

NLnet Labs

To develop Open Source
Software and Open
Standards for the benefit
of the Internet

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Labs

Known For



NSD

~~Unbound~~

Idns

Net::DNS

getdns
Unbound security

NSD

NSD

Authoritative
only

Secondary

Zone files

IXFR client

nsd-control, nsd.conf

Biodiversity

High
Performance

Conform RFCs

Open source

BSD licensed

DNSSEC (but no signing)

NSD

Typical Use Cases

As one or more of the secondaries

Provisioning system

Hidden Master

Behind load balancer

Balancer

NSD4

Dynamic behavior:
reconfiguration, adding and
removing zones on reload

nsd-control
replaces nsdc

Serving 100K zones

Faster than NSD3

XFR scalability, no
longer need to nsdc
patch

No changes in query logic

Patterns



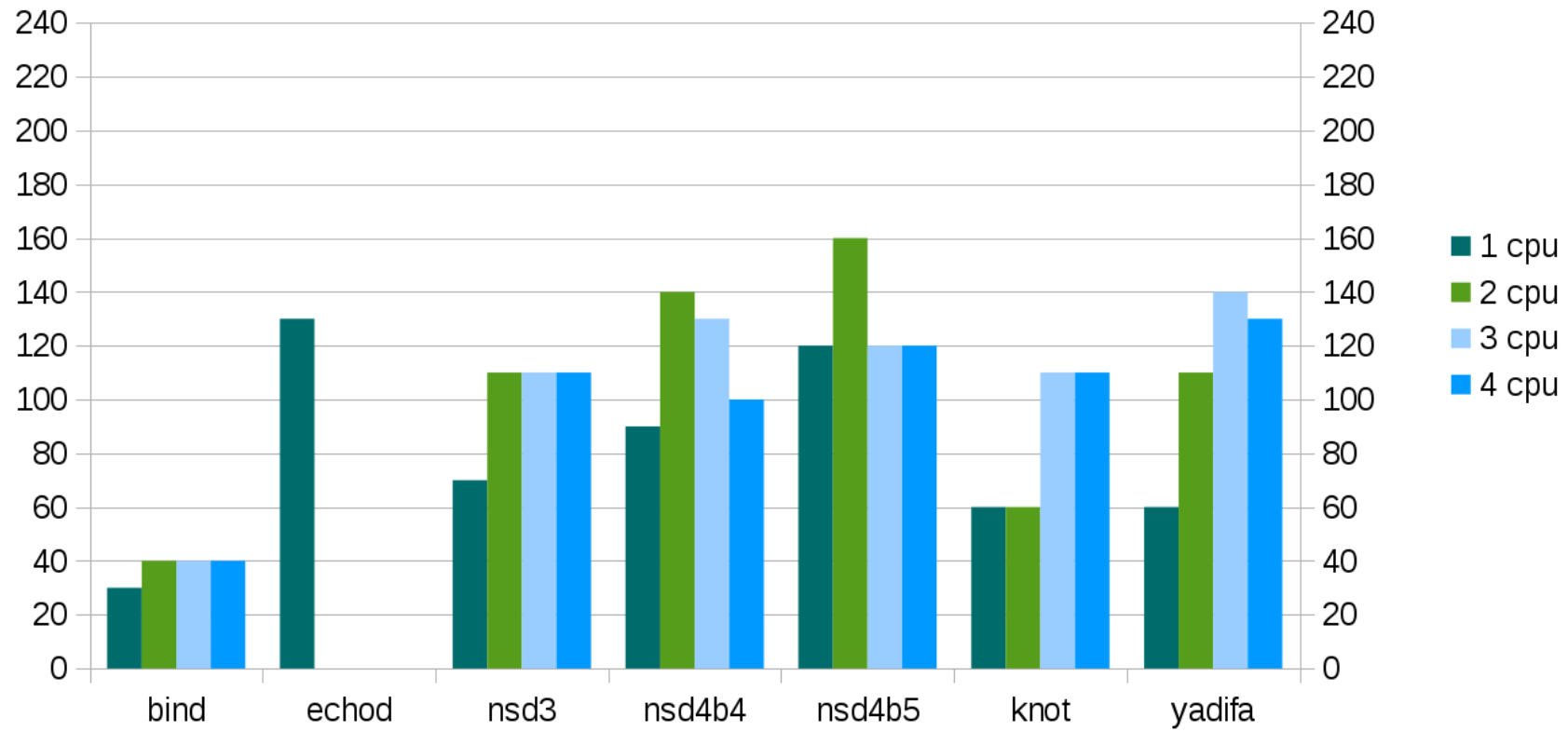
Roadmap

Memory
improvements
(no db mode)

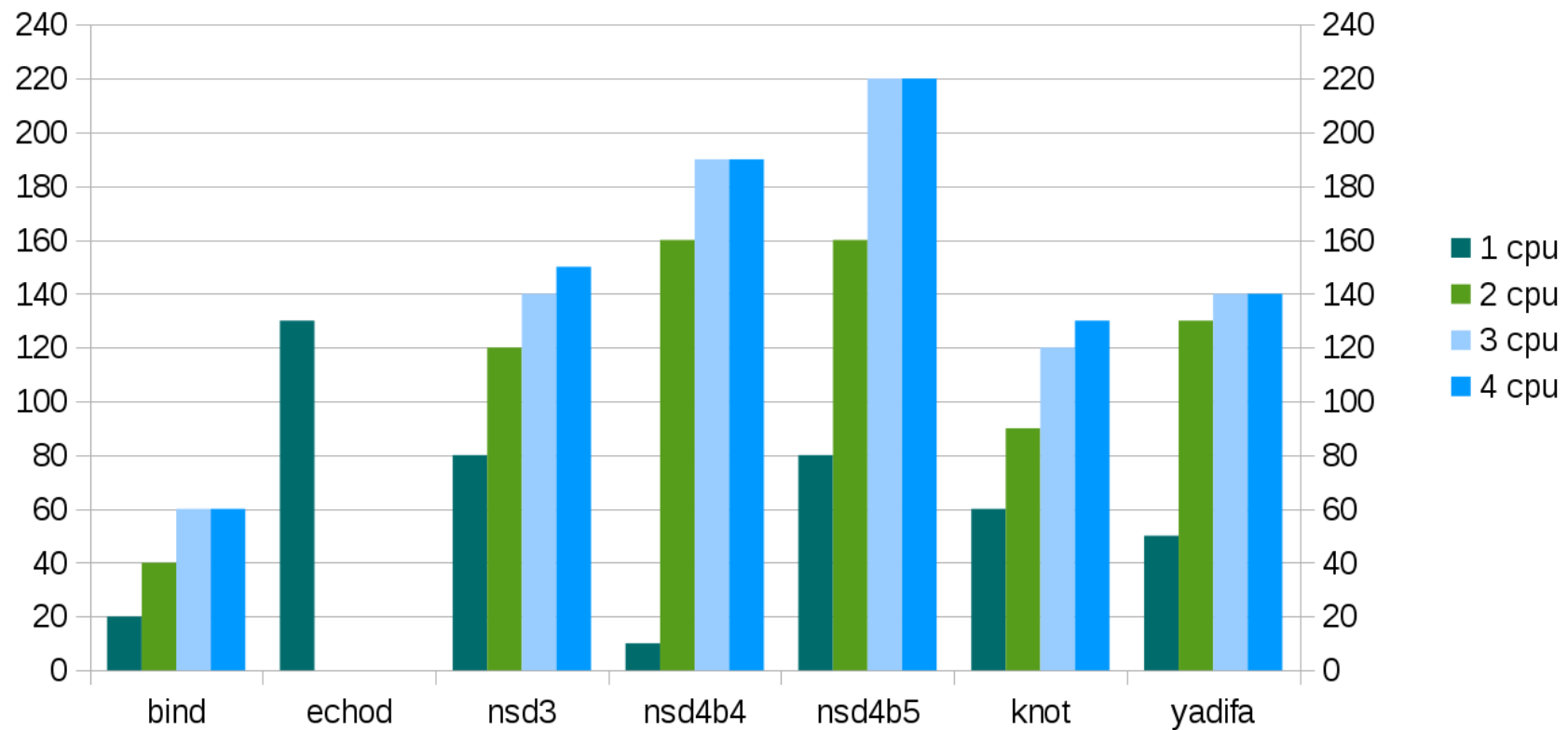
Zone read
performance
improvements

Zone statistics

Linux 3.9



freebsd 9.1







Only open-source comprehensive signing solution

PCKS#11 support

Open interfaces

BSD licensed

Requires HSM

Key and signing policies

Can be used with any name server

Works with zonefiles and XFR

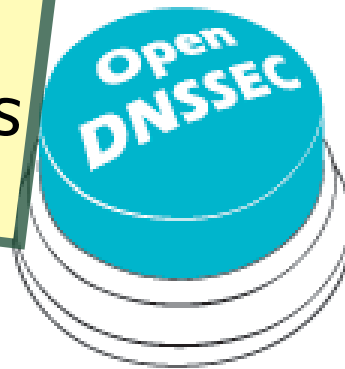


SoftHSM

XML

ods-ksmutil, ods-signer, ods-control

Typical Use Cases



Provisioning system



Bump in the wire



Hidden Master



Provisioning system



Hidden Master



Roadmap



DB adapters

Improved
interface

Dynamic
Update

Serving 100K
zones

Algorithm rollover,
Policy rollover

PostgreSQL

Offline keys

NSD & NLnet Labs

Committed to
announce 2 years in
advance

Support to
Community

nsd-users@nlnetlabs.nl

Free

NSD & OpenNetlabs

BSD License

allows for proprietary
extensions

Paid Support

Support levels (SLA) and
prices available on request