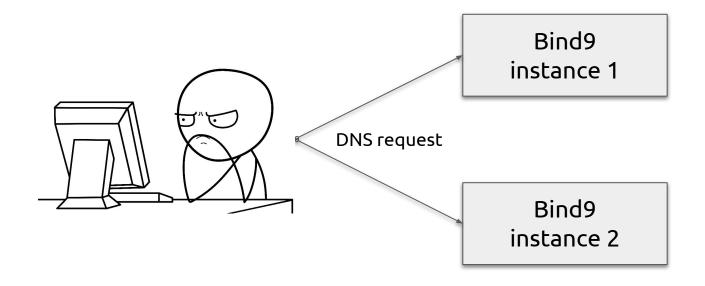
## IT Infrastructure services

Roman Kuchin Juri Hudolejev 2022

# Everything should die!

## DNS redundancy: round-robin



\$ cat /etc/resolv.conf
nameserver 10.0.0.1
nameserver 10.0.0.2

## HA setups

#### Master

Original zone database Serial Number DNS sync

#### Slave

Copy of zone database Same serial Number Read-only

#### Master

Original zone database Serial Number

#### Master

Original zone database Same serial Number

Service for file sync

### SOA record

#### Example of zone database:

```
$TTL 604800
example.com.
                IN
                      SOA
                            vm1.example.com. admin.example.com. (
                                 : Serial
                                 : Refresh
                 604800
                  86400
                                 ; Retry
                2419200
                                 ; Expire
                                 ; Negative Cache TTL
                 604800
example.com.
                IN
                         vm1
example.com.
                IN
                         vm2
                      ΙN
                           Α
                                 10.0.0.1
vm1
                              10.0.0.2
vm2
                      IN
```

#### Example of SOA request:

```
$ dig soa +short google.com
ns1.google.com. dns-admin.google.com. 344600895 900 900 1800 60
```

## Our HA setup

