

SOA values revisited

A proposed update to RIPE-203

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Overview

- Subject, Title, and ...

Recommendations for DNS SOA Values

`http://www.ripe.net/ripe/docs/ripe-203.html`

- ... Purpose and Message of RIPE 203
- As Time Goes By
- Proposed Changes

What RIPE 203 says

- Recommends values for SOA RRs' various fields
- Aims at small and stable zones
- Fixed values instead of ranges
 - Limits errors (suboptimal combinations)
 - Less argument ...

Tempus Fugit

- RIPE 203 was published in 1999
- NOTIFY was already deployed
- *Dynamic Update* existed, but not really widely used
- RFC 2308 (*-ve \$ing*) was young and not yet the default
- *Split DNS* and *Stealth Primaries* were less common
- There was no DNSSEC

Time to Adapt

- Good news: RIPE 203 seems to be used/followed, but ...
- MNAME text is ambiguous
- [negTTL](#) needs to be taken into account
- [EXPIRE](#) *may* need to adapt to DNSSEC

Proposed Changes

Field	RIPE 203	RIPE 203bis
SOA's TTL	3600	3600
MNAME	<i>primary master</i>	<i>primary master</i>
RNAME	hostmaster@\$ORIGIN	hostmaster@\$ORIGIN
SERIAL	YYYYMMDDnn	YYYYMMDDnn
REFRESH	86400	86400
RETRY	7200	7200
EXPIRE	3600000	2419200
negTTL	172800	3600
\$TTL	–	172800

