RPKI Validator Testing, IETF88

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Conformance Cases

- Conformance Case = specially crafted RPKI object = test case for a relying party's conformance with an RFC or I-D
- BBN maintains 349 cases at rsync://rpki.bbn.com/conformance/
- 164 of them are new since the last IETF
What We Found

- Bugs in all three validators
- One bug in the conformance cases themselves
- Two sets of conformance cases that led to questions about ambiguities in specifications:
  - Can SIAs contain non-URI accessLocations?
  - Can CRLs list invalid serial numbers?
Next Steps

● Fix some bugs
● Re-test on Thursday morning
  - Let us know if you've written validator software and want to join us!
Questions?