Deploy360

Consolidating Best Current Operational Practice Efforts

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What’s a BCOP?

• Best Current Operational Practice
• A current document describing how to best achieve an operational practice vetted by subject matter experts and periodically reviewed by community & SMEs for updates.
What’s the problem?

• Tons of conferences and sources of data
  • RIR meetings (AfriNIC, APNIC, ARIN, LACNIC, RIPE)
  • Operator meetings (NANOG, RIPE, MENOG, ENOG, SANOG, CaribNOG, AUSNOG, PacNOG, JANOG, UKNOF)
  • Blogs, Personal sites, word of mouth

• Areas of demarcation
  • RIRs do not want to impact operations (generally)
  • Operator forums cater to regular attendees (not newcomers)

• Data is potentially stale
  • As soon as it’s written, it’s stale / not kept current
  • Presentations are all over the place and hard to search
  • PPTs often missing supporting text
  • Presentations are not vetted / validated / are opinions

• IETF has a BCP process limited scope and too slow for ops
Problem cont.

• Several regional individuals / projects duplicating efforts
• Availability of resources pushing for solution
• Really needs an Executive Director to lead it
• No funds
• Distributed demand for solution
• SMEs need to be driven to write
Solution

• Effort consolidation
• Generic BCOP Development Process (Globally)
• Open / Transparent / Bottoms Up ORG
• Searchable Repository
• Regional meetings feed into the same BCOP-PD and repository (BoFs / Tracks)
Long Term Result

- Things get better...
  - Operational Practices get better
  - Less first time errors
  - Use of real world information not text book
  - Examples: Filters, subnetting, security, interface standards, peering exchanges, IRR data, anti-spoof
What’s happening today

• BCOP-PD DRAFT exists
  • This document/draft has been modeled after previously authored policy development efforts such as ARIN’s PDP ([https://www.arin.net/policy/pdp.html](https://www.arin.net/policy/pdp.html)) & IETF’s RFC 2026 sec 1.2 ([http://www.ietf.org/about/standards-process.html](http://www.ietf.org/about/standards-process.html)) & Wikipedia itself.
  
• Documents have been written and run through BCOP-PD
• Community is reading them and find them useful!
• BCOP tracks at NANOGs
• RIPE Working Groups
Documents written to date

- BCOP Development Process
- IPv6 Subnetting
- Public Peering Exchange Interface Standards
- IPv6 Peering and Transit
- IPv6 Peering
Next Steps

- Handoff to ISOC – Deploy360 program
- Identify Stakeholders
- Promote attendance and participation in regional meetings
- Grow document base
- Use the process to refine the BCOP-PD as needed
- Move mailing list
- Present completed BCOPs at operator forums for promotion
Questions?

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• BCOP info:
  • http://ipbcop.org/