DNS Intelligence Report

it-help.tech

🕐 2026-02-07 22:26 UTC · ⏱ 1.8s

🛡 DNS & Trust Posture: **SECURE**

All security controls enforced including DNSSEC.

EMAIL SPOOFING

Protected

BRAND IMPERSONATION

Basic

DNS TAMPERING

Protected

CERTIFICATE CONTROL

Configured

✅ **Configured**

DMARC (email spoofing protection), DKIM (1 selector(s), 2048-bit), DNSSEC (DNS responses signed), CAA (certificate issuance restricted), MTA-STS (policy present), TLS-RPT (reporting configured), BIMI (brand logo configured)

REGISTRAR (RDAP)

🪪 **Amazon Registrar, Inc.**

Where you pay to own domain

WEB HOSTING

🖥 **AWS / Amazon**

Where website is hosted

EMAIL SERVICE PROVIDER

✉ **Google Workspace**

Where email is hosted (MX)

DNS HOSTING

🔀 **Amazon Route 53** `Enterprise`

Where DNS records are edited

🛡 **Email Security**   Can this domain be impersonated by email? **No**

> 🔨 **Verdict:** DMARC policy is reject - spoofed messages will be blocked by receiving servers. DKIM keys verified with strong cryptography.

✉ **SPF Record** ℹ RFC 7208

`Success` `~all` `1/10 lookups`

SPF valid with industry-standard soft fail (~all), 1/10 lookups

```
v=spf1 include:_u.it-help.tech._spf.smart.ondmarc.com ~all
```

> ℹ **~all is the industry standard.** Google, Apple, and most providers default to soft fail. CISA (BOD 18-01) and RFC 7489 §10.1 confirm that DMARC policy — not SPF alone — is the primary enforcement control. Using ~all ensures DKIM can always be evaluated before a DMARC decision is made. **This domain uses ~all + DMARC reject: the strongest compatible security stance, aligned with CISA and RFC guidance.**

SPF flattened by OnDMARC (Red Sift)

🔒 DMARC Policy   ℹ RFC 7489

Success   **p=reject**

DMARC policy reject (100%) - excellent protection

```
v=DMARC1; p=reject; pct=100; sp=reject; rua=mailto:dc1e127b@inbox.ondmarc.com; adkim=r; a
spf=r; fo=1; rf=afrf; ri=3600
```

Alignment: **SPF relaxed**   **DKIM relaxed**   **sp=reject**

🛡 Reported to OnDMARC (Red Sift)

🔑 DKIM Records   ℹ RFC 6376

Found   **2048-bit**

Found DKIM for 1 selector(s) with strong keys (2048-bit)

✅ google._domainkey   **Google Workspace**   **2048-bit**

```
v=DKIM1; k=rsa; p=MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEApb3onIiQsLq6/SLBfl88zt4CsCw
p56n2M3GgAENKfVPV3s68+d6gQduuQAO2VL1VaAJU3XAh9gravPqZqev6Lt/qrGKYXUUcXRQ9zE3+YcJIMNGyP9xa
Id43TZ3szC6Q2DNxqfOFNdnZfRv6plKSGRlzfWK4QaPxr66GRGKRvfaDGtZS6E8PhACYXgjshexZB76T9iUM4MC3W
teUl1NTr1nUsJeY6RdJhxGr9NKi00qHJO8MHmA73d6dYDaf+eBE4BX90ZgbghKvA+CYws9WXVAwK4IUB3zj8a6Qh3
98tvhIEwivkwD7x65rZsMl32iHIdkp+alfQV4tFlc2wIm+hQIDAQAB
```

🛡 MTA-STS   ℹ RFC 8461   **Success**   **ENFORCE**   ✅ **Policy Verified**

MTA-STS enforced - TLS required for 1 mail server(s)

```
v=STSv1; id=1741123722267
```

Policy Details:
- Mode: enforce
- Max Age: 14 days (1209600 seconds)
- MX Patterns: smtp.google.com

ℹ RFC 8460

🖹 TLS-RPT   **Success**

TLS-RPT configured - receiving TLS delivery reports

```
v=TLSRPTv1; rua=mailto:dc1e127b@inbox.ondmarc.com;
```

🛡 **Reported to OnDMARC (Red Sift)**

⚙ Email Security Management   ✅ **Actively Managed**

> 🔍 **Intelligence:** This domain uses dedicated email security management — indicating continuous monitoring and professional oversight, not a "set and forget" configuration. Most tools ignore reporting destinations; we extract the operational security partner network directly from DNS.

OnDMARC by Red Sift

`DMARC`   `TLS-RPT`   `SPF flattening`

> DMARC aggregate reports (rua)
> TLS-RPT delivery reports
> SPF flattening (include:_u.it-help.tech._spf.smart.ondmarc.com)

SPF flattening detected: Dynamic SPF management via OnDMARC — keeps include count within the 10-lookup limit automatically.

✿ Brand Security

Can this brand be convincingly faked? `No`

> 🔨 **Verdict:** Attackers cannot easily spoof your logo or obtain fraudulent TLS certificates.

🖼 BIMI ℹ BIMI Spec `Success` `No VMC` `✓ SVG`

BIMI configured - logo validated (VMC recommended for Gmail)

ℹ BIMI works without VMC! VMC (Verified Mark Certificate) requires a registered trademark. Small businesses can use BIMI with just a logo - it shows in Apple Mail and some providers. Gmail requires VMC.

```
v=BIMI1;l=https://www.it-help.tech/bimi-logo.svg
```

BIMI
MI

✅ Logo validated (SVG)
↗ View full logo

🔒 CAA ℹ RFC 8659 `Success` `IODEF`

CAA configured - only Amazon, Let's Encrypt can issue certificates (including wildcards)

Authorized CAs: `Amazon` `Let's Encrypt`

```
0 issue "amazon.com"
```

```
0 issuewild "letsencrypt.org"
```

```
0 iodef "mailto:hello@it-help.tech"
```

```
0 issue "letsencrypt.org"
```

🛡️ Domain Security

Can DNS itself be tampered with? No

> 📌 **Verdict:** DNS responses are authenticated from the root downward. Delegation is verified.

🔑 DNSSEC ℹ️ RFC 4033 Signed ECDSA P-256/SHA-256

DNSSEC fully configured and validated - AD flag confirmed by resolver

✅ **Chain of trust:** Root → TLD → Domain. DNS responses are authenticated and tamper-proof.

🛡️ **AD Flag:** Validated - Resolver (8.8.8.8) confirmed cryptographic signatures

DS Record (at registrar):

```
12492 13 2 3F0538D5BA61D8D90ECBFBBF7B5B40508D00A794649CE949EA77FC8862E5531A
```

🔗 NS Delegation Verified

4 nameserver(s) configured

Nameservers:

ns-1117.awsdns-11.org   ns-1603.awsdns-08.co.uk   ns-4.awsdns-00.com   ns-529.awsdns-02.net

Multi-Resolver Verification: Discrepancy detected - Some resolvers returned different results

≫ (1 difference found)

> ⚠️ **Resolver Differences:**
>
> › A: Cloudflare returned different results: ['143.204.204.109', '143.204.204.129', '143.204.204.52', '143.204.204.72']
>
> This may indicate DNS propagation in progress or geo-based DNS routing.

🛰️ Traffic & Routing Where traffic flows & how services resolve

A IPv4 Address

```
13.226.2.63
```
```
13.226.2.51
```
```
13.226.2.105
```
```
13.226.2.70
```

Where the domain points for web traffic

AAAA IPv6 Address

```
2600:9000:21f8:2e00:13:842a:58c0:93a1
```
```
2600:9000:21f8:4000:13:842a:58c0:93a1
```
```
2600:9000:21f8:1600:13:842a:58c0:93a1
```
```
2600:9000:21f8:a200:13:842a:58c0:93a1
```
```
2600:9000:21f8:5600:13:842a:58c0:93a1
```

```
2600:9000:21f8:ea00:13:842a:58c0:93a1
```

```
2600:9000:21f8:ee00:13:842a:58c0:93a1
```

```
2600:9000:21f8:3200:13:842a:58c0:93a1
```

✓ IPv6 ready

MX Mail Servers

```
1 smtp.google.com.
```

Priority + mail server for email delivery

SRV Services

— No SRV records

No service-specific routing configured

🌐 **Web:** Reachable (4 IPv4, 8 IPv6)   ✉ **Mail:** 1 server   ⚙ **Services:** None

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🔄 **Δ Changes Detected:** **A** **AAAA** Resolver ≠ Authoritative (TTL / CDN rotation / recent change)
🕐 Risk: Low - typically resolves within TTL

🔀 **Live DNS Diff**   **Real-time propagation comparison** | See exactly what public resolvers return vs. what your authoritative nameserver has. Spot propagation delays, stale cache, and DNS misconfigurations instantly.

⚡ DNS Evidence Diff Side-by-side comparison

🗄 Resolver Records (Public DNS cache)

▦ Authoritative Records (Source of truth)

| A | 🕐 Propagating | 4 / 4 records |

13.226.2.63

13.226.251.45

13.226.2.51

13.226.251.104

13.226.2.105

13.226.251.106

13.226.2.70

13.226.251.125

| AAAA | 🕐 Propagating | 8 / 8 records |

2600:9000:21f8:2e00:13:842a:58c0:93a1

2600:9000:2201:4a00:13:842a:58c0:93a1

2600:9000:21f8:4000:13:842a:58c0:93a1

2600:9000:2201:de00:13:842a:58c0:93a1

2600:9000:21f8:1600:13:842a:58c0:93a1

2600:9000:2201:1c00:13:842a:58c0:93a1

2600:9000:21f8:a200:13:842a:58c0:93a1

2600:9000:2201:4400:13:842a:58c0:93a1

2600:9000:21f8:5600:13:842a:58c0:93a1

2600:9000:2201:3e00:13:842a:58c0:93a1

2600:9000:21f8:ea00:13:842a:58c0:93a1

```
2600:9000:2201:9200:13:842a:58c0:93a1
```

```
2600:9000:21f8:ee00:13:842a:58c0:93a1
```

```
2600:9000:2201:1800:13:842a:58c0:93a1
```

```
2600:9000:21f8:3200:13:842a:58c0:93a1
```

```
2600:9000:2201:a000:13:842a:58c0:93a1
```

MX ✓ Synchronized   1 / 1 records

```
1 smtp.google.com.
```

```
1 smtp.google.com.
```

TXT ✓ Synchronized   8 / 8 records

```
75fb54a0-061c-11f0-a839-09712ee48904
```

```
75fb54a0-061c-11f0-a839-09712ee48904
```

```
google-site-verification=BnjqY2BGRiD4dDcPTYt235UM40y0QR3p_DX-OfVfXVg
```

```
apple-domain-verification=0Fr6C3CKU6a7VuF2KwsdLQpksMIPUrsSk8T6W-i5P3E
```

```
v=spf1 include:_u.it-help.tech._spf.smart.ondmarc.com ~all
```

```
facebook-domain-verification=76rq4jzu9l70hfw98qkma7lgsougsg
```

```
google-site-verification=FaC0aC3UvT7d88w-4Vg0lNH2WdCV4FQOmbf0_p25Nkc
```

```
google-site-verification=BnjqY2BGRiD4dDcPTYt235UM40y0QR3p_DX-OfVfXVg
```

```
apple-domain-verification=0Fr6C3CKU6a7VuF2KwsdLQpksMIPUrsSk8T6W-i5P3E
```

```
google-site-verification=FaC0aC3UvT7d88w-4Vg0lNH2WdCV4FQOmbf0_p25Nkc
```

```
google-site-verification=qRV0IpeTmVGGCbCgy1bB4vsJpUXVSw1sXLSfPC01vgs
```

```
google-site-verification=qRV0IpeTmVGGCbCgy1bB4vsJpUXVSw1sXLSfPC01vgs
```

```
facebook-domain-verification=76rq4jzu9l70hfw98qkma7lgsougsg
```

```
openai-domain-verification=dv-u60z0qkvBe135qAUQSKYKNDU
```

```
openai-domain-verification=dv-u60z0qkvBe135qAUQSKYKNDU
```

```
v=spf1 include:_u.it-help.tech._spf.smart.ondmarc.com ~all
```

NS ✓ **Synchronized**   4 / 4 records

```
ns-4.awsdns-00.com.
```
```
ns-1117.awsdns-11.org.
```
```
ns-1117.awsdns-11.org.
```
```
ns-1603.awsdns-08.co.uk.
```
```
ns-1603.awsdns-08.co.uk.
```
```
ns-4.awsdns-00.com.
```
```
ns-529.awsdns-02.net.
```
```
ns-529.awsdns-02.net.
```

Confirm Your Email Configuration

This tool analyzes DNS records, but to verify actual email delivery, send a test email to

Red Sift Investigate ↗. Their tool shows exactly how your emails arrive, including SPF/DKIM/DMARC

pass/fail results in the headers.

Report reflects evaluated DNS security posture at time of generation.

Made by IT Help San Diego Inc.

Need help with DNS? Call 619-853-5008