The SPF/Sender-ID Experiment

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The story so far

• The IESG published RFC4405-4408 as Experimental for various reasons
  – They called this the “SPF/Sender-ID Experiment”
  – Invited the community to give feedback after a couple of years
  – We assume the IESG will want to see some resolution to this before we advance SPF to the Standards Track
    • No specific guidance, however
The Plan

• Collect data about deployment, efficacy, use, operational considerations, etc., about SUBMITTER, SPF, and Sender ID
  – Kind of like an interoperability report
• Try to compare these based on the collected data to see what the results of the “experiment” are, six years later
• Present an evidence-based conclusion that justifies the rest of the WG’s plans
The Data

• A few independent sources:
  – OpenDKIM, Cisco presented ~300k domain surveys of what data are published
    • Type 16 vs. type 99
    • Which mechanisms are in use
    • DNS timeouts
    • Common conclusions between the two mechanisms
  – Santronics logs
    • Use of SUBMITTER
  – Hotmail data analysis (coming soon)
    • Comparisons between SPF and Sender-ID domain output
More Data?

• Are there any questions we need to answer for which we need data that we don’t already have?
Conclusions

• We need to write some!
  – We can wait until Hotmail gives us data, but that will be soon
  – Otherwise, we should have enough information now to draw some conclusions

• Anecdotal conclusions too
  – The type 99 experience is exceptional and probably worth documenting
  – Other things?