32 (sha256 (AccountResourceURL) **[0:9]**)

```
_acme-challenge_aqsjotdikmbjarmm  
      IN CNAME  
      solver01.example.org
```

```
_acme-challenge_igdhq74wtezyyhzv  
      IN CNAME  
      solver02.example.net
```


WebPKI

CA/B F BR 3.2.2.4.7

Resources

- Latest HTML Draft

- <https://daknob.github.io/draft-todo-chariton-dns-account-01/>

- Latest TXT Draft

- <https://daknob.github.io/draft-todo-chariton-dns-account-01/draft.txt>

- Datatracker

- <https://datatracker.ietf.org/doc/draft-todo-chariton-dns-account-01/>