



# Open Source Routing

A Project of The Network Device Education Foundation

## Quagga Status Update

RIPE 69

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[OpenSourceRouting.org](http://OpenSourceRouting.org)



# Open Source Routing

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- OpenSourceRouting project has moved from ISC to NetDEF and is expanding
- Supporting maintainers
- Testing:
  - Compliance, regression and fuzz testing
  - Reports available on [OpenSourceRouting.org](https://www.opensourcerouting.org)



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## Compliance Test Results

LAST UPDATED: SEP 24, 2014

Added Results for BGP4 over IPv6

Currently we run frequent RFC Compliance Tests using Ixia ANVL for the following protocols:

### IPv4 Protocols

RIP

[View Results](#)

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OSPFv2

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### IPv6 Protocols

RIPng

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OSPFv3

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[www.opensourcerouting.org/](http://www.opensourcerouting.org/)

Test Name	Pass	Fail	Warn	Info	Pass %	Fail %	Warn %	Info %
BGP4-1	100	0	0	0	100	0	0	0
BGP4-2	100	0	0	0	100	0	0	0
BGP4-3	100	0	0	0	100	0	0	0
BGP4-4	100	0	0	0	100	0	0	0
BGP4-5	100	0	0	0	100	0	0	0
BGP4-6	100	0	0	0	100	0	0	0
BGP4-7	100	0	0	0	100	0	0	0
BGP4-8	100	0	0	0	100	0	0	0
BGP4-9	100	0	0	0	100	0	0	0
BGP4-10	100	0	0	0	100	0	0	0
BGP4-11	100	0	0	0	100	0	0	0
BGP4-12	100	0	0	0	100	0	0	0
BGP4-13	100	0	0	0	100	0	0	0
BGP4-14	100	0	0	0	100	0	0	0
BGP4-15	100	0	0	0	100	0	0	0
BGP4-16	100	0	0	0	100	0	0	0
BGP4-17	100	0	0	0	100	0	0	0
BGP4-18	100	0	0	0	100	0	0	0
BGP4-19	100	0	0	0	100	0	0	0
BGP4-20	100	0	0	0	100	0	0	0
BGP4-21	100	0	0	0	100	0	0	0
BGP4-22	100	0	0	0	100	0	0	0
BGP4-23	100	0	0	0	100	0	0	0
BGP4-24	100	0	0	0	100	0	0	0
BGP4-25	100	0	0	0	100	0	0	0
BGP4-26	100	0	0	0	100	0	0	0
BGP4-27	100	0	0	0	100	0	0	0
BGP4-28	100	0	0	0	100	0	0	0
BGP4-29	100	0	0	0	100	0	0	0
BGP4-30	100	0	0	0	100	0	0	0
BGP4-31	100	0	0	0	100	0	0	0
BGP4-32	100	0	0	0	100	0	0	0
BGP4-33	100	0	0	0	100	0	0	0
BGP4-34	100	0	0	0	100	0	0	0
BGP4-35	100	0	0	0	100	0	0	0
BGP4-36	100	0	0	0	100	0	0	0
BGP4-37	100	0	0	0	100	0	0	0
BGP4-38	100	0	0	0	100	0	0	0
BGP4-39	100	0	0	0	100	0	0	0
BGP4-40	100	0	0	0	100	0	0	0
BGP4-41	100	0	0	0	100	0	0	0
BGP4-42	100	0	0	0	100	0	0	0
BGP4-43	100	0	0	0	100	0	0	0
BGP4-44	100	0	0	0	100	0	0	0
BGP4-45	100	0	0	0	100	0	0	0
BGP4-46	100	0	0	0	100	0	0	0
BGP4-47	100	0	0	0	100	0	0	0
BGP4-48	100	0	0	0	100	0	0	0
BGP4-49	100	0	0	0	100	0	0	0
BGP4-50	100	0	0	0	100	0	0	0



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- Recent activity relevant to BGP:
  - TTL security for iBGP, better recursive route support, improved error handling (draft IDR), performance improvements.
- Seeing more networking vendors, and multinational telecoms and technology companies contributing to Quagga
- Many bugfixes.



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- Processes for contributing streamlined over the last couple of years and made more efficient
  - Patchwork brought in to track contributions to the list
  - More streamlining and devolving to implement.



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- Coming soon:
  - Minor bugfix release
  - PIM-SSM support
  - RPKI support via RTRlib
  - Synchronising with vendor streams
- Longer Term:
  - BGP Add-Path for route-reflectors and route-servers
  - Performance scalability work



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- Wish list or comments:
  - For the floor!