YesGov

GOVERNMENT DOMAIN SECURITY REPORT

halifaxma.gov

Town of Halifax, Massachusetts · Population 7,718

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D

5 of 16 checks passed **Residents are exposed**

Basic protections recommended by CISA are missing. Each fix below is a standard setting, listed in order of risk to residents.



5 passed · 1 needs attention · 10 missing

Website	Email	DNS and domain
4 of 8	0 of 5	1 of 3

What to fix first

In order of risk to residents. Each is a one-time setting that then needs to be watched.

1. **Add a DMARC policy** — HIGH RISK
   Nothing tells receiving servers to reject mail that falsely uses this domain, so fake bills and payment requests in the agency's name are delivered.
   Fixed by: Your email or DNS provider

2. **Repair the SPF record** — HIGH RISK
   Receiving mail systems cannot tell the agency's real email from a forgery, so residents can receive fake notices in its name.
   Fixed by: Your email or DNS provider

3. **Turn on DKIM signing** — HIGH RISK
   Outgoing mail is not signed, so receivers cannot confirm it came from the agency, and DMARC cannot be fully enforced.
   Fixed by: Your email provider

4. **Turn on DNSSEC** — HIGH RISK
   DNS answers are not signed. A forged answer can send residents to a fake payment page, or redirect the agency's email, with no visible sign.
   Fixed by: Your DNS host and domain registrar

5. **Turn on HSTS** — MEDIUM
   On public Wi-Fi, a resident's visit can be pushed to an unencrypted copy of the site.
   Fixed by: Your web host

6 **Require encrypted mail delivery (MTA-STS)** MEDIUM
Mail sent to agency staff can be forced onto an unencrypted connection and read in transit.
Fixed by: Your email or DNS provider

7 **Turn on mail encryption reports (TLS-RPT)** MEDIUM
Nobody is told when encrypted mail delivery to the agency fails or is tampered with.
Fixed by: Your DNS provider

8 **Add framing protection** MEDIUM
The site can be hidden inside a hostile page to trick residents into clicking buttons they cannot see.
Fixed by: Your web host

9 **Add a CAA record** MEDIUM
Any certificate authority in the world may issue a certificate for this domain, which makes impersonating the site easier.
Fixed by: Your DNS provider

10 **Publish a security contact (security.txt)** MEDIUM
People who find a security problem have no standard way to tell the agency before it is misused.
Fixed by: Your web host

11 **Add IPv6 support** MEDIUM
Networks that only use IPv6, including some mobile carriers, cannot reach the site directly.
Fixed by: Your web host

All results in detail

Every record and value we saw, grouped by area. Written for your IT team, readable by anyone.

Website — 4 of 8 passed

HTTPS certificate PASS

Issued by	**WE1**
Issued to	**halifaxma.gov**
Expires	**October 23, 2026 (85 days after this check)**
TLS version	**TLSv1.3**

Redirect to HTTPS PASS

HTTPS available	**Yes**
Plain address redirects to HTTPS	**Yes**

HSTS — MISSING

HSTS header	Not sent

What this means: On public Wi-Fi, a resident's visit can be pushed to an unencrypted copy of the site.

How to fix: Send the Strict-Transport-Security header with a max-age of at least one year. (Your web host)

Certificate trust and match — PASS

Trusted chain	Yes
Strong public key	Yes
Valid signature	Yes
Name matches domain	Yes

CAA record — MISSING

CAA record	Not found

What this means: Any certificate authority in the world may issue a certificate for this domain, which makes impersonating the site easier.

How to fix: Publish a CAA record naming the authority you use, for example 0 issue "letsencrypt.org". (Your DNS provider)

Framing protection — MISSING

X-Frame-Options	Not sent

What this means: The site can be hidden inside a hostile page to trick residents into clicking buttons they cannot see.

How to fix: Send the header X-Frame-Options: SAMEORIGIN, or a Content-Security-Policy with frame-ancestors 'self'. (Your web host)

File type protection — PASS

X-Content-Type-Options	nosniff

Security contact (security.txt) — MISSING

/.well-known/security.txt	Not found

What this means: People who find a security problem have no standard way to tell the agency before it is misused.

How to fix: Publish /.well-known/security.txt with a contact address and an expiry date. (Your web host)

Email — 0 of 5 passed

SPF — NEEDS ATTENTION

Record	`v=spf1 include:us._netblocks.mimecast.com include:spf.protection.outlook.com ~all`
Ending	Soft fail (~all)

What this means: Receiving mail systems cannot tell the agency's real email from a forgery, so residents can receive fake notices in its name.

How to fix: Publish one TXT record that lists every service sending mail for the domain and ends in -all. (Your email or DNS provider)

DKIM — MISSING

Signing keys	Not found

What this means: Outgoing mail is not signed, so receivers cannot confirm it came from the agency, and DMARC cannot be fully enforced.

How to fix: Turn on DKIM in the mail service (Microsoft 365, Google Workspace and others) and publish the DNS records it gives you. (Your email provider)

DMARC — MISSING

DMARC record	Not found

What this means: Nothing tells receiving servers to reject mail that falsely uses this domain, so fake bills and payment requests in the agency's name are delivered.

How to fix: Publish a TXT record at _dmarc with p=quarantine or p=reject and an address to receive reports. (Your email or DNS provider)

MTA-STS — MISSING

DNS record	Not found
Policy file	Not found
Enforced	No

What this means: Mail sent to agency staff can be forced onto an unencrypted connection and read in transit.

How to fix: Publish an _mta-sts TXT record and a policy file at mta-sts.(domain)/.well-known/mta-sts.txt. (Your email or DNS provider)

TLS-RPT — MISSING

TLS-RPT record	Not found

What this means: Nobody is told when encrypted mail delivery to the agency fails or is tampered with.

How to fix: Publish a TXT record at _smtp._tls with an address to receive reports. (Your DNS provider)

DNS and domain — 1 of 3 passed

DNSSEC — MISSING

Zone signed	No
Result	No DNSSEC records found. DNSSEC may not be enabled for this domain.

What this means: DNS answers are not signed. A forged answer can send residents to a fake payment page, or redirect the agency's email, with no visible sign.

How to fix: Turn on DNSSEC signing at the DNS host, then add the DS record at the registrar. (Your DNS host and domain registrar)

IPv6 — MISSING

Website reachable over IPv6	No
Name servers reachable over IPv6	Yes

What this means: Networks that only use IPv6, including some mobile carriers, cannot reach the site directly.

How to fix: Ask the host for an IPv6 address and publish an AAAA record for the site. (Your web host)

RPKI route protection PASS

Website route signed	Yes
Website route valid	Yes
Name server route valid	Yes

.gov domain PASS

Ends in .gov	Yes

Hosting and platform

Informational, not scored

Website server	**172.67.218.170**
Mail server	**us-smtp-inbound-2.mimecast.com**
Website server reputation	**Not on abuse lists**
Mail server blocklists	**Not listed**
WordPress	**Not detected**
Email addresses published on the site	**0**
Broken links found	**4**
Referrer policy header	**No**

Progress over time

Checks passed at each scan, oldest to newest. Highest possible is 16.



If these basics were missed, what else has been missed?

These are published CISA standards that any IT department or provider can check in seconds. YesGov can fix all 11 in under 24 hours, re-run this check to prove it, and keep watching every day.

yesgov.com/contact · (888) 777-0017 · info@yesgov.com

How we check

We only check settings that any computer on the internet can see: DNS records, certificates, web headers and mail policies. We never log in to, scan or probe any agency system. The 16 checks build on CISA Binding Operational Directive 18-01 and other published internet standards. Full method: yesgov.com/open-data#how-we-grade.

Verify this report online

Scan the code or visit the address below to see these results, check the domain again and get alerts when anything changes.

https://yesgov.com/check/halifaxma--gov?check=9544eeb2-cd8b-4e12-8f7e-53e8b3914ef1

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