BGP Routing for Large Scale DCs

draft-lapukhov-bgp-routing-large-dc-07

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Purpose of Draft

- Document Working Design for Large Scale DC Routing using EBGP
  - Guidance to operators and implementers on design decisions and BGP behavior expectations

Status of Draft

- **-01 Presented @IETF84 IDR/GROW**
  - Good feedback and interest received from participants
  - Comments incorporated
- **-07 Differences**
  - Added details around route aggregation options and convergence properties
  - Large restructuring in -05 for readability
    - Features that expand on / add value to design separated into section from base "spec"
    - Separated more clearly types of alternative designs
  - All comments from recent list exchange incorporated

Status of Design

- More servers in this design than legacy designs at large scale content provider
  - 100K's of servers
  - Many 10's of DC's
  - Design is proven
    - Most issues encountered are vendor software not related to BGP
- Other DC operators are adopting, using doc as reference

Summary

- Intent is Informational
  - Reference material for i2rs potential use case
  - Time is appropriate since implementations need updates anyway for expanded space

- Document is stable - maybe too complete
  - 30 pages

- Working Group adoption?