

# nsd

## a Name Service Daemon

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# Presentation Outline

Why nsd ?

What is nsd ?

Who should use nsd ?

# Why nsd?

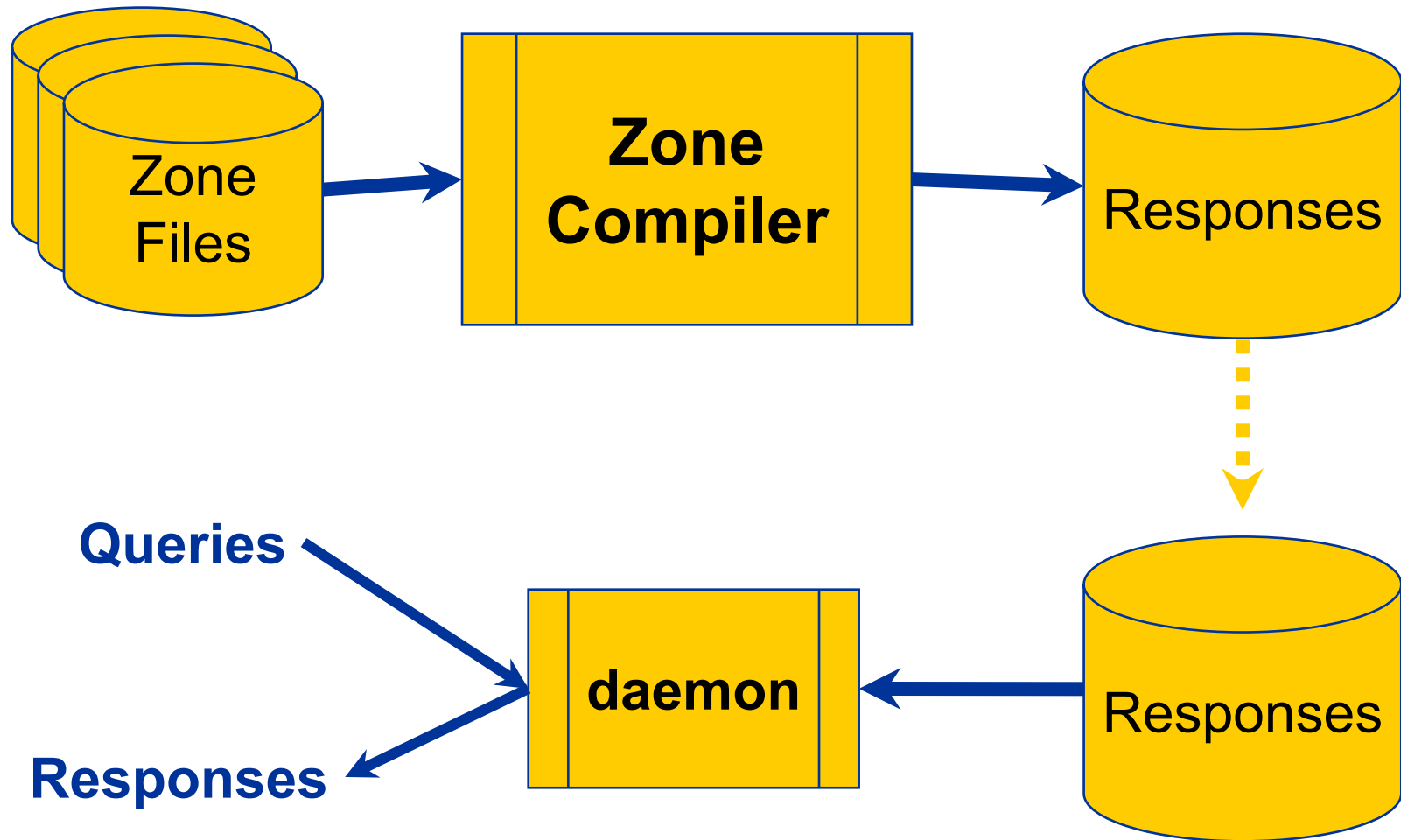
- **Code Diversity**

- Simplicity
- Performance
- Open Source

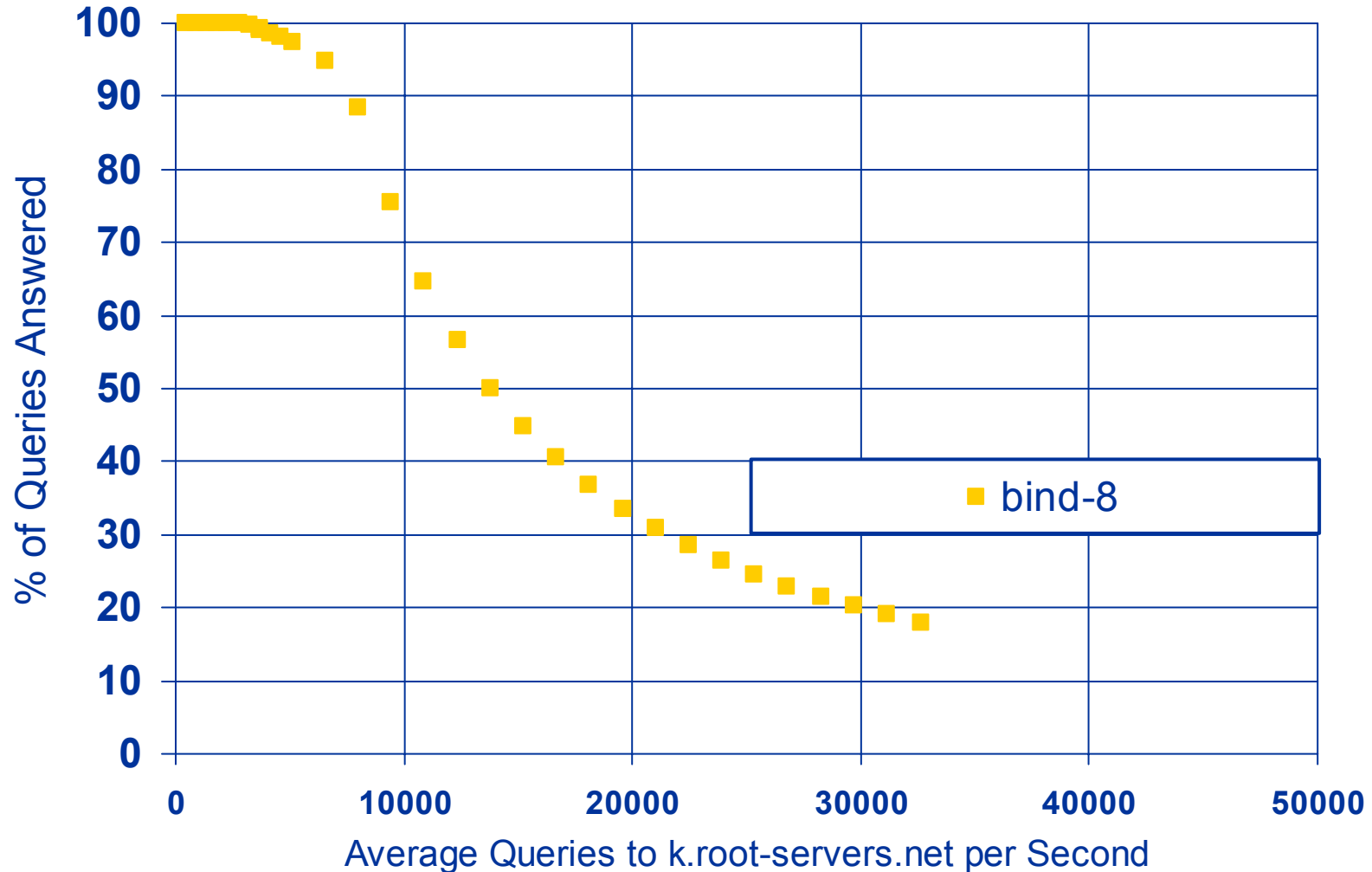
# What is nsd?

- Authoritative-Only DNS Name Server
  - **No recursion**
  - **No caching**
  - No dynamic update
  - No zone transfers
- Implemented from Scratch
- High Performance Design
- DNSSec Ready
- Well Tested

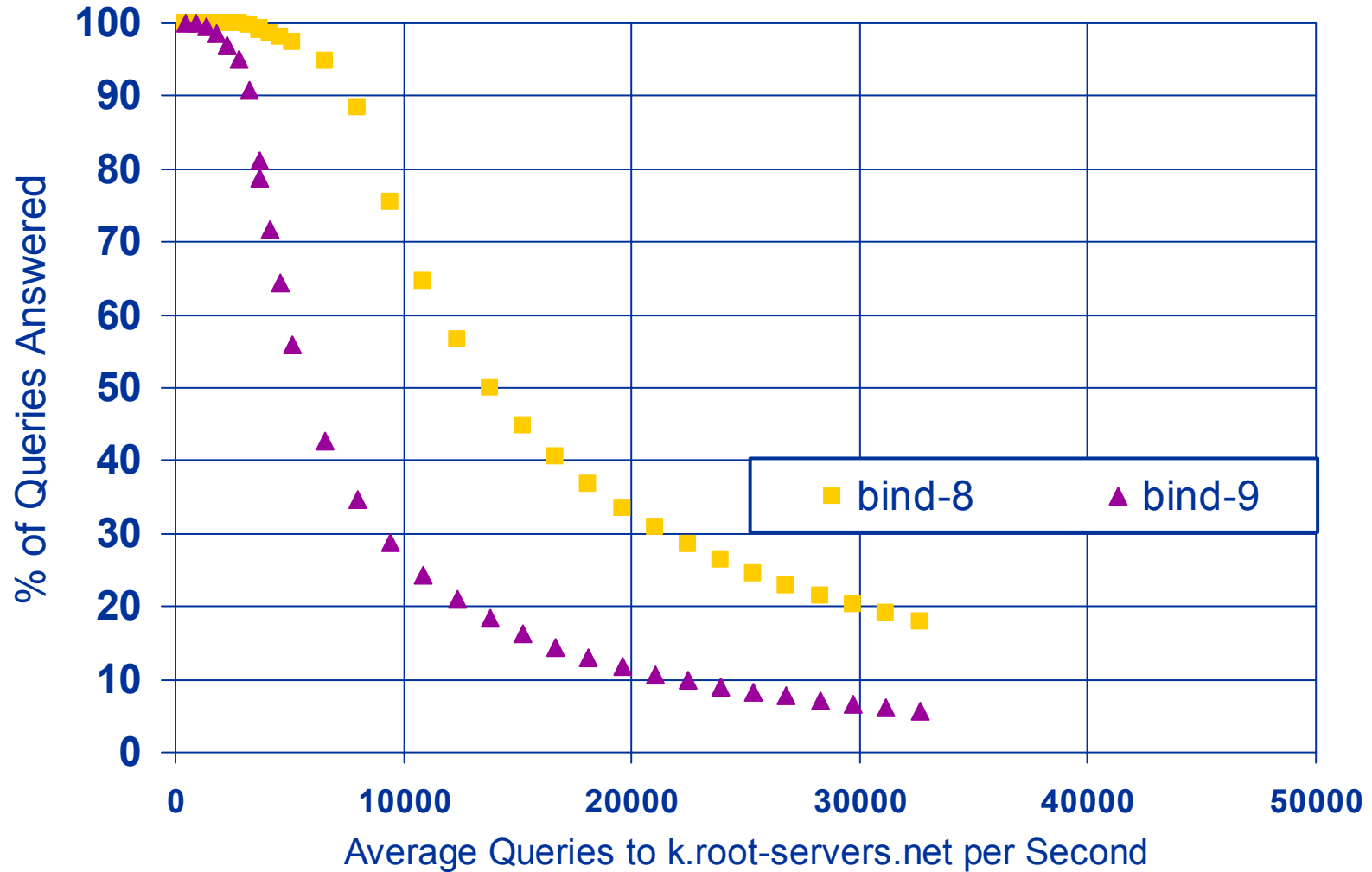
# Basic nsd Design



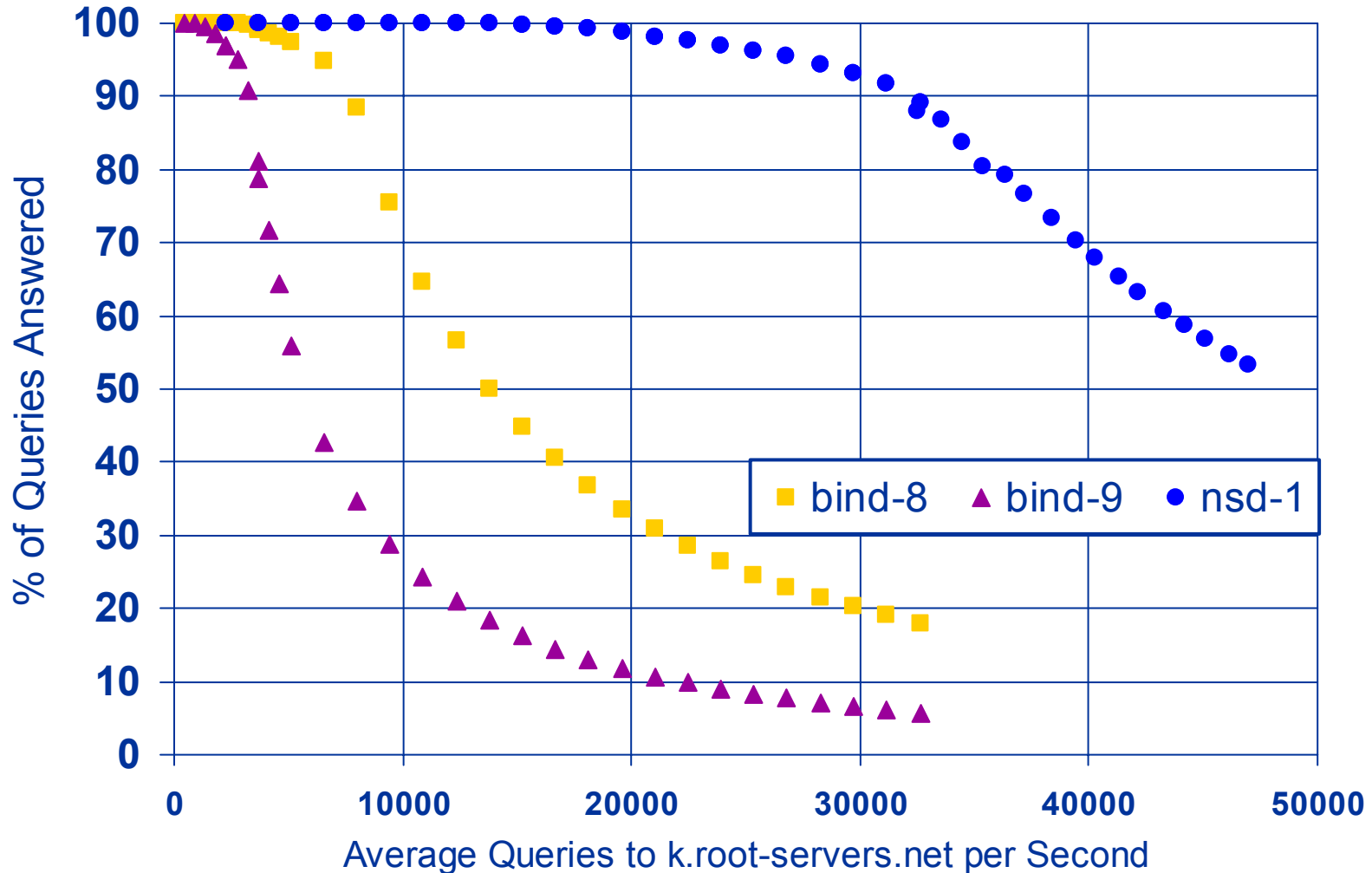
# Performance Results



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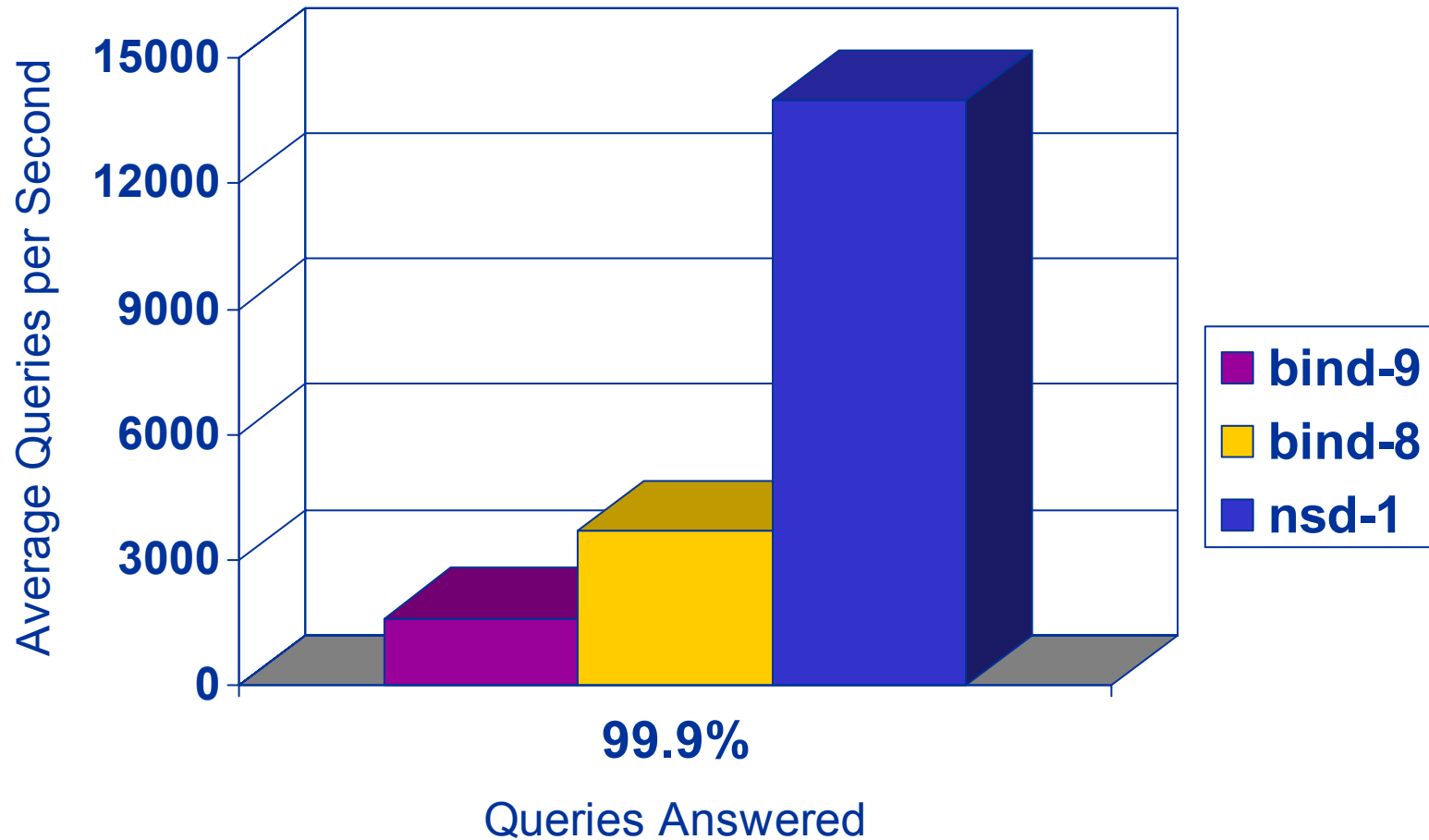


# Performance Results





# Performance Results “Marketing Version”



# Goals Achieved ?

- Code Diversity
  - Totally New Design
  - Bug Diversity
- Simplicity
  - Daemon kept as small as possible (~1000 lines C)
  - No creeping featurism (total 5684 lines C)
- Performance
  - See above
- Open Source
  - Yes (BSD License)

# Who should use NSD?

- Publishers of authoritative zone info
  - Root Servers (some)
  - TLD servers
  - ...
- Who should ***not*** use nsd
  - Recursing name servers
  - Servers really needing dynamic updates
- nsd-1.0.1 is available. It is stable.

# Questions???

- Slides and other information (will be) available from <http://www.ripe.net/>
- Nsd-1.0.1:  
<http://www.nlnetlabs.nl/nsd/index.en.html>

