

Compliance testing with internet.nl

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(Proxying a lot of people)

Internet standards platform



“Comply or explain”

internet.nl

- User friendly way to test adoption of standards
 - Compliance test, exclusively security standards!
- To be used by “end users”
- Create user demand by creating awareness
- Three categories: Connection, Web and Email

Scoring

- 100% is possible
 - but not required
- Explanations why some tests failed
 - Suggestions for improvement
 - There might be valid reasons for failing
- Not a debugging aid or a learning tool
- Designed by committee

internet.nl

Daily Sites Apple SID Data Access

Puzzelwoordenboek was.ap localhost:11334 - Rspamd... Feature #269: Missing dep... Test for modern Internet S... ICANN Meeting Contacts Test for modern Internet S...

English Nederlands

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Modern Internet Standards provide for more reliability and further growth of the Internet. Are you using them?

Test your website

Modern address? Signed domain? Secure connection? Security options?

[about the test >](#)

Your domain name:

Start test

Test your email

Modern address? Signed domain? Anti-phishing? Secure connection?

[about the test >](#)

Your email address:

Start test

Test your connection

Modern addresses reachable? Domain signatures validated?

[about the test >](#)

Start test


News

Next major release of Internet.nl will use the new TLS guidelines >

Open source release Internet.nl including 'security headers' >

Email test on Internet.nl extended >

Hall of Fame

14212 websites with 100% score 
Latest entry: 17-06-2019

- ✓ www.voordebuurt.nl
- ✓ www.tjerkpeters.nl
- ✓ www.nlight.be

Statistics

204409 website tests

- ✓ 100% score: 14212 websites
- ✗ 0-99% score: 190197 websites

79517 email tests

- ✓ 100% score: 2709 mail servers



Website test: registration.icann.org

91%

- ✗ Not reachable via modern internet address, or improvement possible (IPv6)
- ✓ Domain name signed (DNSSEC)
- ✗ Connection *not* or insufficiently secured (HTTPS)
- ! One or more recommended application security options *not* set (Security options)

[Explanation of test report](#)

[Permalink test result \(2019-06-21 16:20 CEST\)](#)

[Rerun the test](#)

Tweet

Test another website

Your domain name:

www.example.nl

Start test

Test another email

Your email address:

@ example.nl

Start test

internet.nl/site/events.icann.org/548338/

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Puzzelwoordenboek was.ap localhost:11334 - Rspamd... Feature #269: Missing dep... Website test: events.icann... ICANN Meeting Contacts Test for modern Internet S...

Internet.nl IS YOUR INTERNET UP TO DATE? English Nederlands

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Website test: events.icann.org

55%

- ✗ Not reachable via modern internet address, or improvement possible (IPv6)
- ✗ Domain name *not* signed (DNSSEC)
- ✓ Connection sufficiently secured (HTTPS)
- ! One or more recommended application security options *not* set (Security options)

[Explanation of test report](#) [Tweet](#)
[Permalink test result \(2019-06-17 14:07 CEST\)](#)
 Seconds until retest option: 189

✗ IPv6

Too bad! Your website is *not* reachable for visitors using a modern internet address (IPv6), or improvement is possible. Therefore your website is not part of the modern Internet yet. You should ask your hosting provider to fully enable IPv6.

[Show details](#)

Name servers

✓ IPv6 addresses for name servers

Test another website

Your domain name:

[Start test](#)

Test another email

Your email address:

[Start test](#)

Directly test:
[@events.icann.org](#)

Test your connection

[Start test](#)

internet.nl/site/events.icann.org/548338/

Daily Sites ■ Apple ▼ SID Data Access

Puzzelwoordenboek was.ap localhost:11334 - Rspamd... Feature #269: Missing dep... Website test: events.icann... ICANN Meeting Contacts Test for modern Internet S...

Name servers

IPv6 addresses for name servers

Verdict:
Two or more name servers of your domain have an IPv6 address.

Test explanation:
We check if your domain name has at least two name servers with an IPv6 address. This is consistent with the [technical requirement of SIDN](#) (.nl TLD registry) that each .nl domain must have at least two name servers.

Technical details:

Name server	IPv6 address	IPv4 address
b.iana-servers.net.	2001:500:8d::53	199.43.133.53
c.iana-servers.net.	2001:500:8e::53	199.43.134.53
ns.icann.org.	2001:500:89::53	199.4.138.53
a.iana-servers.net.	2001:500:8f::53	199.43.135.53

IPv6 reachability of name servers

Verdict:
All name servers that have an IPv6 address are reachable over IPv6.

Test explanation:
We check if all name servers, that have an AAAA record with IPv6 address, are reachable over IPv6.

Web server

IPv6 addresses for web server

Test your connection

[Start test](#)

Further website testing

IPv6:

- [IP6.nl](#)
- [NAT64 Check](#)
- [IP address visibility](#)

DNSSEC:

- [DNSViz](#)
- [Zonemaster](#)

HTTPS:

- [Observatory by Mozilla](#)
- [SSLlabs](#)

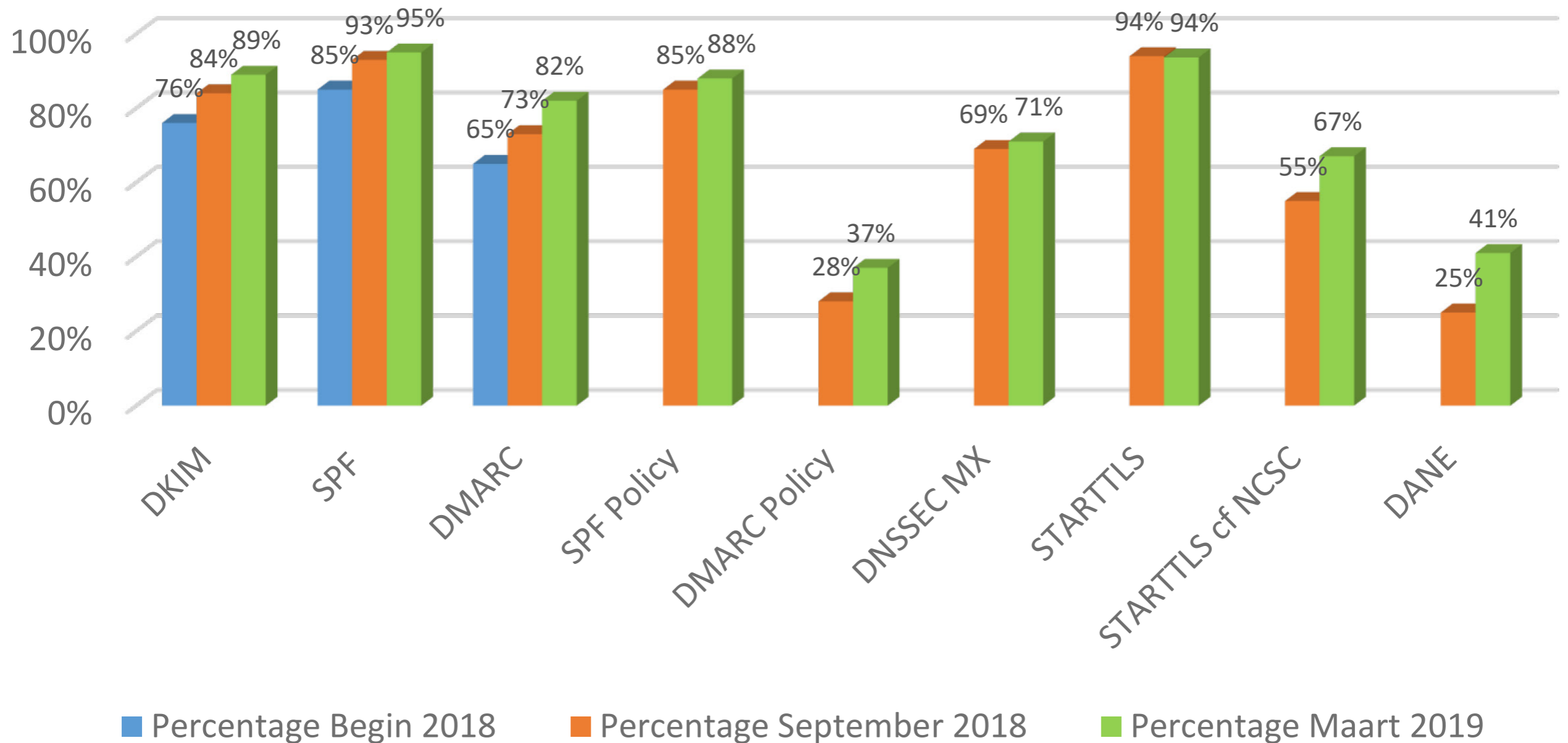
Security options:

- [CSP Evaluator](#)
- [Analyze your CSP](#)

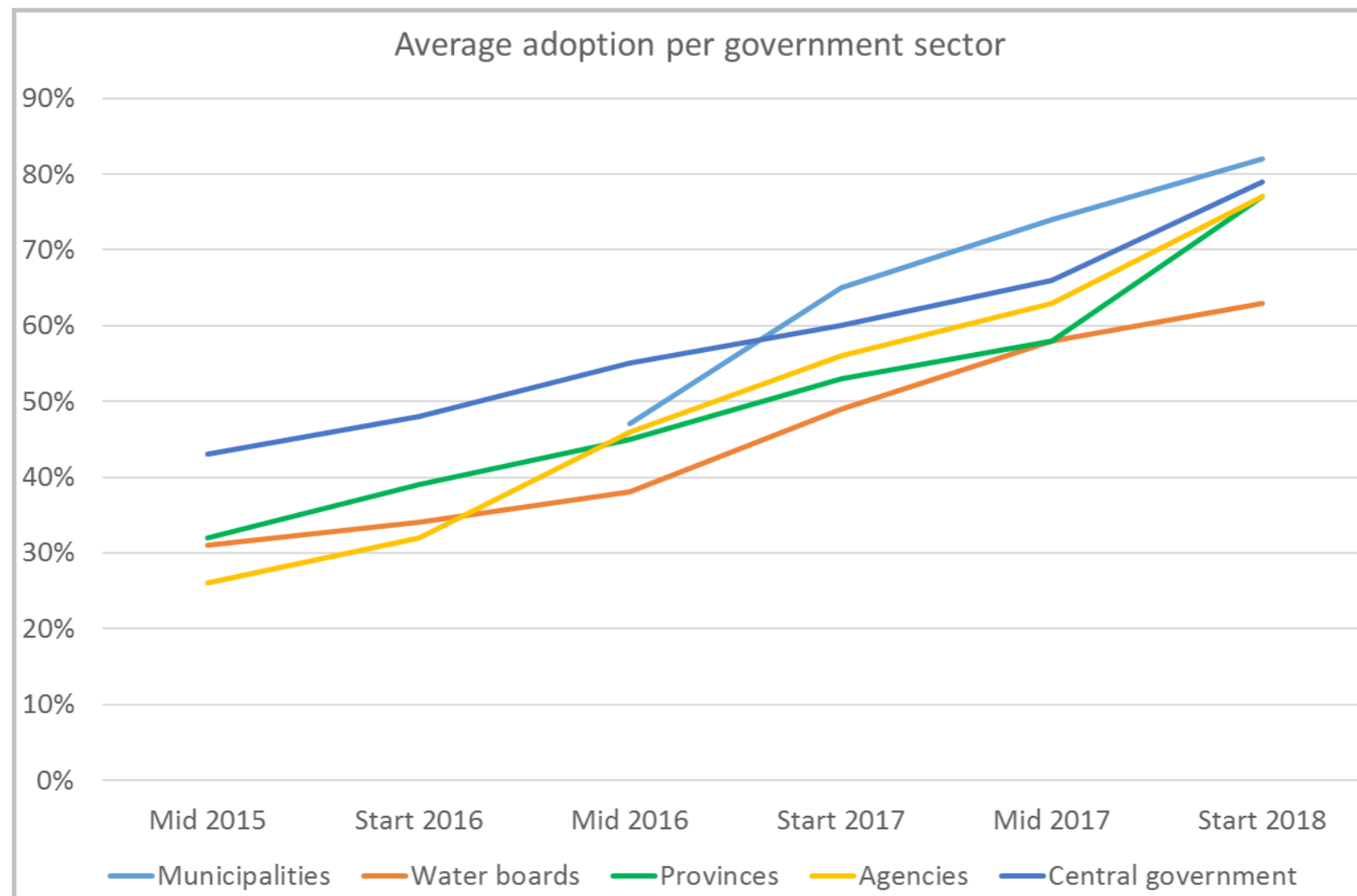
Batch test

- RESTful API for testing large sets
- Periodically tests all Dutch Government domains
- In future API open for larger audience

Adoption rate (email standards)



Adoption rate (email total)



~~Planned~~

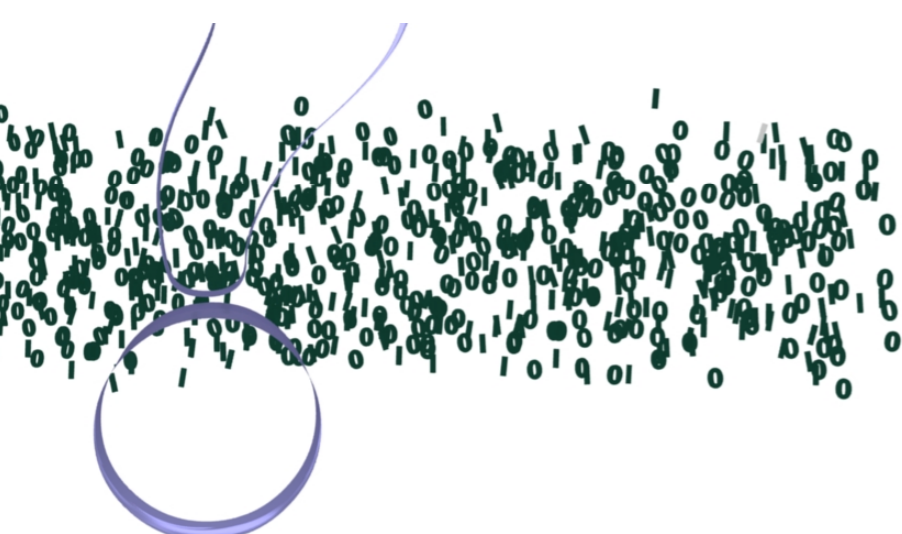
- Redesign to aid translation
- Open Source: Released Now
 - <https://github.com/NLnetLabs/Internet.nl>

Details

Test site: www.internet.nl

More info: www.internet.nl/about

Email: question@internet.nl



Questions?