RESEARCH BATCH REPORT

Who Signs the Signers?

What 73 Identity and Authentication Vendors Reveal About Their Own DNS

METHODOLOGY	DOMAINS SCORED	CHECK DATE	PUBLISHER
NODA-v1.0.2	73	2026-11-07 (14:00–14:09 UTC)	NODA / MarinaDNS

1. Sample summary

MEAN BEST PRACTICE
79.3
median 79 · range 67–100

MEAN HEALTH
97.7
median 98 · range 91–100

DNSSEC SIGNED (DS AT PARENT)
32.9%
24 of 73 · 4 keys without DS · 45 unsigned

This report covers 73 apex domains of identity, authentication and identity-verification vendors and standards bodies, in seven sub-groups. All 73 are in the Exceptional Health tier. On Best Practice, 7 are Exceptional, 41 Good and 25 Needs Improvement. Every signed zone scores 82 or higher, and all 37 domains below 82 are unsigned. DMARC is enforced on all mail for 61 of 73 (83.6%).

SUB-GROUP	N	SIGNED	KEYS, NO DS	UNSIGNED	MEDIAN BP	MEDIAN HEALTH
Enterprise SSO / IAM / PAM	18	4	1	13	74	99
Auth-serving zones	5	1	0	4	74	98
MFA / hardware / FIDO	14	4	0	10	75	97
Developer / CIAM	11	2	2	7	75	97
Password managers	9	5	0	4	86	99
Identity verification / eID	12	8	0	4	86	99
Standards bodies	4	0	1	3	78.5	96.5

2. Methodology summary

NODA-v1.0.2 produces two independent composite scores per domain: Health (does the DNS infrastructure function correctly, with no active operational risk) and Best Practice (does it conform to recommended standards and hardening beyond bare function). The two are never blended. Each of the 41 checks is deterministic and belongs to one of five weighted categories (Infrastructure 30%, Security 25%, Email Authentication 20%, Reliability 15%, Operational Best Practices 10%), and is scored Pass (1.0), Warning (0.5) or Critical (0.0). A Conditional check resolves to Not Applicable when its prerequisite record set is absent and is excluded from both the numerator and denominator of the axis it would have contributed to; because category weights apply per check, this lowers that category's effective share of the axis (§6.3). Full specification: noda.marinadns.io/methodology/v1.0.2.

3. A note on intent

This report gives the output of a deterministic, published and open methodology applied identically to every domain listed. It describes DNS configuration state as observed on the check date only. It is not a judgment of any organisation's products, security posture or fitness as a vendor, and nothing here is investment guidance or a claim of financial materiality regarding any publicly traded company. Anyone can run the same 41 checks at noda.marinadns.io.

4. Full results — all 73 domains, sorted by Best Practice, descending

#	DOMAIN	SUB-GROUP	BP	HEALTH	DNSSEC	DMARC	SPF
1	thalesgroup.com	MFA / hardware / FIDO	100	100	Signed	p=quarantine	-all
2	bankid.com	Identity verification / eID	97	100	Signed	p=reject	-all
3	mitid.dk	Identity verification / eID	97	98	Signed	p=reject	-all
4	imprivata.com	Enterprise SSO / IAM / PAM	94	97	Signed	p=reject	~all
5	proton.me	Password managers	92	100	Signed	p=quarantine	~all
6	roboform.com	Password managers	90	99	Unsigned	p=quarantine	-all
7	pingidentity.com	Enterprise SSO / IAM / PAM	90	95	Unsigned	p=quarantine	~all
8	signicat.com	Identity verification / eID	89	98	Signed	p=none	~all
9	bitwarden.com	Password managers	89	97	Signed	p=reject	~all
10	id.me	Identity verification / eID	89	97	Signed	p=reject	~all
11	cyberark.com	Enterprise SSO / IAM / PAM	89	96	Signed	p=reject	-all
12	clear.me	Identity verification / eID	87	91	Unsigned	No record	No record
13	dashlane.com	Password managers	86	99	Signed	p=reject	-all
14	keepersecurity.com	Password managers	86	99	Signed	p=reject	redirect=
15	login.gov	Identity verification / eID	86	99	Signed	p=reject	~all
16	onfido.com	Identity verification / eID	86	99	Signed	p=quarantine	-all
17	veriff.com	Identity verification / eID	86	99	Signed	p=reject	-all
18	yubico.com	MFA / hardware / FIDO	86	99	Signed	p=reject	~all
19	entrust.com	MFA / hardware / FIDO	86	98	Signed	p=reject	-all
20	zitadel.com	Developer / CIAM	86	98	Signed	p=none	~all
21	descope.com	Developer / CIAM	86	97	Signed	p=reject	-all
22	keepassxc.org	Password managers	86	97	Signed	p=reject	~all
23	nitrokey.com	MFA / hardware / FIDO	86	97	Signed	p=reject	-all
24	forgerock.com	Enterprise SSO / IAM / PAM	86	96	Signed	p=quarantine · pct=0	-all
25	ftsafe.com	MFA / hardware / FIDO	85	98	Unsigned	p=quarantine	-all
26	1password.com	Password managers	83	99	Unsigned	p=quarantine	~all
27	beyondtrust.com	Enterprise SSO / IAM / PAM	83	99	Signed	p=reject	~all
28	idnow.io	Identity verification / eID	83	99	Signed	p=reject	-all
29	lastpass.com	Password managers	83	99	Unsigned	p=reject	redirect=
30	silverfort.com	Enterprise SSO / IAM / PAM	83	99	Unsigned	p=reject	-all
31	openid.net	Standards bodies	83	98	Unsigned	p=none	-all
32	live.com	Auth-serving zones	82	98	Signed	p=none	~all
33	workos.com	Developer / CIAM	82	97	Keys, no DS	p=reject	~all
34	fidoalliance.org	Standards bodies	82	96	Keys, no DS	p=none	~all
35	saviynt.com	Enterprise SSO / IAM / PAM	82	96	Keys, no DS	p=quarantine	~all
36	authelia.com	Developer / CIAM	82	95	Keys, no DS	p=reject	-all
37	okta.com	Enterprise SSO / IAM / PAM	79	98	Unsigned	p=reject	-all

38	authy.com	MFA / hardware / FIDO	75	97	Unsigned	p=reject	~all
39	frontegg.com	Developer / CIAM	75	97	Unsigned	p=reject	~all
40	goteleport.com	Enterprise SSO / IAM / PAM	75	97	Unsigned	p=reject	-all
41	kantarainitiative.org	Standards bodies	75	97	Unsigned	p=quarantine · pct=25	~all
42	nordpass.com	Password managers	75	97	Unsigned	p=reject	-all
43	onespan.com	MFA / hardware / FIDO	75	97	Unsigned	p=reject	~all
44	ory.sh	Developer / CIAM	75	97	Unsigned	p=reject	~all
45	supertokens.com	Developer / CIAM	75	97	Unsigned	p=reject	-all
46	idsalliance.org	Standards bodies	75	96	Unsigned	p=none	~all
47	onlykey.io	MFA / hardware / FIDO	75	94	Unsigned	p=none	~all
48	solokeys.com	MFA / hardware / FIDO	75	94	Unsigned	No record	~all
49	okta-emea.com	Auth-serving zones	74	100	Unsigned	p=reject	-all
50	oktapreview.com	Auth-serving zones	74	94	Unsigned	p=quarantine	~all
51	onelogin.com	Enterprise SSO / IAM / PAM	73	100	Unsigned	p=reject	-all
52	auth0.com	Enterprise SSO / IAM / PAM	71	99	Unsigned	p=quarantine	-all
53	duo.com	MFA / hardware / FIDO	71	99	Unsigned	p=reject	~all
54	duosecurity.com	Auth-serving zones	71	99	Unsigned	p=reject	~all
55	hypr.com	MFA / hardware / FIDO	71	99	Unsigned	p=reject	~all
56	itsme-id.com	Identity verification / eID	71	99	Unsigned	p=reject	-all
57	jumio.com	Identity verification / eID	71	99	Unsigned	p=reject	~all
58	jumpcloud.com	Enterprise SSO / IAM / PAM	71	99	Unsigned	p=quarantine	redirect=
59	keycloak.org	Developer / CIAM	71	99	Unsigned	p=quarantine	~all
60	stytch.com	Developer / CIAM	71	99	Unsigned	p=quarantine	-all
61	transmitsecurity.com	Enterprise SSO / IAM / PAM	71	99	Unsigned	p=reject	~all
62	withpersona.com	Identity verification / eID	71	99	Unsigned	p=reject	~all
63	sailpoint.com	Enterprise SSO / IAM / PAM	71	98	Unsigned	p=reject	~all
64	clerk.com	Developer / CIAM	71	97	Unsigned	p=reject	~all
65	protectimus.com	MFA / hardware / FIDO	71	97	Unsigned	p=reject	~all
66	token2.com	MFA / hardware / FIDO	71	95	Unsigned	p=none	~all
67	microsoftonline.com	Auth-serving zones	71	94	Unsigned	p=reject	-all
68	delinea.com	Enterprise SSO / IAM / PAM	67	99	Unsigned	p=reject	-all
69	fusionauth.io	Developer / CIAM	67	99	Unsigned	p=reject	-all
70	rsa.com	Enterprise SSO / IAM / PAM	67	99	Unsigned	p=reject	~all
71	secureauth.com	Enterprise SSO / IAM / PAM	67	99	Unsigned	p=quarantine	~all
72	strongdm.com	Enterprise SSO / IAM / PAM	67	99	Unsigned	p=reject	~all
73	hidglobal.com	MFA / hardware / FIDO	67	97	Unsigned	p=reject	-all

DKIM: a key not found at the selectors NODA checks is Informational, not absent (§6.3). SPF "redirect=": NODA follows the redirect; all passed. Batch identity_provider_v102_2026-11-07. Every score recomputed independently from Appendix A weights (73/73 match); DS, DNSKEY, DMARC and SPF cross-checked with raw dig via 1.1.1.1 (0 mismatches).