

Bounce Address Tag Validation (BATV)

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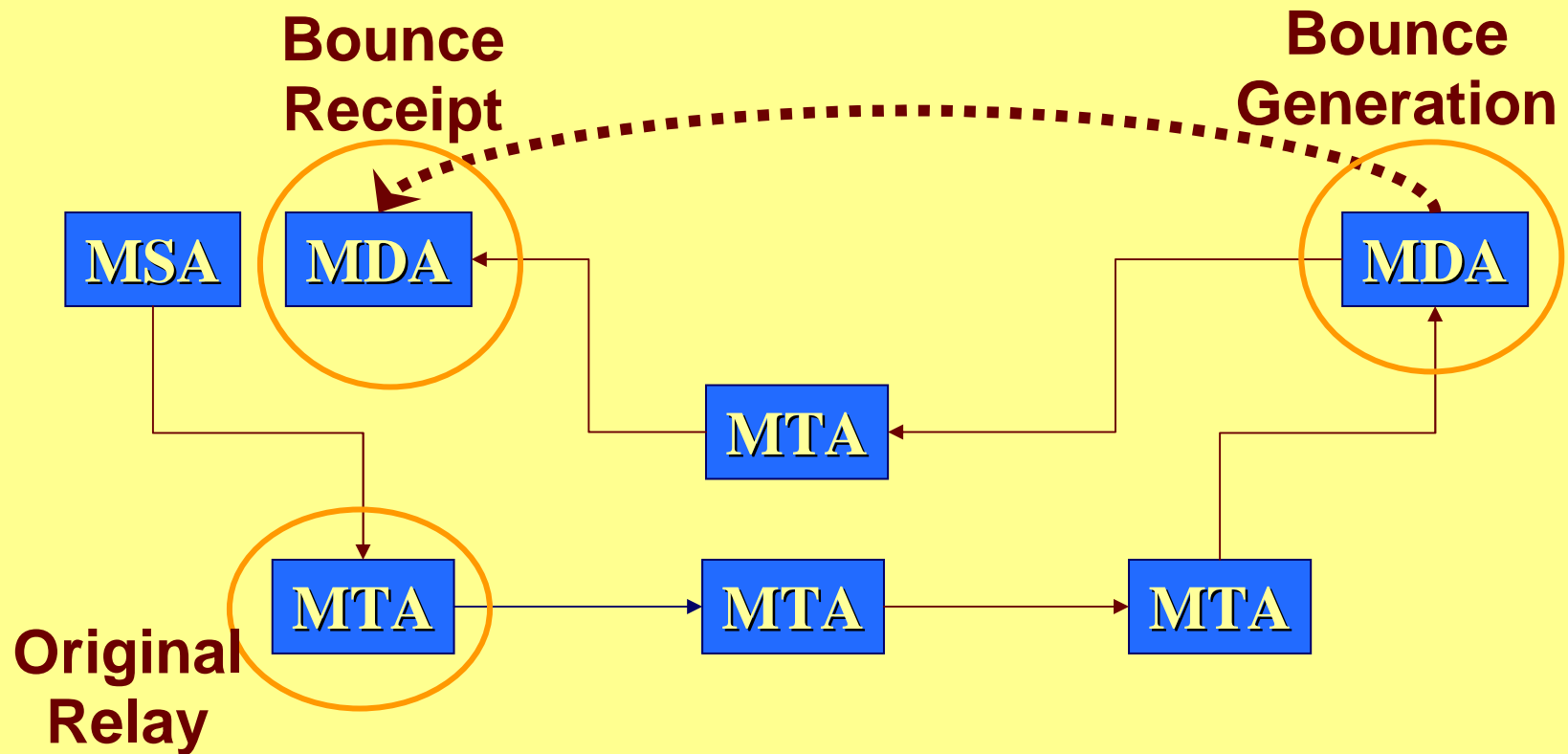
BATV – Detecting forged MailFrom

- ✿ **Digital signature**
 - ✗ Key based on RHS domain
- ✿ **Permit multiple schemes**
(Sorry, but no choice)
- ✿ **Meta-syntax on LHS (local-part) for parameters**
 - ✗ Permits finding mailbox without understanding sig
 - ✗ Hard limit of 64 bytes for total of local-part

mailbox@example.com →

batv=mailbox/scheme/parms@example.com

Bounce Address Evaluation Venues



Base Scheme – PSB0

✿ Private Signed Bounce zero

- ✿ Detected invalid received bounces
- ✿ Interpreted only by issuer
- ✿ Limited replay protection

sig-val = key-id

**encrypt (<addr-spec>, timestamp,
random-string)**

Approach for Public Key Scheme

- ✿ **Based on content standard, when available**
- ✿ **Use all of the mechanism, but tune computation to MailFrom limitations**
 - ✿ E.g., hash the signature into a short string.