



M³AAWG DMARC Training Series

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DMARC.org
October 22, 2012



M³AAWG DMARC Training Videos

(2.5 hours of training)

This is Segment 5 of 6

The complete series of DMARC training videos is available at:

<https://www.m3aawg.org/activities/maawg-training-series-videos>

<p><u>Segment 1</u> What is DMARC? (about 20 minutes)</p>	<p><u>Segment 2</u> DMARC Identifier Alignment (about 20 minutes)</p>	<p><u>Segment 3</u> DMARC Policy Records (about 30 minutes)</p>
<p><u>Segment 4</u> DMARC Reporting (about 15 minutes)</p>	<p><u>Segment 5</u> DMARC Information for Mailbox Providers (about 20 minutes)</p>	<p><u>Segment 6</u> DMARC Information for Domain Owners and 3rd Parties (about 40 minutes)</p>

DMARC Information for Mailbox Providers

DMARC Segment 5 – about 20 minutes

Paul Midgen, DMARC.org

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Information for Mailbox Providers



Are you ready for DMARC?

- Do you need DMARC?
 - Understand what DMARC does for the messaging ecosystem.
 - Who are you receiving mail from?
- Review your SPF and DKIM practices.
 - Why validate both?
- Develop a local-policy strategy.
 - Special cases
 - Trusted domains
- Commit to Reporting
- Outbound?

Information for Mailbox Providers

Policy Enforcement in Review

- Evaluate SPF & DKIM according to the RFC.
 - Bonus points: use Authentication-Results
- Select applicable authentication results using alignment.
 - This only determines whether the results are used.
- No aligned and passing results? DMARC validation has failed – time to enforce!
 - None: message disposition is unchanged; “report only”
 - Quarantine: don’t deliver to the inbox.
 - Reject: don’t deliver at all.

Information for Mailbox Providers

Reporting in Review

Aggregate Reporting

- XML data correlating IPs, domains, and authentication results.
- Requires ability to aggregate & store data extracted from inbound messages. This can require a lot of storage.
- Specification is currently least-documented part of DMARC, join dmarc-discuss and ask questions.

Failure Reporting

- Copies of messages failing DMARC validation sent to the sender or their agent.
- Don't queue. Sending as close to receipt as possible maximizes value.

Information for Mailbox Providers



Operational Considerations

- DMARC policy is the sender's policy and ^{usually} should have higher priority than local and other policy.
- Consider ways to mitigate the impact of MLMs, forwarders, and so on.
 - These waters are deep. Fish with large teeth. Be deliberate, researched, and iterative.

Information for Mailbox Providers

Reporting and Privacy

Forensic reports can send an unaltered message to someone other than the intended recipient.

It may not be from a bad actor.

- Do a privacy review!
- Understand applicable privacy regimes before sending reports.
 - Corporate
 - Federal/Legal
 - Only one US-based MBP is sending failure reports

Resources



Dmarc.org

Resources page for tools

Participate page for list sign up



This has been the fifth of six DMARC video segments

View the entire

M³AAWG DMARC Training Series

from the public training video pages on the M³AAWG website at:

<https://www.m3aawg.org/activities/maawg-training-series-videos>

Our thanks to Michael Adkins, Paul Midgen and DMARC.org for developing the material in this series and allowing M³AAWG to videotape it for professionals worldwide. Thanks to Message Bus for additional videotaping and to videographer Ilana Rothman.

This video is presented by the
Messaging, Malware and Mobile Anti-Abuse Working Group

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