BGP Data-Plane Benchmarking Applicable to Modern Routers

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Current Status

- Two complementing BGP Methodology drafts in progress

- Draft-1 focusing on the BGP Data Plane convergence was posted prior IETF-80

  - draft-papneja-bgp-basic-dp-convergence-03

    - Author team: Rajiv Papneja, Bhavani Parise, Sue Hares, Ilya Varlashkin

  - Obtained feedback from multiple Service Providers. Various Tests from the draft were demonstrated and termed as 'Valuable' and 'Important' by the Providers (Verizon, etc)

  - Positive feedback and support on scope and test coverage from architect at FT-Orange

    - Good response to adoption request

  - Contributions and Support from IDR Chair to the draft. Presented and solicited feedback from IDR at IETF-83

  - Performed Benchmarking tests based on the methodology from the draft and Presented the Results to BMWG

  - Agree on WG-item adoption

Current Status & Action Items

- For Draft-2:

  - http://tools.ietf.org/html/draft-varlashkin-router-conv-bench-00

  - Lack of Capabilities in Protocol Simulators hindering certain test scenarios. Alternative Setup being explored

- Inputs welcome!