

Website configuration

Subscore 83

DNS

83

- **Name servers** Required
2 name servers are configured, 2 of them reachable over IPv6.
- **IPv4 address** Required
The domain resolves to 2 IPv4 address(es), e.g. 104.18.12.189.
- **IPv6 address** Recommended
The domain resolves to 2 IPv6 address(es), e.g. 2606:4700::6812:dbd.
- **MX records** Optional
5 mail server(s) (MX) are configured for the domain.
- **CAA record** Recommended · Low
No CAA record is configured.
[Recommendation: Add a CAA record listing your certificate authority.](#)
- **DNSSEC** Recommended · Medium
DNSSEC is not enabled for this domain.
[Recommendation: Enable DNSSEC at your DNS operator and publish the DS record at your registrar; fix any broken chain.](#)

DNS servers

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- **DNS response** Required
The domain's nameservers deliver DNS responses.
- **Nameserver redundancy** Required
The domain has 2 nameservers.
- **Nameservers responding** Required
All 2 nameservers respond to queries.
- **Authoritative answers** Required
All nameservers answer authoritatively for the zone.
- **SOA serial in sync** Recommended
All nameservers report the same SOA serial number.
- **Open recursion** Required
No nameserver answers recursive queries for foreign domains.
- **Public NS addresses** Required
All nameserver addresses are publicly reachable.
- **Network dispersion** Recommended
The nameservers are spread across 10 different networks.
- **SOA refresh** Recommended
The SOA refresh value (10000) is within the recommended range.
- **SOA retry** Recommended
The SOA retry value (2400) is within the recommended range.
- **SOA expire** Recommended
The SOA expire value (604800) is within the recommended range.
- **SOA minimum TTL** Recommended
The SOA minimum TTL value (1800) is within the recommended range.

- **SOA serial format** Optional · Low
The SOA serial number (2409939207) does not follow the common convention (YYYYMMDDnn).
[Recommendation: If you maintain the zone yourself: use the YYYYMMDDnn format and increment the serial on every change.](#)
- **NS match with parent** Recommended
The zone's NS records match the delegation at the parent.
- **Glue records** Recommended
No glue records are needed (no nameservers inside the zone itself).
- **Primary listed at parent** Recommended
The primary nameserver (jermaine.ns.cloudflare.com) is included in the parent delegation.

HTTP / Security Headers

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- **Reachability** Required
The site is reachable over HTTPS.
- **IPv6 reachability** Recommended
The web server is reachable over IPv6 (2606:4700::6812:dbd).
- **HTTPS redirect** Recommended
Plain HTTP is redirected to HTTPS.
- **HSTS** Recommended
Your web server sends an HSTS policy.
- **Content-Security-Policy** Recommended
A Content-Security-Policy header is set.
- **X-Frame-Options** Recommended · Low
No X-Frame-Options header is set.
[Recommendation: Send X-Frame-Options: DENY or SAMEORIGIN, or an equivalent frame-ancestors CSP directive.](#)
- **X-Content-Type-Options** Recommended
The X-Content-Type-Options header is set to nosniff.
- **Referrer-Policy** Recommended · Low
No Referrer-Policy header is set.
[Recommendation: Send a Referrer-Policy such as strict-origin-when-cross-origin or no-referrer.](#)
- **HTTP compression** Optional · Low
HTTP compression (gzip) is active — a performance plus.
[Recommendation: Enable HTTP compression \(gzip or Brotli\) for text responses to improve load time and bandwidth.](#)
- **security.txt** Recommended
A security.txt file with a contact address is published.
- **HTTP/2** Recommended
The web server supports HTTP/2.
- **HTTP/3** Optional
The web server advertises HTTP/3 (QUIC) via the Alt-Svc header.
- **Cookie security** Recommended · Info
The homepage sets no cookies that could be assessed.
- **Mixed content** Required
The page loads no resources over unencrypted HTTP.
- **Subresource integrity** Recommended · Info
The page loads no external scripts/stylesheets where SRI would be relevant.

RPKI

100

- **RPKI (web server)** Recommended
The route-origin authorisation of the web server is RPKI-valid.
- **RPKI (nameservers)** Recommended
The route-origin authorisation of the nameservers is RPKI-valid.

TLS

- **HTTPS reachable** Required
An HTTPS service is reachable and completed a TLS handshake.
- **TLS versions** Required · High
The server still offers an outdated TLS version (1.0 or 1.1).
[Recommendation: Disable TLS 1.0 and 1.1 in your web server or CDN configuration and offer only TLS 1.2 and 1.3.](#)
- **Cipher suite** Required
The negotiated cipher suite (TLS_AES_128_GCM_SHA256) provides forward secrecy.
- **Certificate** Required
The certificate is trusted and valid for this host.
- **Certificate key** Required
The certificate uses a strong ECDSA key (256 bits).
- **Certificate signature** Required
The certificate uses a secure signature algorithm (ECDSA-SHA256).
- **OCSP stapling** Recommended · Low
The server does not staple an OCSP response.
[Recommendation: Enable OCSP stapling on the web server.](#)
- **DANE (HTTPS)** Optional · Low
No DANE (TLSA) records are published for HTTPS.
[Recommendation: With DNSSEC in place, publish TLSA records at `\\_443.\\_tcp.<host>` that match your certificate, and rotate them together with the certificate.](#)
- **Cipher order** Recommended
With TLS 1.3 the server chooses from a small set of uniformly strong suites — ordering is not a concern.
- **Key exchange** Required
The key exchange uses ECDHE with hash SHA256 — forward secrecy is provided.
- **TLS compression** Required
TLS 1.3 has no record compression — the weakness does not apply.
- **Renegotiation** Required
TLS 1.3 removed renegotiation entirely — no attack surface.
- **Extended Master Secret** Recommended
TLS 1.3's key schedule supersedes Extended Master Secret — the weakness does not apply.

Mail configuration

Subscore **95**

Mail

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- **Mail servers (MX)** Required
The domain has 5 mail server(s) (MX).
- **SPF** Recommended
An SPF record with a strict policy (-all) is published.
- **DKIM** Recommended
DKIM is set up, but the 1024-bit key is only marginally sufficient.
- **DMARC** Recommended
A DMARC record with an enforcing policy (p=quarantine) is published.
- **BIMI** Optional · Info
The domain does not publish a BIMI record.
[Recommendation: Optional: publish an SVG logo \(SVG Tiny PS\) at an HTTPS URL and a TXT record `default.\\_bimi.<domain>` with `v=BIMI1; l=<logo URL>`. An enforcing DMARC policy \(`p=quarantine` or `p=reject`\) is required; some providers additionally require a paid VMC certificate.](#)

- **MTA-STS** Recommended · Low
The domain publishes no MTA-STS policy.
[Recommendation: Publish the TXT record `\\_mta-sts.<domain>` plus a valid policy file at `https://mta-sts.<domain>/.well-known/mta-sts.txt` with `version`, `mode`, `max\\_age` and your `mx` entries. Start with `mode: testing` and switch to `mode: enforce` after reviewing the reports.](#)
- **TLS-RPT** Optional · Low
The domain publishes no TLS-RPT record.
[Recommendation: Publish a TXT record `\\_smtp.\\_tls.<domain>` with `v=TLSRPTv1; rua=mailto:tls-reports@<domain>` \(or an HTTPS reporting URL\).](#)
- **MX over IPv6** Recommended
All mail servers have an IPv6 address.
- **STARTTLS** Required
All mail servers offer STARTTLS with a valid certificate.
- **Mail TLS version** Required
All mail servers negotiate a modern TLS version (1.2 or 1.3).
- **DANE (SMTP)** Recommended · Low
No DANE (TLSA) records are published for the mail servers.
[Recommendation: With DNSSEC in place, publish TLSA records at `\\_25.\\_tcp.<mx>` that match each mail server's certificate, and rotate them together with the certificate.](#)
- **Cipher suite (mail)** Recommended
All mail servers use cipher suites with forward secrecy.
- **Mail server certificate** Required
All mail servers present a valid certificate matching the hostname.
- **Mail server key** Required
The certificate keys of all mail servers are sufficiently strong.
- **Mail server signature** Required
The certificates of all mail servers use a secure signature.
- **TLS compression (mail)** Required
No mail server has TLS compression enabled.
- **Renegotiation (mail)** Required
All mail servers support secure renegotiation or use TLS 1.3.
- **Extended Master Secret (mail)** Recommended
All mail servers support Extended Master Secret or use TLS 1.3.
- **Reverse DNS (PTR)** Recommended
All checked mail server IPs have a PTR record.
- **Open relay** Required
No mail server accepts mail to foreign recipients for relaying (no open relay).

Blacklist

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- **Spamhaus ZEN** Required
Not listed on Spamhaus ZEN (zen.spamhaus.org).
- **Spamhaus DBL** Required
Not listed on Spamhaus DBL (dbl.spamhaus.org).
- **Barracuda** Required
Not listed on Barracuda (b.barracudacentral.org).
- **SpamCop** Required
Not listed on SpamCop (bl.spamcop.net).
- **PSBL** Required
Not listed on PSBL (psbl.surriel.com).

- **OSPAM** Required
Not listed on OSPAM (bl.0spam.org).
- **BLOCKLIST.DE** Required
Not listed on BLOCKLIST.DE (bl.blocklist.de).
- **SURBL multi** Recommended
Not listed on SURBL multi (multi.surbl.org).
- **SEM FRESH** Recommended
Not listed on SEM FRESH (fresh.spameatingmonkey.net).
- **SEM Blacklist** Recommended
Not listed on SEM Blacklist (bl.spameatingmonkey.net).
- **SEM Backscatter** Recommended
Not listed on SEM Backscatter (backscatter.spameatingmonkey.net).
- **SPFBL** Recommended
Not listed on SPFBL (dnsbl.spfbl.net).
- **GBUdb Truncate** Recommended
Not listed on GBUdb Truncate (truncate.gbudb.net).
- **SpamRATS RATS-Spam** Recommended
Not listed on SpamRATS RATS-Spam (spam.spamrats.com).
- **SpamRATS RATS-Dyna** Recommended
Not listed on SpamRATS RATS-Dyna (dyna.spamrats.com).
- **SpamRATS RATS-NoPtr** Recommended
Not listed on SpamRATS RATS-NoPtr (noptr.spamrats.com).
- **JustSpam** Recommended
Not listed on JustSpam (dnsbl.justspam.org).
- **Fabel Spamsources** Recommended
Not listed on Fabel Spamsources (spamsources.fabel.dk).
- **s5h.net** Recommended
Not listed on s5h.net (all.s5h.net).
- **DroneBL** Recommended
Not listed on DroneBL (dnsbl.dronebl.org).
- **InterServer RBL** Recommended
Not listed on InterServer RBL (rbl.interserver.net).
- **Mailspike** Recommended
Not listed on Mailspike (z.mailspike.net).
- **UCEPROTECT Level 1** Recommended
Not listed on UCEPROTECT Level 1 (dnsbl-1.uceprotect.net).
- **UCEPROTECT Level 2** Optional
Not listed on UCEPROTECT Level 2 (dnsbl-2.uceprotect.net).
- **UCEPROTECT Level 3** Optional
Not listed on UCEPROTECT Level 3 (dnsbl-3.uceprotect.net).

RPKI (mail)

- **RPKI (mail servers)** Recommended
The route-origin authorisation of the mail servers is RPKI-valid.

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