16ANN98495.0085.PD51:4897:ZD95:M033:PK96:4821:N584:ER52:IB84:4792:CD84:AI077:5I89:8005:0V 16ANN98495.DNSSEC.Workship. 10VM7:BC08:GH05:1202:0HC2:RD14:BM21:0514:4NK3:DK12:DB42:AI077:SI89:8005:0V Timo Võhmar

# Introduction

- About Estonian Internet Foundation
- DNSSEC what, why, when
- Techie stuff
- Actual work
- Current situation



### **Estonian Internet Foundation**

- Since 2010
- Team of 11
- 75000 domains
- 38 registrars
- Zone updates every 10 min (IXFR)
- IDN since 2012
- DNSSEC since 2014



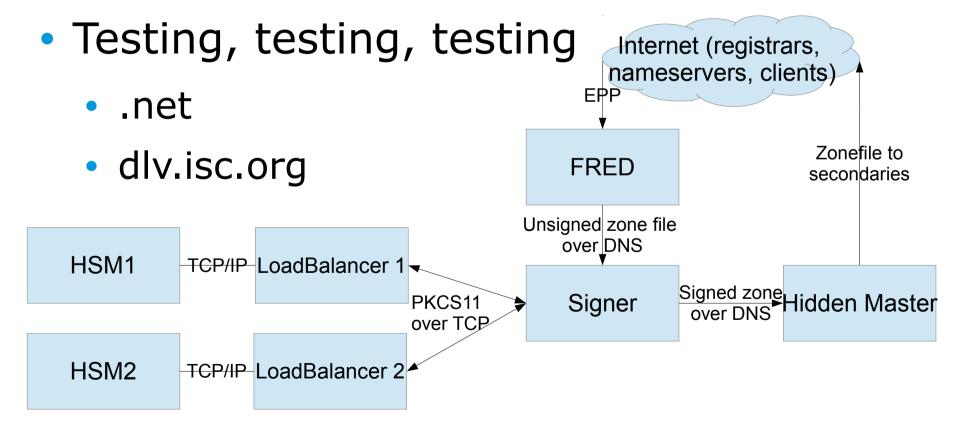
#### DNSSEC

- Why? Because everyone was doing it.
- Target: organisations that deal with money and sensitive personal info
  - Well justified goal is important success factor
- Time to go-live 21 months
  - Public testing
  - Dealing with opposition
  - Spreading information



### Technical solution

- DNSSEC is very simple
  - BIND 9.9, Utimaco CryptoServer LAN





# Devil is in details

- Procedures
- A lot of involved parties
- Marketing and communication



# Situation today

- 1 local registrar out with DNSSEC service
- 3 of the biggest ISPs have enabled DNSSEC in resolvers
- 4 high value domains signed
- Waiting for the biggest registrar and banks to get ready to launch
- Project deadline 30. June 2014:)



TKhankeryou! Timo Võhmar timo.vohmar@internet.ee

```
2239:3WF3:0085:PD51:4897:ZD95:M033:PK96:4821
                                                                                                                      5:PD5
                                                         PO68-1202-LK11-AS32-RM21
                                                      482·NF24·RD92·SK94·4987:XC83:FT34:00
                                                                                                                       2:LK1
                 GH05·1202·0HC2·RD14·RM21·0514·4NK3·DK72·I R99·2287·4SD3·0P55·PB77·3457·DK05·C733·I IB56·5482·NF
                  S84:ER52:IB84:4792:CD84:Al077:SI89:8005:0VM7:BC08:GH05:1202:0HC2:RD14:BM21:0514:4NK3:DK12:LB91
                    :2239:3WE3:0085:PD51:4897:ZD95:MQ33:PK96:4821:NS84:FR52:IB84:4792:CD84:AI077:SLI89:8005:0VM
                                                                     57:OK11:P068:1202:I
                                                                         5482:NF24:RD92:SK94:4987:XC83:FT
                            R91-2287-45D
                                          ·OP55·PR11·3457·DK05
                             7:BC08:GH05:1202:0HC2:RD14:RM21:0514:4NK3:DK12:LB91:2287:4SD3:0P55:PB1
:OO85:PD51:4897:ZD95:MO33:PK96:4821:NS84:ER52:IB84:4792:CD84:AI077:SI89:8005:0VM7:BC08:GH05:1202:0HC2:RD14:BM21
                                                                                                                      4:4NK
                                                   :0085:PD51:4897:7D95:M033:PK96:4821:NS84:FR52:IB84:4792:CD84
       84-FR52-IR84
                                                              R52:IB84:4792:CD84:AI077:SI89:8005:0VM7:BC08:GH05:
                                                 DO22:VC91:2239:3WE3:0085:PD51:4897:ZD95:MO33:PK96:4821
                          94:49
                                   B11:345
                            OP
                            239
                         :OK11
                          5482
                                                                                               94.49
                                                                                               13:0P55:PB1
                                                        085
                                       SI89:8005:0VM7:BC08:GH05:3202:0HC2:RD14:BM21:0534:4NK3:DK92
                                                                                            5:M033:PK96:4821:N
```

72-RD14-RM21-0514-4NK3-DK1