

ISSU Benchmarking Methodology

draft-banks-bmwg-issu-meth-02

IETF 88 Vancouver

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00 – Overview

- Define a common set of methodologies to facilitate the benchmarking of an ISSU (In Service Software Upgrade / Downgrade) event
 - Phased approach to the entire ISSU process:
 - -> Pre-upgrade / downgrade verification
 - -> Software Download
 - -> Software Staging
 - -> Upgrade Run
 - -> Upgrade Acceptance - Exit Criteria
- Guidance / Definitions for identifying and deploying control & data plane models required for benchmarking ISSU process
- Final Report / Exit criteria in order to provide a referenceable characterization of the entire process and results

01 – Where we were

- Jun-04 e-mail to the list sent by Sarah with 01 rel. notification
- Addressed in 01 Draft ...
 - > David Newman comments (upgrade / downgrade) support
 - > Al's several comments: Semantics – anticipation of results / outcome – Reporting format ... upgrade/downgrade rollback ... others.
- Always seeking additional feedback and comments, especially from network operators .

02 – Where we are today

- Addressed in 02 Draft ...
 - > Cisco (Lucien) comments regarding Data center deployments
 - > Housekeeping (Upgrade Run phase, intro section)
- Always seeking additional feedback and comments, especially from network operators .

Next Steps – 03 - future rel.

- Petition the BMWG for adoption of the draft as chartered work
- Additional feedback requested from WG members –
- There is an industry need for a standardized methodology to benchmark ISSU functionality among vendors.

Thanks !

The authors of:

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