



MailCheck

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**.se**



# An "Infrastructure" Project

- Creates long term value for the Internet in Sweden according to **.SE's statutes**
- Provides data for the health check project
- Other projects with similar goals are;
  - Bredbandskollen
  - DNSCheck
  - OpenDNSSEC



# MailCheck

- Aiming to create a tool that makes a very comprehensive test of e-mail servers;
  - Fingerprinting and version tests
  - Standard compliance
  - Best current praxis for configuration
  - Additional standards for security/reliability such as;
    - **SPF**
    - **DKIM**
    - **ADSP (Author Domain Signing Practices) etc.**
    - **\*TLS, certificates etc.**
  - Check for Spam problems (Open-relay? Blacklisted? Known vulnerabilities?)
  - Performance
- Should be useful for a non-technician and give indications on status!
- Present advanced information and technical advice for technicians!



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## Test your Mail-server and find errors

E-mail address:

Enter your e-mail address in the field above to test your server.

Test now

- ▶ Home
- ▶ I don't want to be tested
- ▶ Technical info
- ▶ Bug report



### Warnings found in test:

mynta.org, 2009-10-30 09:25:32

Basic results

Advanced results



DNS



- MX record
- Public MX records
- Duplicate IP for MX record
- MX record CNAME

## Test history

- 2009-10-29 14:08:41
- 2009-10-29 12:54:58
- 2009-10-29 12:53:08



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Mynta.Org



## Warnings found in test:

iis.se, 2009-10-12 11:11:17

### Basic results

### Advanced results

#### DNS

- MX record
  - Only one record found, two or more is recommended
- Public MX records
- Duplicate MX record
- MX record CNAME
- Differing MX records
- A record

#### SMTP server

- Connection
- OpenRelay
- User scanning
- Hostname greeting
- Low port

### Test history

- 2009-09-23 19:25:58
- 2009-09-22 10:54:08
- 2009-09-09 12:44:31
- 2009-09-09 08:58:43

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### Explanation

- Test was ok
- Test contains warnings
- Test contains errors
- Test was not performed

Link to this test:

<http://mailcheck.gatorhole.com/?test=5499>

## SMTP server

### Connection

Starting connection test

Connection test against mx1.iis.se (212.247.7.222) successful in 0.076890s

Finished connection test

### OpenRelay

Started open relay test

Test 1 on host mx1.iis.se:

```
>>> HELO mx1.iis.se
<<< 250 mx1.iis.se
>>> RSET
<<< 250 2.0.0 Ok
>>> MAIL FROM: <spamtest@mailcheck.gatorhole.com>
<<< 250 2.1.0 Ok
>>> RCPT TO: <relaytest@mailcheck.gatorhole.com>
<<< 554 5.7.1 <relaytest@mailcheck.gatorhole.com>: Recipient address
rejected: Relay access denied
```

Test 2 on host mx1.iis.se:

```
>>> HELO mx1.iis.se
<<< 250 mx1.iis.se
>>> RSET
<<< 250 2.0.0 Ok
>>> MAIL FROM: <spamtest@mailcheck.gatorhole.com>
<<< 250 2.1.0 Ok
>>> RCPT TO: relaytest@mailcheck.gatorhole.com
<<< 554 5.7.1 <relaytest@mailcheck.gatorhole.com>: Recipient address
rejected: Relay access denied
```

Test 3 on host mx1.iis.se:

```
>>> HELO mx1.iis.se
```



# Public Beta

- It is already possible to use the service:  
<http://mailcheck.iis.se/>
- New functions will be added over time.
- On the web site, there will be information about the technical framework, progress of the project and the possibility to contribute with ideas etc.
- The code will eventually be released under an open source license.





# Health check

- MailCheck will be a tool for testing mail services and collect statistics.
- Individual users testing their services give some data.
- In batch mode, testing multiple services based on lists will give more specific data.
- Evaluation of results can give important information on where education, information and further development is needed.



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- For more information;
  - <http://mailcheck.iis.se>
  - <http://lists.iis.se/mailman/listinfo/mailcheck>

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