

Migrating a high-value domain *while maintaining inner peace*



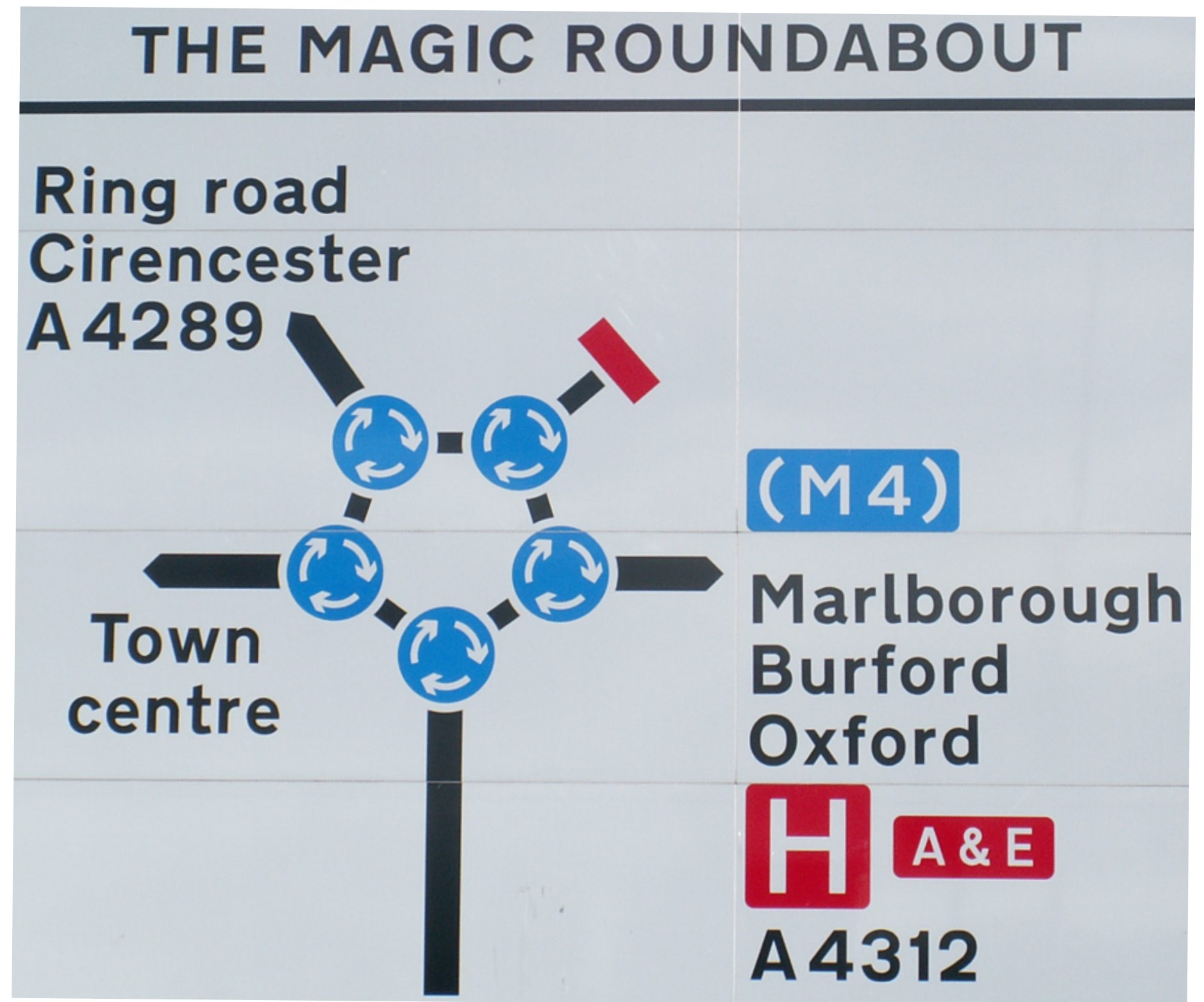
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SURF **NET**

Why migrate?

- We had a fairly complex set-up with shared keys
- We were using an old version of OpenDNSSEC that did not really support this



Guiding principles



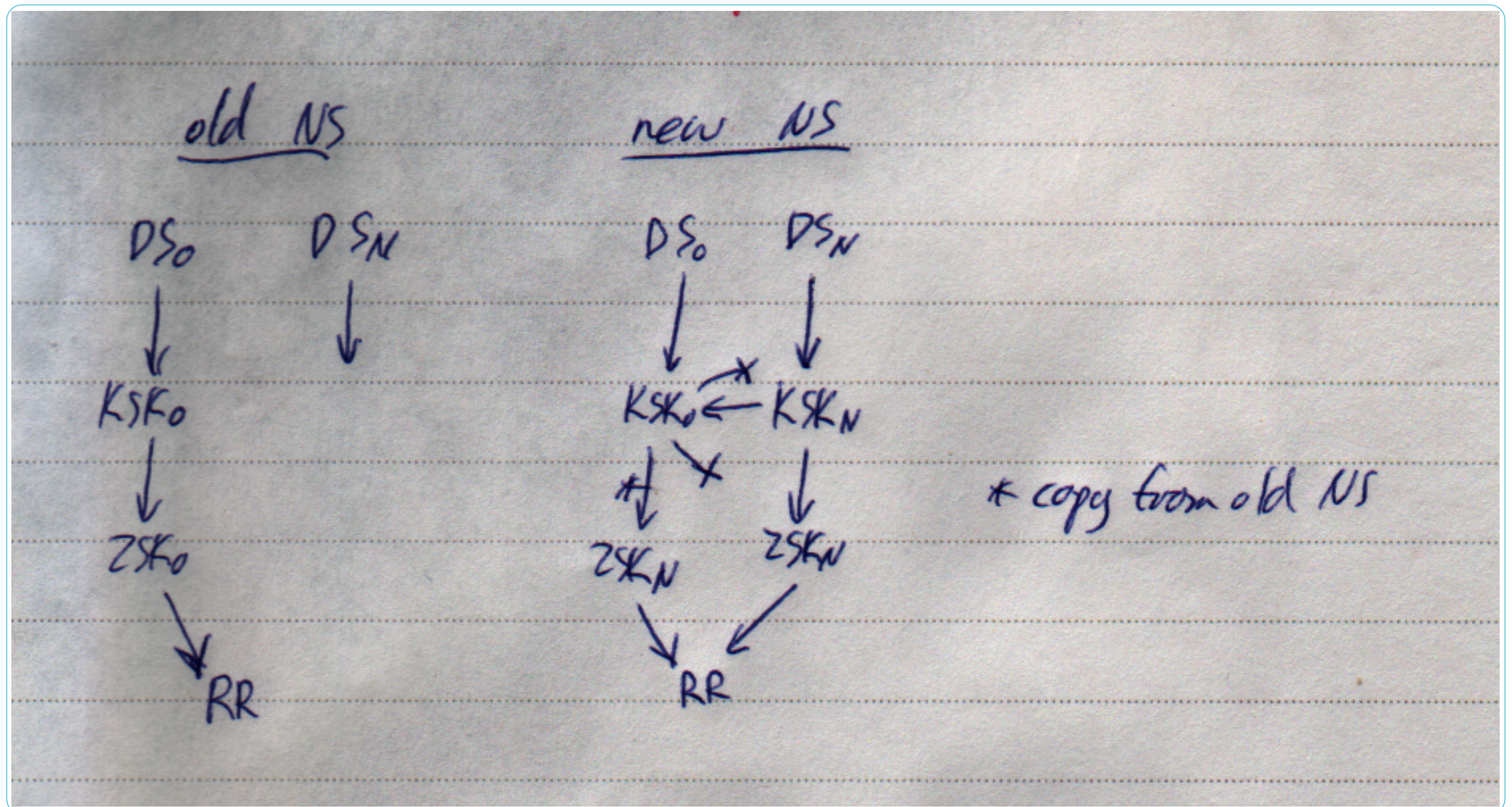
Guiding principles



Guiding principles

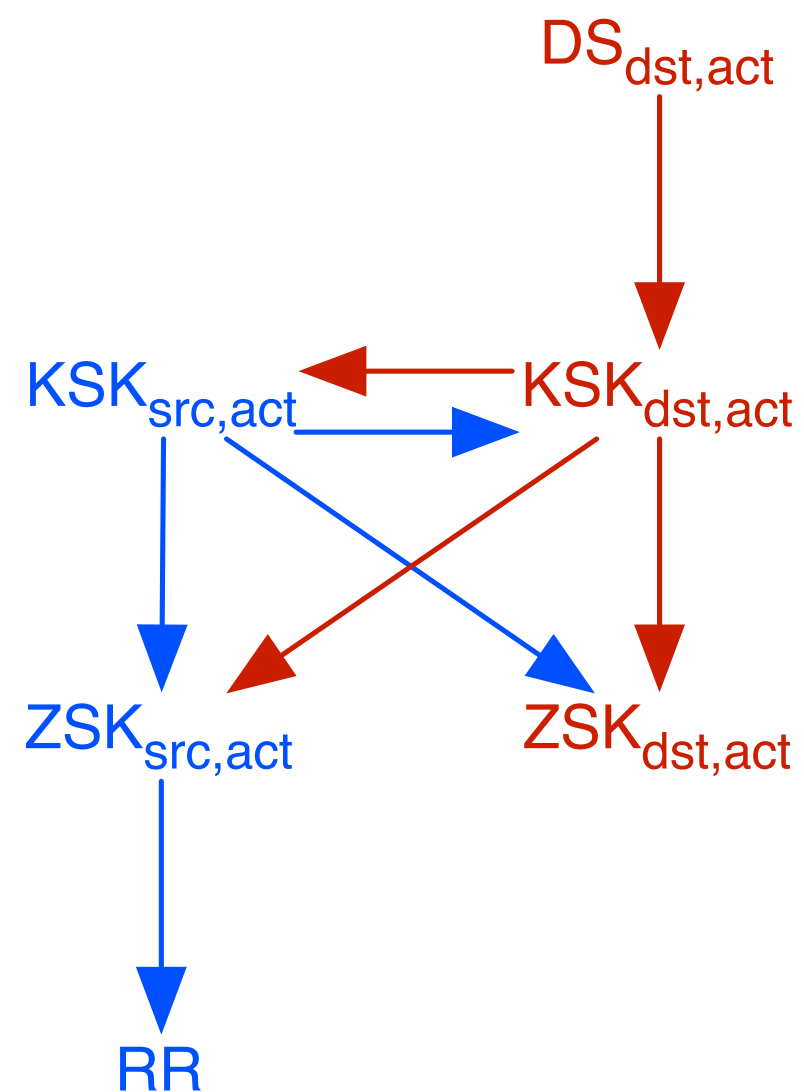
- **Manual zone editing shall be kept to a minimum**
 - Less room to make (stupid) mistakes in a high stress environment
- **The migration must take place as quickly as possible**
 - Preferable within a day

Preparing

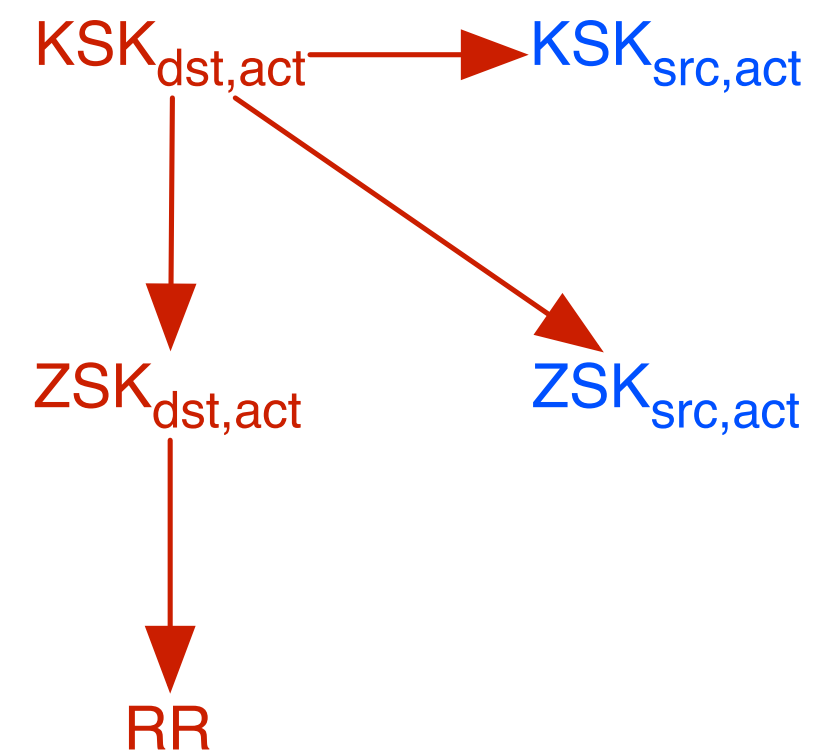


Preparing

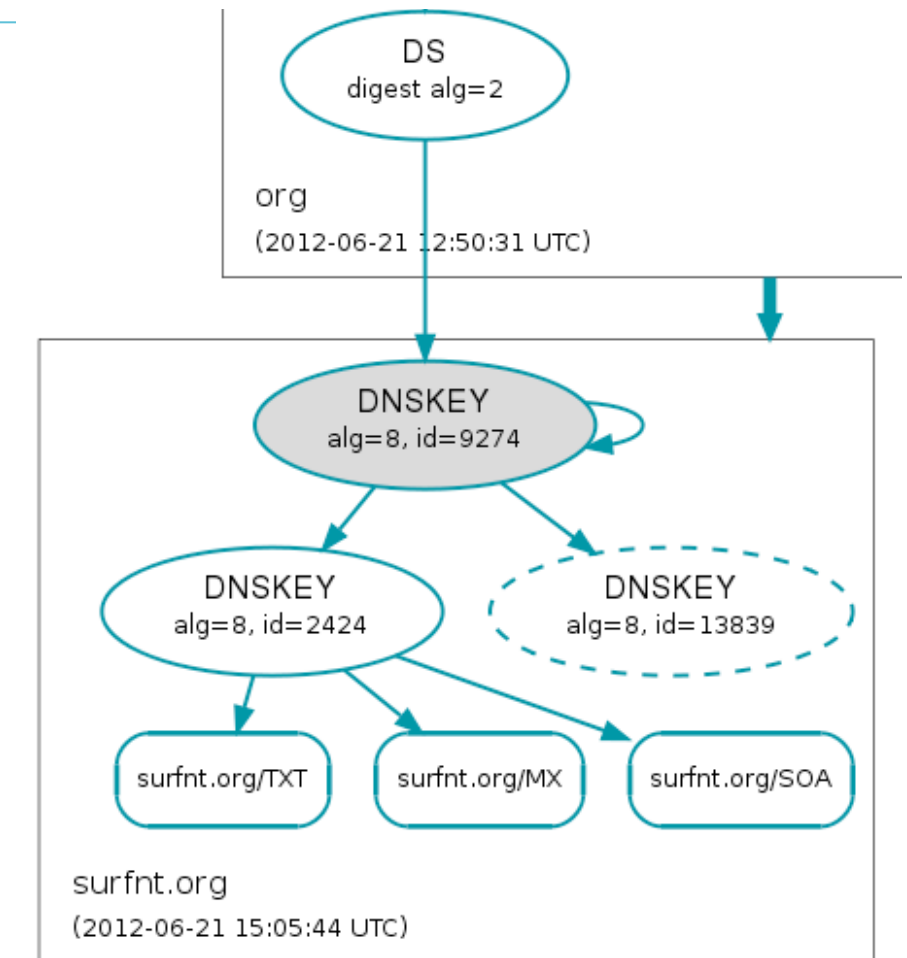
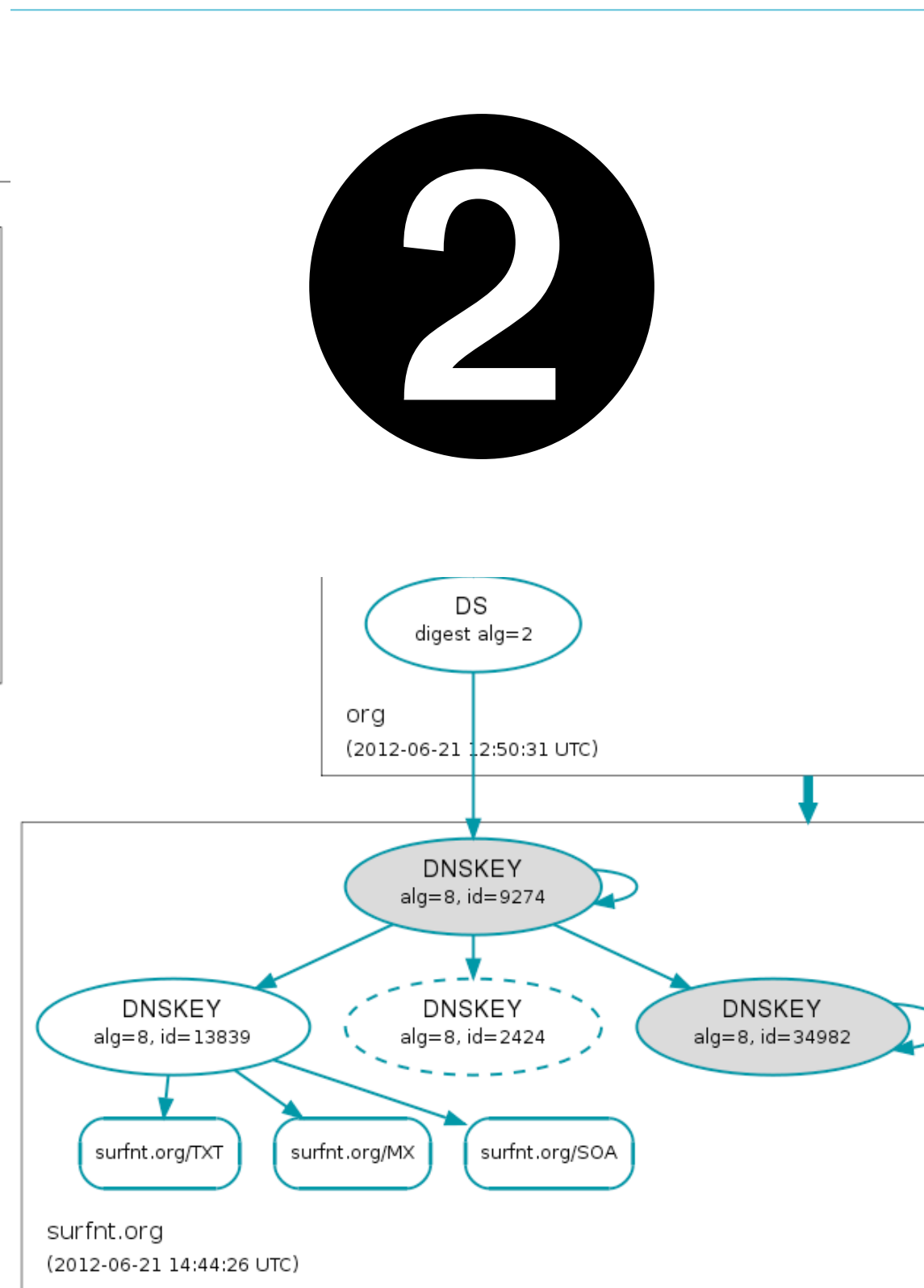
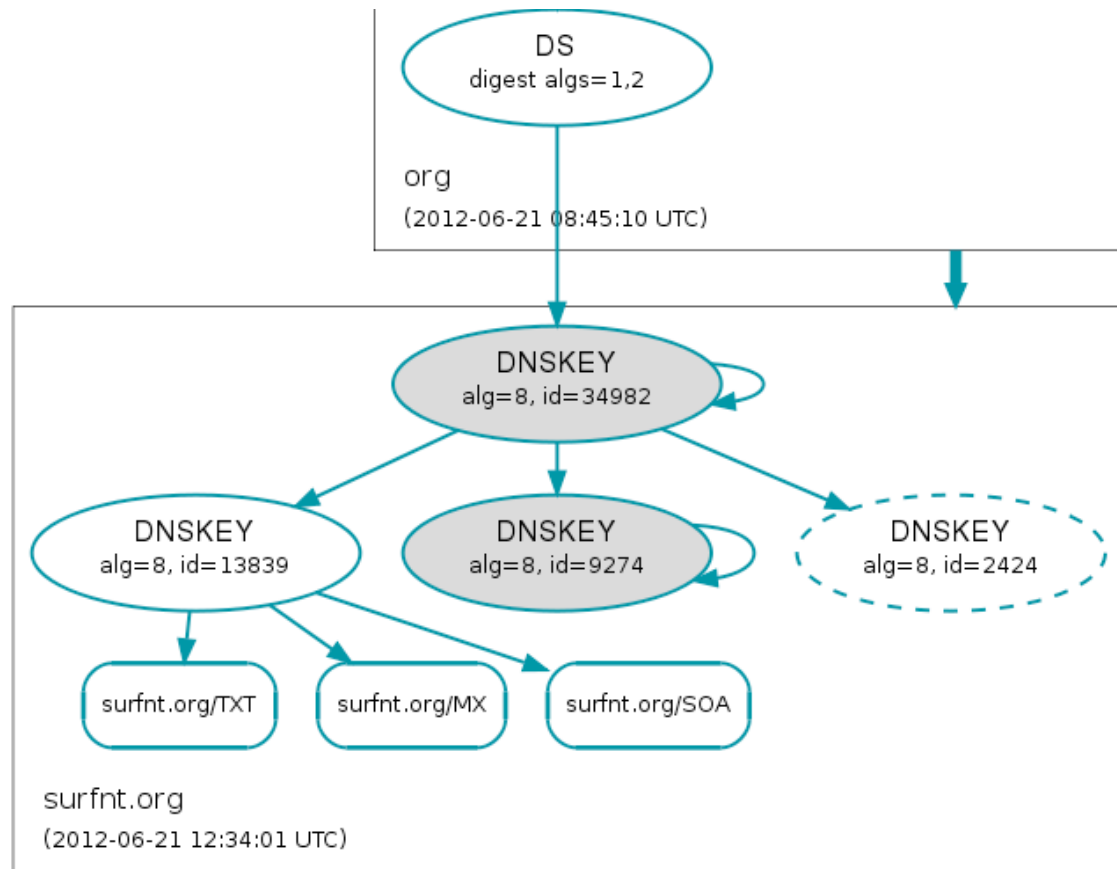
Situation on source signer



Situation on destination signer



Testing with a live domain

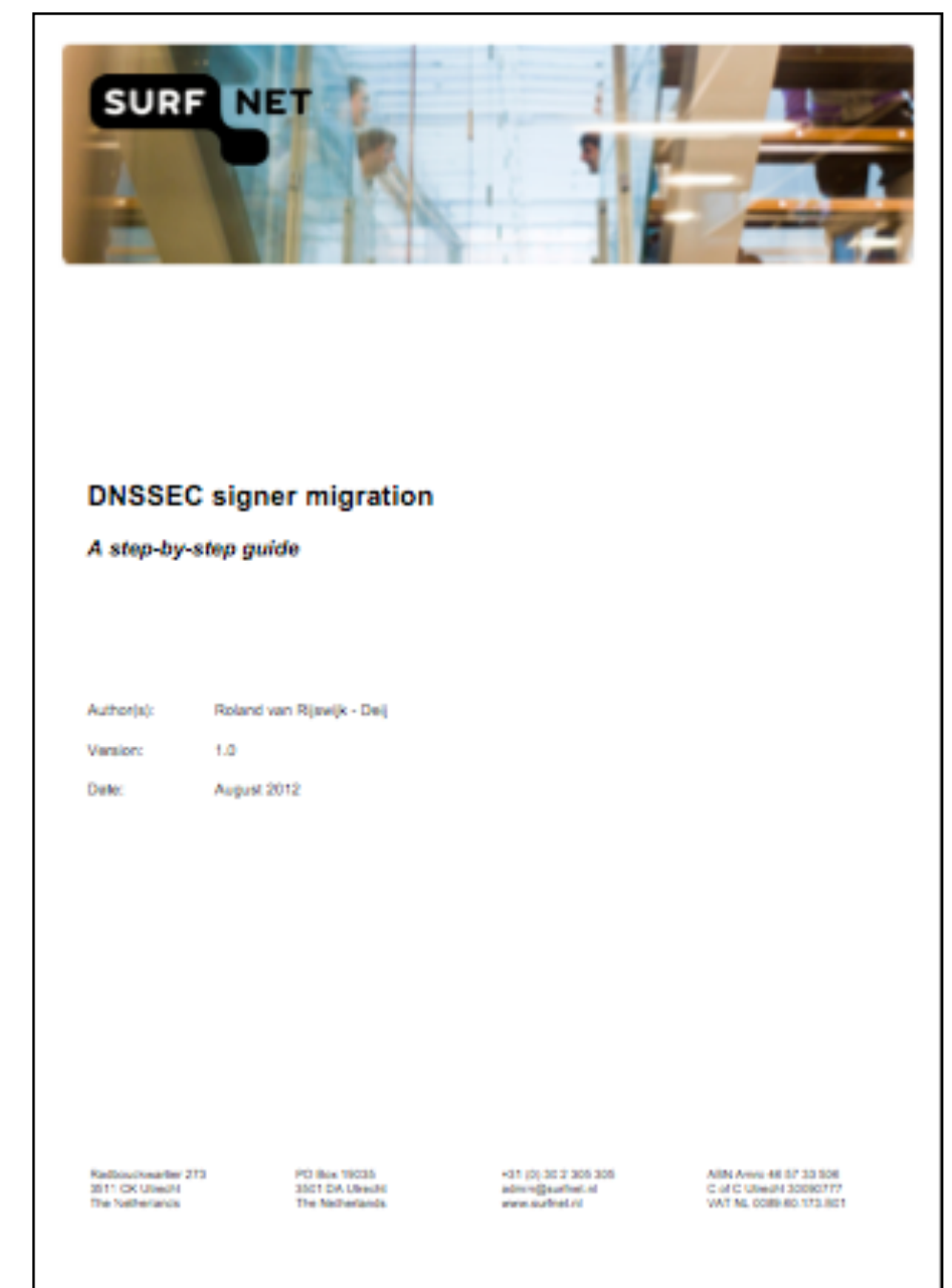


Actual migration

- **We performed the actual migration on the 4th of July**
- **Migration took about one day**
- **Nobody noticed anything, and that is exactly what we had hoped for**

Lessons learned

- Providing input based on our experience to draft-koch-dnsop-dnssec-operator-change <http://bit.ly/draft-koch>
- Published detailed document about our process and blogged about it on our DNSSEC blog <https://dnssec.surfnet.nl/>





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Questions? Remarks?

Read our blog: <https://dnssec.surfnet.nl/>