



BIRD Internet Routing Daemon

Short update



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BIRD

- Open source routing daemon (RIP,OSPF,BGP,BFD,IPv6 RAdv)
- Developed by CZ.NIC (domain .cz) – Knot DNS, Turris, ...
- Flexible configuration
- Powerful filtering language
- Very popular at IXPs as route server (more than 2/3 worldwide – source: Euro-IX)



Version – 1.4.5

- Mainly BGP-related
- Main recent features
 - BGP – add-path
 - BGP – graceful restart
 - OSPF – multipath
 - BFD protocol (OSPF & BGP)



Current version 1.5.0

- Major OSPF redesign
 - Many small fixes - better compliance to standards
 - RFC6549 – OSPFv2 multi-instance extension
- Minor enhancement of BGP code – stable
 - Link state support
 - Parameters to option 'neighbor' extended.
 - Separate option 'interface' added.
 - Options 'start delay time' and 'route limit' deprecated



Future versions

- Soon – 1.6.0
 - RIP redesigned
 - SHA-1 and SHA-2 support – OSPF, RIP
 - BGP multipath support
 - MRT table dumps
- 2.0 – new "experimental" line
 - Merge IPv4 and IPv6
- 2.1 / 3.0 – new stable and "LTS" line



RS & RTBH @ NIX.CZ

- Route servers
 - IRR DB filtering
 - Checking prefix and origin ASN
- RTBH
 - Part of RS
 - Mandatory in FENIX
 - Changing next-hop to IP with MAC that is L2 filtered





Thank You!



Questions?

<http://bird.network.cz/?support>

