Reminder:
Why Are We Talking About Transfer?

IETF 93

Prague, CZ

Friday, 24 Jul 2015

This is a reminder of past history explaining why we are talking about transfer

From Geoff Huston's presentation at IETF87 (July 2013!)

Implications

How to maintain validity of certified resources during a process of movement of resources between CA's (registries)

4. remove 192.0.2.0/24 from a reissued certificate
6. revoke the previously issued certificate

A

1. Add 192.0.2.0/24 to a reissued certificate

3. remove 192.0.2.0/24 from a reissued certificate
5. revoke the previously issued certificate

B

D
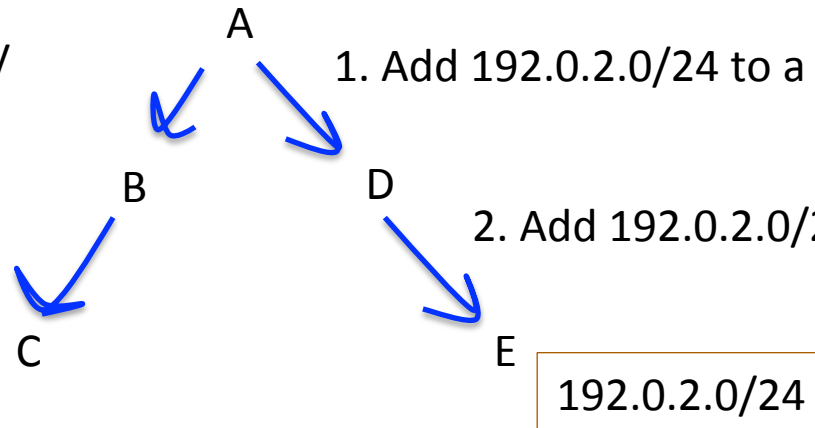
2. Add 192.0.2.0/24 to a reissued certificate

C

E

192.0.2.0/24

Operational Synchronisation

- The "receiving side" uses a top down sequence of certificate re-issuance

- The "sending side" uses a bottom up sequence of certificate reissuance in order to avoid the side effect of unintended invalidity

  – But this requires careful synchronisation of issuance actions between CA's

From John Curran's presentation at IETF91 (Nov 2014)

Next Steps?

- Evaluate the current CA operational procedures for managing transfers and RPKI certificates and document risks and mitigations?

- Develop a standard procedure for certificate management during resource transfer?

- Review the need to alter the RPKI validation process along the lines of the "validation reconsidered" draft?