BIND Update – DNS-OARC, Spring 2016
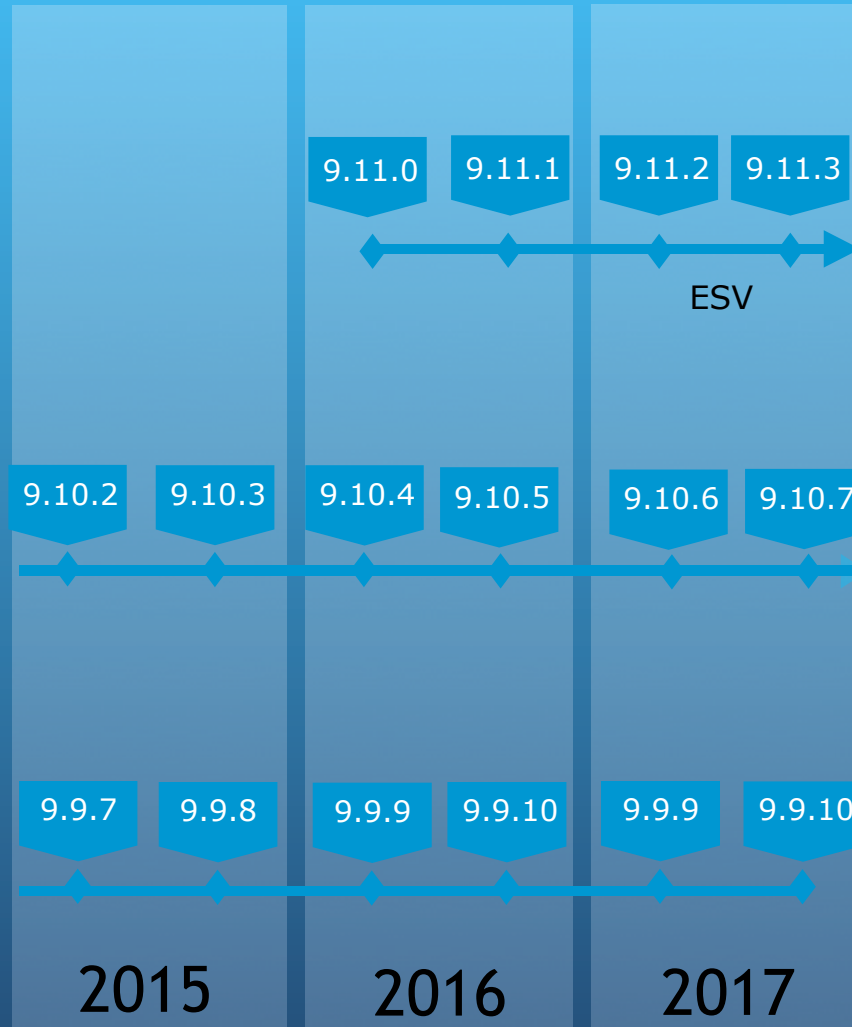
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BIND Roadmap

	2016	2017
	9.11.0 9.11.1	9.11.2 9.11.3

ESV

2015	2016	2017
9.10.2 9.10.3	9.10.4 9.10.5	9.10.6 9.10.7
9.9.7 9.9.8	9.9.9 9.9.10	9.9.9 9.9.10

2015   **2016**   **2017**

- Maintenance releases on ~6 month schedule
  - bug fixes
  - minor features (e.g. new rr types)
  - compile-time options (zero risk for non-users)

- At least two major trains supported at once

BIND 9.11.0

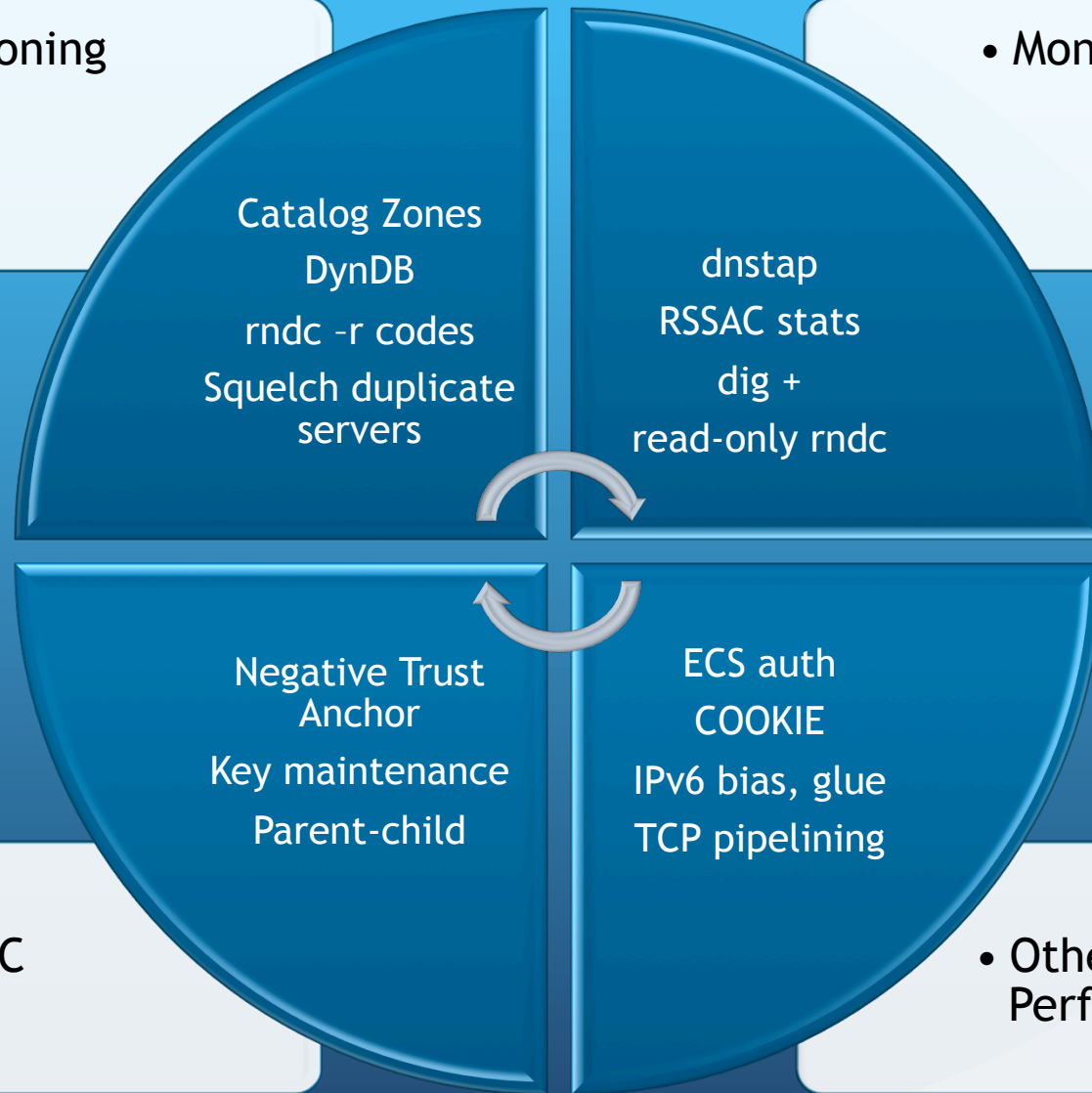- Provisioning

- Monitoring

Catalog Zones
DynDB
rndc –r codes
Squelch duplicate servers

dnstap
RSSAC stats
dig +
read-only rndc

Negative Trust Anchor
Key maintenance
Parent-child

ECS auth
COOKIE
IPv6 bias, glue
TCP pipelining

- DNSSEC

- Other, Performance

Key Maintenance Utility

Requirements

- Provide a way for administrators to establish and store policies (key rollover intervals and overlap), so that on-going key maintenance can be automated effectively.

- Improve BIND's ability to test/probe and report on the success of key rollovers and reduce operator error.

- Minimize zone inflation by deleting extraneous material

Implementation

- Implemented in Python

- Standalone utility

- 'Wakes up' every 24 hours and checks for upcoming expiration events, performs maintenance

- Algorithm rollover automation is TBD