

New tricks for your old email.



MTA-STS VALIDATOR

This tool can verify the MTA-STS and TLSRPT configuration of a given domain name, providing useful diagnostics, feedback and recommendations. Performed checks include references to the relevant standards they are derived from.

As defined by [RFC-8461](#):

SMTP MTA Strict Transport Security (MTA-STS) is a mechanism enabling mail service providers (SPs) to declare their ability to receive Transport Layer Security (TLS) secure SMTP connections and to specify whether sending SMTP servers should refuse to deliver to MX hosts that do not offer TLS with a trusted server certificate.

In addition to MTA-STS, TLSRPT [RFC-8460](#) is used by SMTP systems to report failures in establishing the expected TLS sessions to protect email traffic.

Various large email providers have pledged support to MTA-STS and TLSRPT. If your business deals with sensitive or private user information, these are security controls you should consider implementing to improve your overall email security.

☐ Check MX TLS certificates**VALIDATE**

Overall results

These results were produced on 2022-02-03 04:54:25 UTC.

MX hosts **MTA-STS DNS Policy** **MTA-STS Policy Statement**

Checks performed

Valid MX record found for tested domain

Ensure that tested domain publishes MX records

Valid MTA-STS TXT record policy

DNS MTA-STS policy record must pass basic validation

Valid TLSRPT TXT record

DNS TLSRPT policy record must pass basic validation

✔ MTA-STS policy statement fetched through HTTPS

Policy document must be present and accessible

✔ MTA-STS policy statement has valid syntax

Policy document must be syntactically correct

✔ MTA-STS policy statement is valid

Policy document must be valid

Additional information



DNS answer for MTA-STS TXT record not protected with DNSSEC



TLSRPT TXT DNS response contains zero answers



DNS answer for MX record not protected with DNSSEC



Added missing ending `\r\n` to MTA-STS policy for further evaluation



MTA-STS contains lines with no CRLF termination



MTA-STS TXT record had TTL of 3600 seconds

A note about caching

Keep in mind that DNS resolvers used by this test will cache responses for your `_mta-sts` and `_smtp._tls` records according to the TTL configured in your DNS zone. When initially deploying MTA-STS, it's advisable to start with short TTLS — say, 10 seconds — and increase once the correct results are observed.

This validator will also reach out via HTTPS to download the MTA-STS policy statement from the `mta-sts` host at the domain being tested. Depending on the test settings, it will also connect to the domain's MX hosts and perform a `STARTTLS` command to gain access to the X.509 TLS certificates being used. All of this generates traffic to the tested domains.

In order to minimize the resource footprint of this testing, results are cached for a few minutes. This means that policy fetching and MX probing will only happen once every few minutes.

TAGS

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