

MTA Authorization Records in DNS

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1. MARID charter

- o Short-term effort to address one small problem
- o Starts in April, finishes in August
- o Bad news: lots of people being very helpful
- o Good news: will do two useful things:
 - * Sender-ID by August; and,
 - * CSV by November

2. Sender-ID

- o A "best hits" compilation of SPF and Caller-ID
- o Domain administrators identify authorized outgoing MTAs
- o SMTP envelope bifurcated:
 - * where to send bounces; and,
 - * who's responsible for sending
- o Lots of attention paid to avoiding collateral damage
 - * (cf., Section 7 of "core")

3. draft-ietf-marid-core

- o What action should be taken:
 - * when an SMTP client at a given IP address
 - * is trying to send a given email?
- o Two steps:
 1. Determine purported responsible address (PRA)
 2. Look at rules defined in the DNS for the PRA's domain
- o Results: pass, fail, softfail, temperror, etc.

4. draft-ietf-marid-submitter

- o Defines the SMTP extension SUBMITTER
- o Allows SMTP server to reject message before DATA
- o It's an optimization...
- o Can be (re-)derived from 2822 headers after downgrade

5. draft-ietf-marid-protocol

- o Defines the RR syntax/semantics for authorized MTAs
- o Defines a new textual RR
- o Permits use of existing TXT records for boot-strapping
- o Tradeoffs favor ease of authoring:
 - * lots of domain administrators
 - * relatively few MTA coders

6. Client SMTP Validation

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- o What action should be taken:
 - * when an SMTP client at a given IP address
 - * is trying to send any email?
- o Two steps:
 1. Determine whether EHLO domain's management authorizes that client to send email
 2. Determine whether EHLO domain's management is accredited to behave responsibly

7. IETF 60 Agenda

- o Wednesday AM:
 - * Review and discuss draft-ietf-marid-submitter
 - * Review and discuss draft-ietf-marid-protocol
- o Wednesday PM:
 - * IPR discussion
 - * Review and discuss draft-ietf-marid-core
 - * Discuss CSV milestones