CSYNC Child-to-Parent Synchronization in DNS

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CDS/CDNSKEY

- A child zones publishes CDS / CDNSKEY records

- The parent zone (or other parties who can change the zone) scan actively for CDS / CDNSKEY (at the child apex)

- The parent zone gets updated with a new DS RRset

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CSYNC – RFC 7477

- A child zones publishes CSYNC records

- The parent zone or other parties who can change the zone scan actively for CSYNC (at the child apex)

- The parent zone gets updated with a new RRset
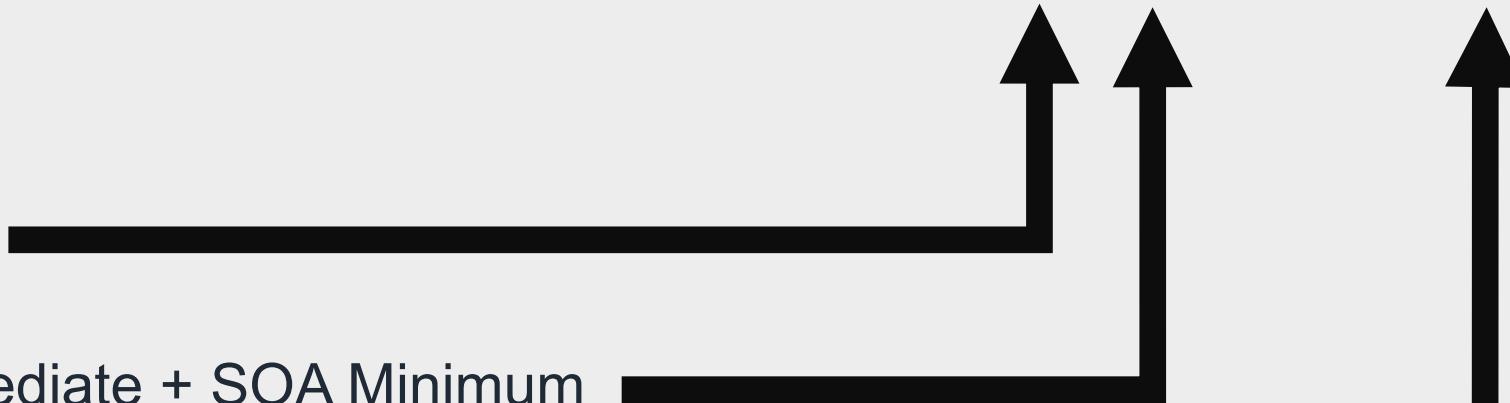
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CSYNC

- Took the Type Bit Map field of the NSEC record

- Any RR type can be specified to be synchronized to the parent

- The parent decides which types to accept

- The parent decide about policy and guidelines for acceptance

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CSYNC

- Obvious use case name server synchronization

- Type A and AAAA indicate to the parent to copy glue data

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example.com. CSYNC 66 3 A NS AAAA

SOA serial

Flags Immediate + SOA Minimum

Type Bit Map A(1) NS(2) AAAA(28)

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