



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RPKI Repository Validation in the RIPE NCC validator

draft-tbruijnzeels-sidr-
validation-local-cache-02

What it is



- an informational document that describes our validation algorithm
- supports delta protocol (RRDP, draft-ietf-sidr-delta-protocol)
- fills in gaps between other documents
- relies on PKI signed info rather than rsync URIs
- potentially supports multiple publication points
- potentially supports other retrieval protocols

What it isn't



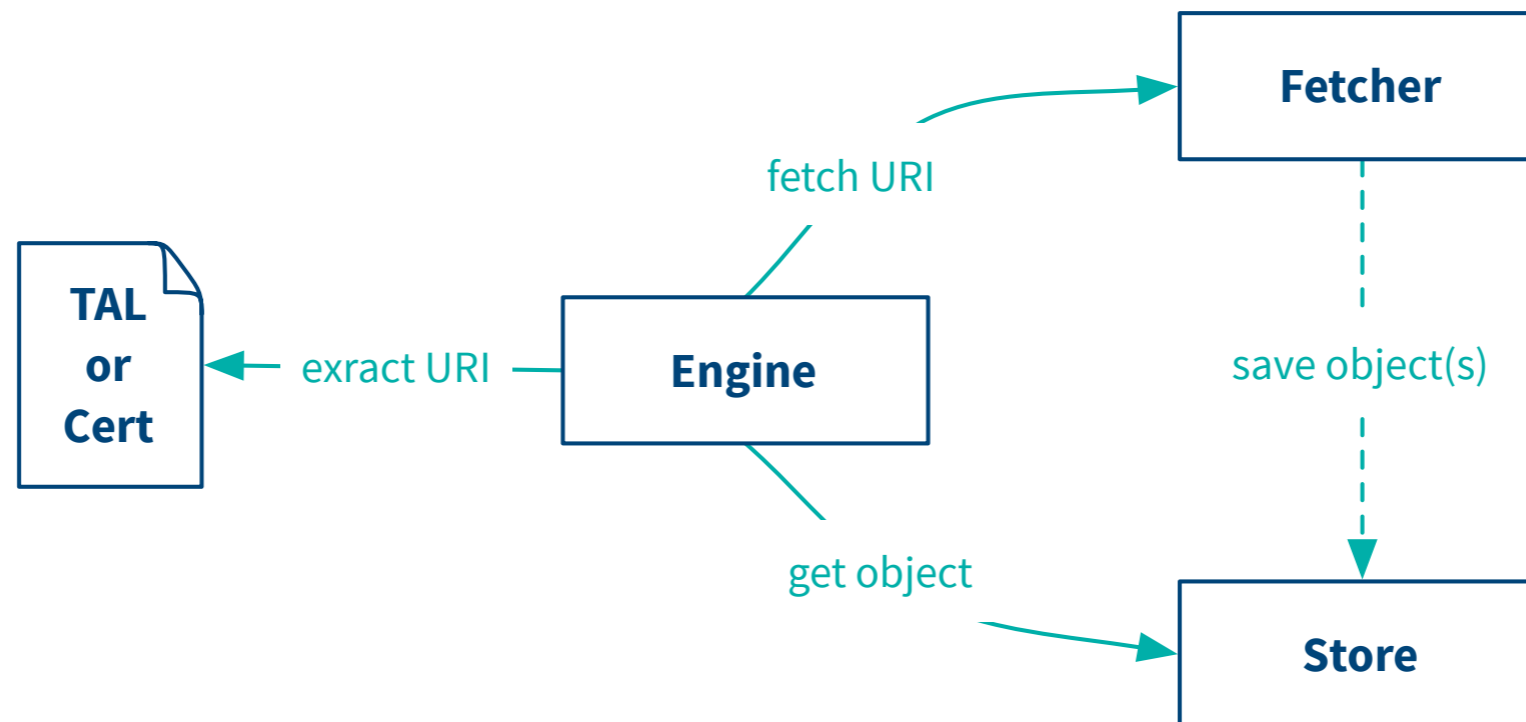
- the only way of doing it

Why "Local Cache"

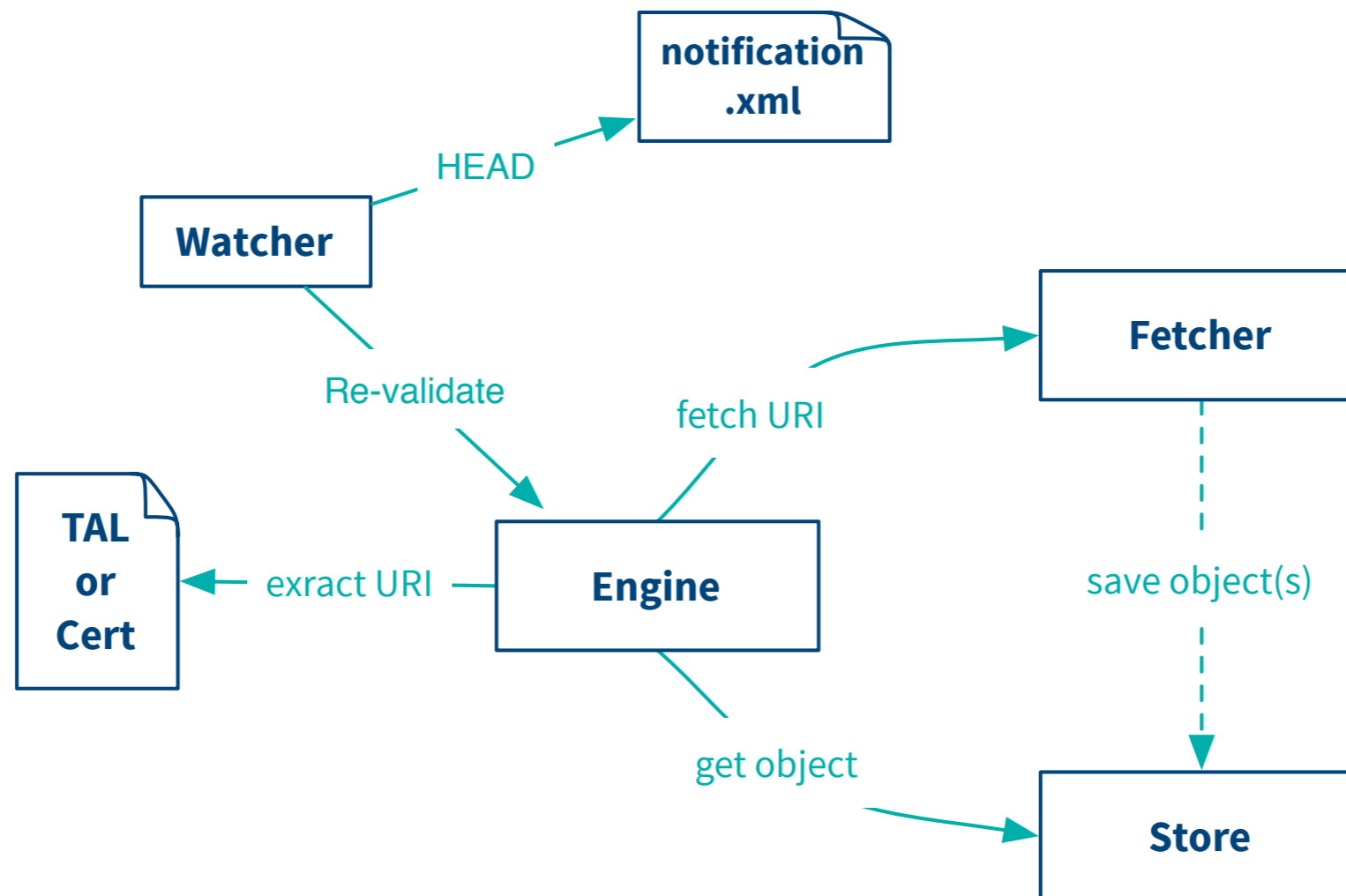


- uses both rsync and HTTPS (RRDP) for object retrieval
- possibly more than one object per URI
- separates retrieval from validation

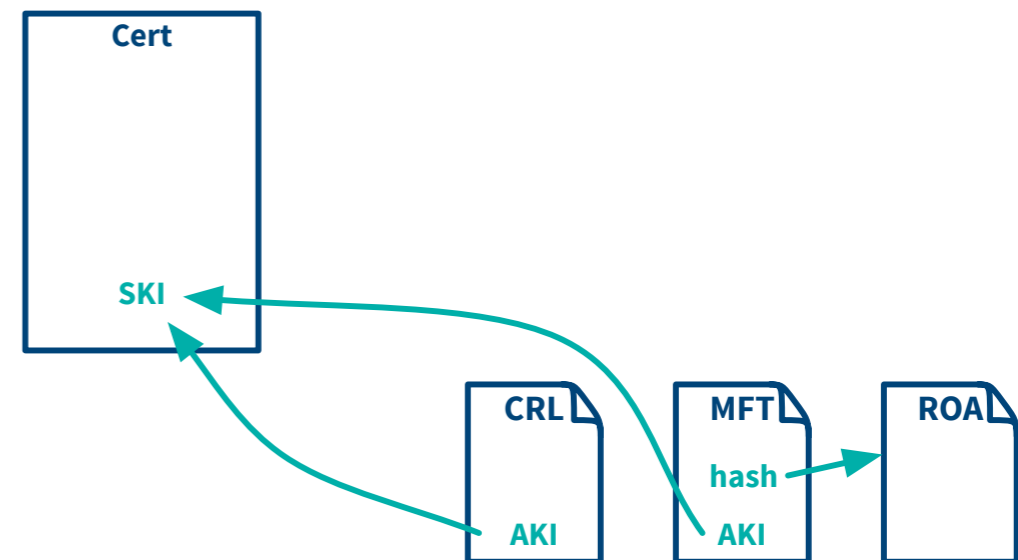
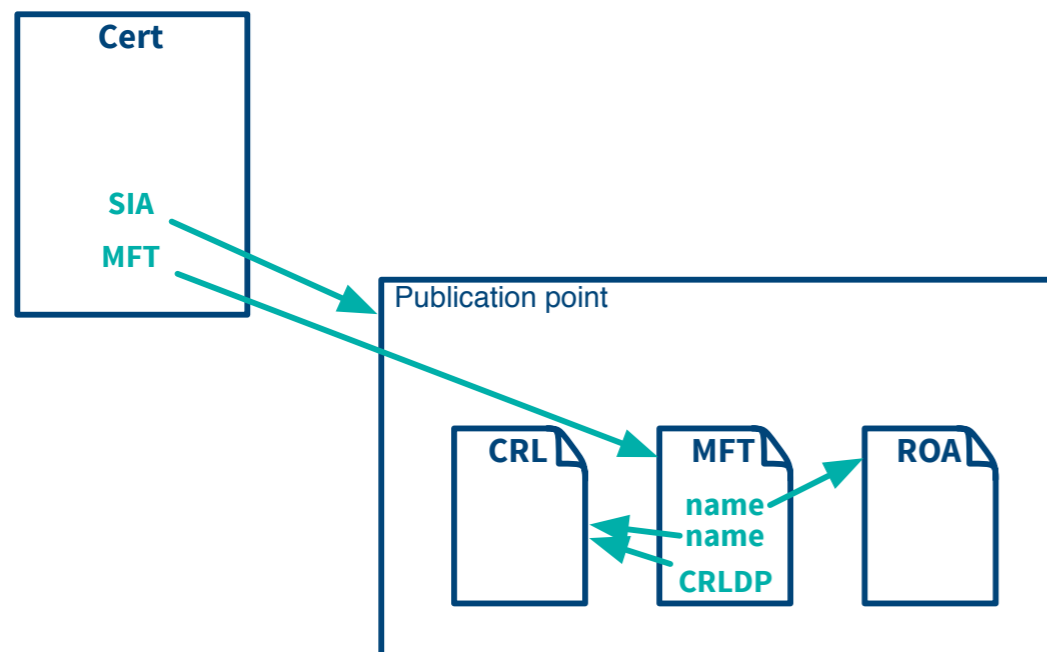
Fetch and use separation



Faster discovery



Published object discovery



What's next?



- Improve text
- Provide more details
- Explain certain choices made

- Is it useful to others?
- Please scrutinise the algorithm
- Provide a feedback



Questions

