

# BIRD 3: UŽ?

Artificial Ornithology Lab

Maria Matějka • 17 May 2023

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# Nebo ještě ne?

# Ano a ne

# Automatické testy projdou

# BIRD 3 je rychlejší než BIRD 2

# Někdy je i pomalejší

# Ale to ještě spravíme

# Zkuste BIRD 3 i vy



# Konfigurace je stejná

## BIRD 3 vs. BIRD 2

- Multithreaded BFD, BGP, RPKI, Pipe
- Asynchronous route exports
- Inline import tables
- Configurable number of threads:  
`threads 42;`
- MRT not working

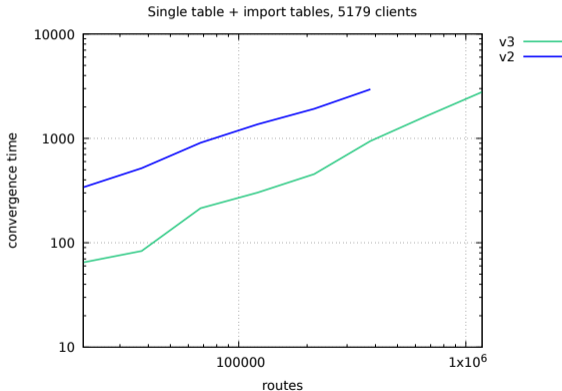
# BIRD 2 currently

- 2.13
  - Babel RFC 9229 (IPv4 over IPv6)
  - Experimental BMP (not built by default)
- 2.0.11
  - Netlink for FreeBSD (probably buggy)
  - RFC 9234 (BGP Roles)
  - BGP keepalive time scaling
  - Filter for loops and recursion
  - Filter type checking

# RS Convergence Performance



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# 2023 Roadmap

- SNMP AgentX plugin
- TCP-AO (\*)
- AS Cones / ASPA
- MPLS label distribution

# 2023 Roadmap

- Conditional routes
- Route aggregation
- Next hop filtering incl. multipath
- Python packages as MI for CLI and config
- EVPN?

# BIRD 1 End of Life

- no support after Dec 31, 2023
- **upgrade** to BIRD 2.13 **NOW**



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- (!) Kubernetes Calico uses BIRD 1.6.8

# Customer care

- Training sessions
- Guaranteed development time
- Product integration
- Basic support for Small Business

# QED

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