

DS Automation@CZ

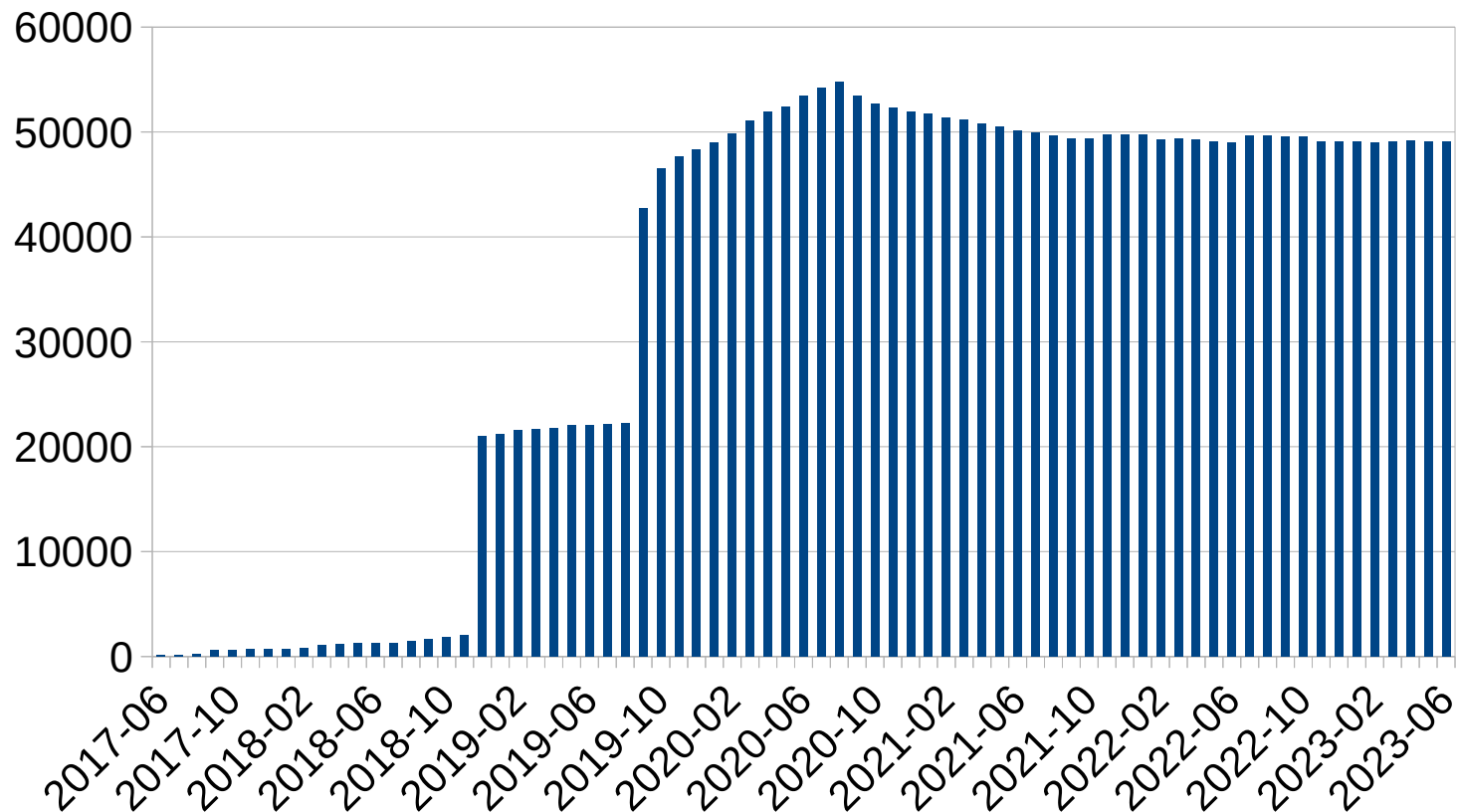
DNSSEC WS ICANN 77

Ondřej Filip • Jun 12 2023

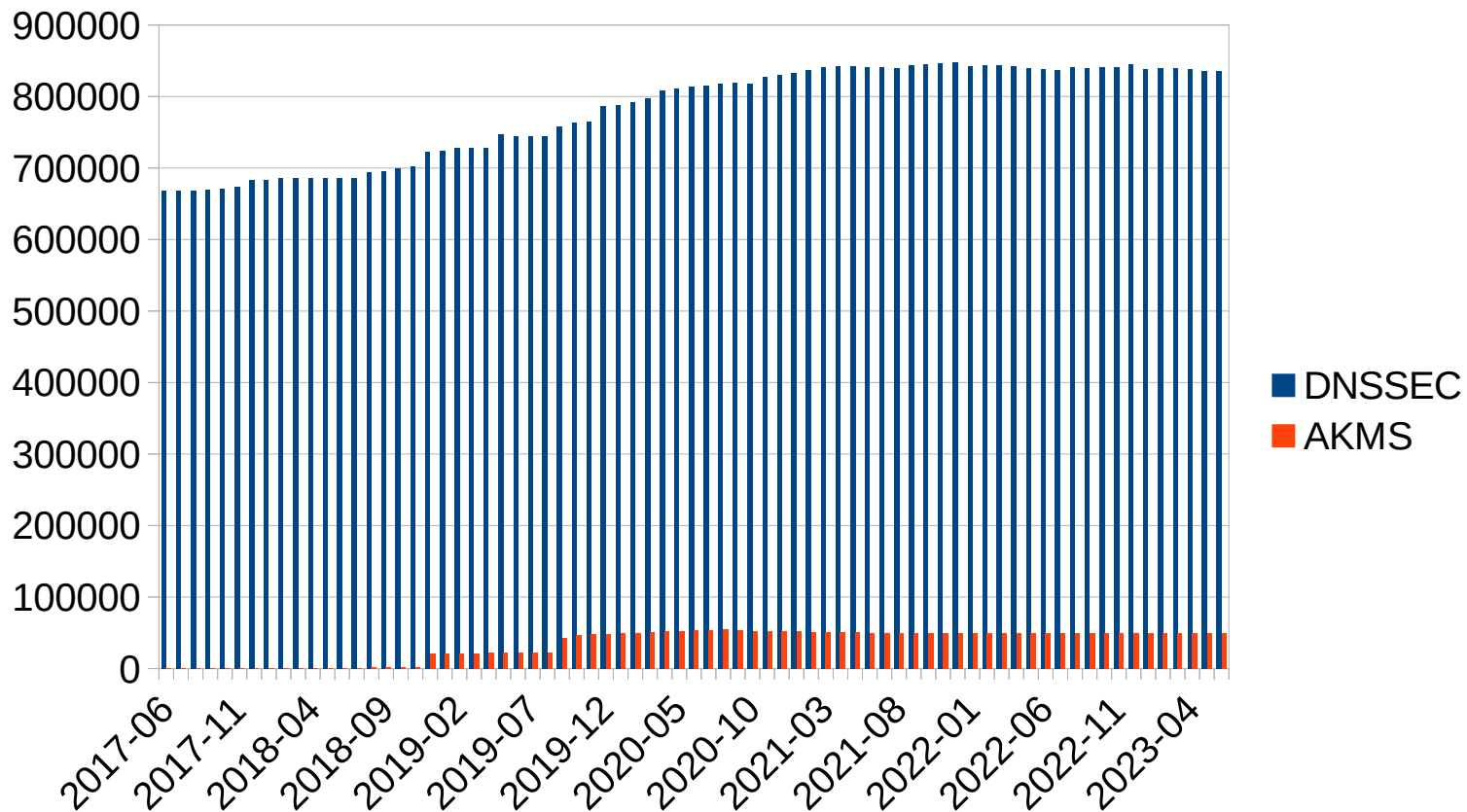
Automated KeySet Management

- DNSSEC@CZ – 57% : 835 992 / 1 466 666
- AKM - Launched in 2017
 - after discussion with registrars → registry should do it
- Scanning CDNSKEY from single site – cdnskey-scanner part of FRED
 - 7 daily scans must be identical for DNSSEC bootstrapping
 - Notification about changes via e-mail
 - Scan results stored in SQLite database
 - System linked with registry system FRED via CORBA API

Automated KeySet Management

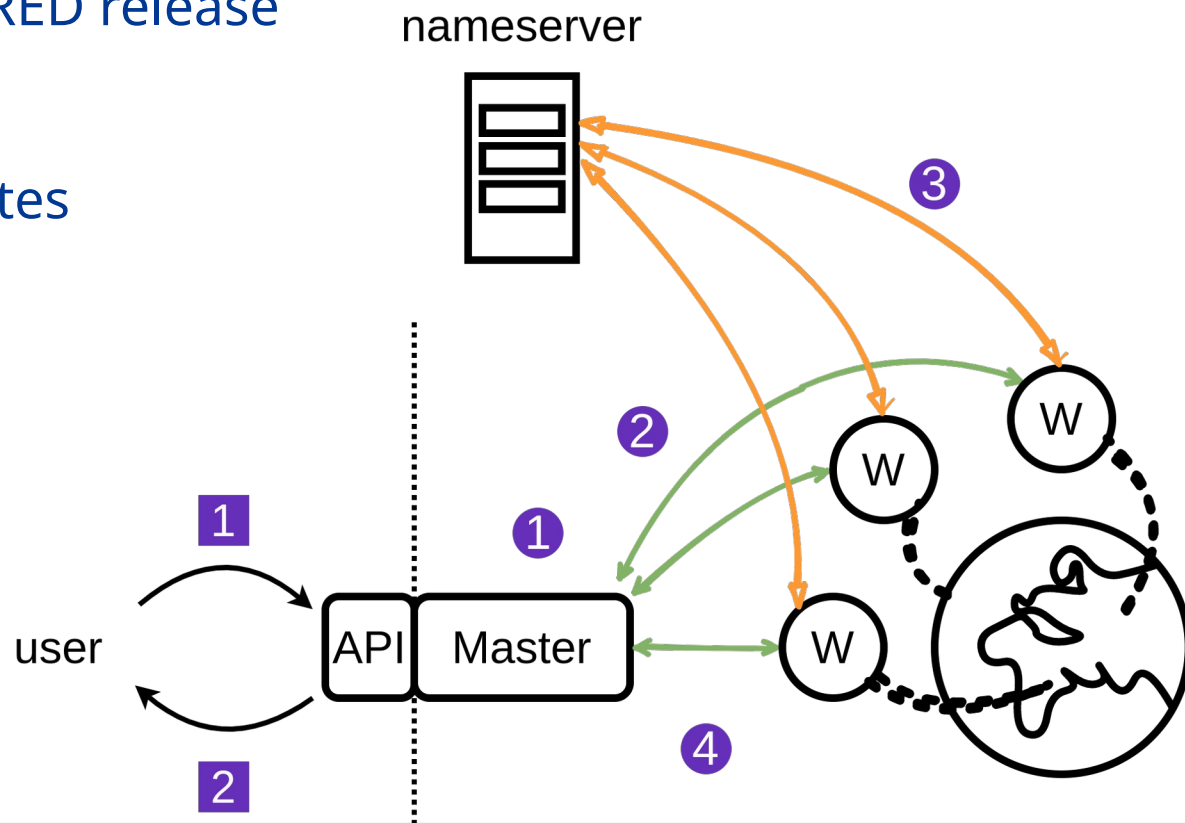


Automated KeySet Management



New system - cdnskey-processor

- Work in progress – new FRED release
- More robust architecture
- Scanning from multiple sites
- Scanning time decrease
- gRPC API



Conclusions

- CDNSKEY automation – business as usual in .cz
- Used by DNS hosters and also registrars
 - Some with Knot DNS automatic signing
- New version of scanner released this years
- Watching Automatic DNSSEC Bootstrapping – next step



Thank you!