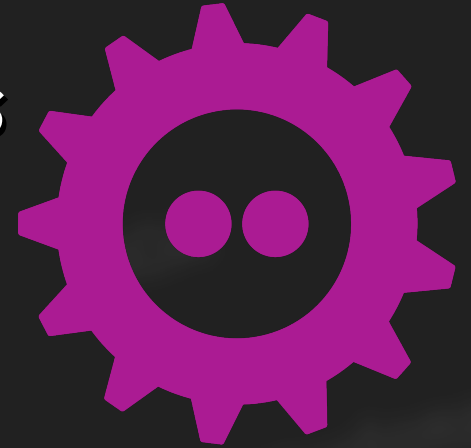




Let's make people **love**  
**domain names** again!

---

Thank you to all the volunteers  
and sponsors who made our  
conference possible



Red Hat

arm



CodeThink

colt



draw.io

dstny

ECLIPSE  
FOUNDATION



moz://a



ULB

# It's always DNS!

ZDNET

## Microsoft Cloud services were down for some users

Microsoft's cloud services were having problems. It was a DNS issue -- of course. (No fooling!)

ZDNET

## Azure global outage: Our DNS update mangled domain records, says Microsoft

Azure, Microsoft 365, Dynamics, Power BI, DevOps, all down for nearly two hours.



Slack Status  
@SlackStatus



Our investigation of this connection issue is still ongoing at this time. We'll be back with another update and apologize for this disruption. Thank you for your continued patience.



status.slack.com

Slack System Status

Resources for real-time and historical information about the Slack service.

7:19 PM · 30 Sep 2021

# And so on...

Сирена



Популярные комментарии на радаре

за последние 24 часа

Кристина Гусева · 30 сентября 2021  
на работе не работает

den · 30 сентября 2021  
на работе не работает

Алексей · 30 сентября 2021  
на работе не работает

Владимир · 30 сентября 2021  
на работе не работает

Татьяна · 30 сентября 2021  
на работе не работает

Последние комментарии

добавлен 30 сентября 2021  
на работе не работает

добавлен 30 сентября 2021  
на работе не работает

добавлен 30 сентября 2021  
на работе не работает

добавлен 30 сентября 2021  
на работе не работает

добавлен 30 сентября 2021  
на работе не работает

**! Массовый сбой произошел в работе интернета в России**

Пользователи жалуются на невозможность открыть сайты с доменом RU, следует из данных Downradar. Сбои, в частности, коснулись работы сервисов «Тинькофф банка», «Авито», «Яндекса», МТС. Жалобы поступают из разных регионов.

→ Инструкция «Сирены» на случай блокировки интернета в России — [здесь](#).

@news\_sirena

t.me/news\_sirena/23858

41.8K 👁 edited Jan 30 at 16:40

DMARC Record Generator

Create a valid DMARC record in a few clicks to use

Domain

Policy type @  
Reports send to  
Subdomain policy  
SPF identifier align  
DKIM identifier align  
Percentage apply  
Failure reporting  
Failure reporting

3. What email address

If adding multiple email addresses

Would you like to delivery insights?

Yes

Help

Show Advanced

DMARC Record Generator

Use DMARC Record Generator to create a DMARC record.

To learn how to implement SPF/DKIM/DMARC, check out this definitive, step-by-step guide:  
[How to Implement SPF/DKIM/DMARC to Prevent Email Spoofing/Phishing](#)

It's recommended to use the [SPF/DKIM/DMARC wizard](#), if you want to implement all of SPF, DKIM, and DMARC.

Policy

None

Aggregate Email

Enter aggregate email

Send aggregate reports to this system generated email address

Forensic Email

Enter forensic email

Send forensic reports to this system generated email address

Subdomain Policy

None

Strict SPF alignment

☐ Yes

☐ No

Strict DKIM alignment

☐ Yes

☐ No

Forensic options

☐ DKIM AND SPF don't pass or align

☐ DKIM or SPF don't pass or align

☐ DKIM doesn't pass or align

☐ SPF doesn't pass or align

Generate DMARC Record

# Records generators

# Records testing tools

dns:happydns.org

ZoneCheck

Lang: EN / FR / IT

For detailed information on how to fill this form see the [help](#) section.

Type

Domain

NS

ns0.happydomain.org

Type

Domain

NS

ns1.happydomain.org

Type

Domain

NS

ns2.happydomain.org

ZONEMASTER

powered by

STEFTECH

ofo

Run test

FAQ

happydomain.org

2024-02-01 15:50 GMT+01:00

History

Export

Share

Result

Primary

ns.happydomain.org

At least one failure

DNS Record

No Bad CNAME

At Least one A

All of the Local NS

Name Server

All 53

Info

Notice 1

Warning

Error 3

Critical 0

Filter text

SYSTEM

3

BASIC

3

ADDRESS

3

CONNECTIVITY

1

CONSISTENCY

3

DNSSEC

1

3

Check for valid RSA DNSKEY key size

## DMARC Record Generator

Create a valid DMARC record in a few clicks to use

Domain

example.com

Veuillez entrer votre nom de domaine :

example.com

Policy type

Reports send to

Subdomain policy

SPF identifier alignment

DKIM identifier alignment

Percentage applied

Failure reporting

Failure reporting

DMARC Record Generator

Use DMARC Record Generator to create a DMARC record.

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Enter aggregate email

Send aggregate reports to this system generated email address

Forensic Email

Enter forensic email

Send forensic reports to this system generated email address

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None

Strict SPF alignment

☐ Yes ☐ No

Strict DKIM alignment

☐ Yes ☐ No

Forensic options

☐ DKIM AND SPF don't pass or align

☐ DKIM or SPF don't pass or align

☐ DKIM doesn't pass or align

☐ SPF doesn't pass or align

3. What email address

If adding multiple email addresses

c3e8da36@forensic

Would you like to deliver insights?

Yes

Show Advanced

Generate DMARC Record

# Records generators

# Records testing tools

dns:happydns.org

For detailed information on how to fill this form see the [help](#) section.

ZoneMaster

Run test

FAQ

English

happydomain.org

2024-02-01 15:50 GMT+01:00

History Export Share

All 53 Info Notice 1 Warning 0 Error 0 Critical 0 Filter text

SYSTEM

BASIC

ADDRESS

CONNECTIVITY

CONSISTENCY

DNSSEC

Check for valid RSA DNSKEY key size

## DMARC Record Generator

Create a valid DMARC record in a few clicks to use

Domain

example.com

Veuillez entrer votre nom de domaine :

example.com

Policy type

Reports send to

Subdomain policy

SPF identifier align

DKIM identifier align

Percentage apply

Failure reporting

Failure reporting

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[How to Implement SPF/DKIM/DMARC to Prevent Email Spoofing/Phishing](#)

It's recommended to use the [SPF/DKIM/DMARC wizard](#), if you want to implement all of SPF, DKIM, and DMARC.

Policy

None

Aggregate Email

Enter aggregate email

Send aggregate reports to this system generated email address

Forensic Email

Enter forensic email

Send forensic reports to this system generated email address

Subdomain Policy

None

Strict SPF alignment

Yes No

Strict DKIM alignment

Yes No

Forensic options

☐ DKIM AND SPF don't pass or align

☐ DKIM or SPF don't pass or align

☐ DKIM doesn't pass or align

☐ SPF doesn't pass or align

Would you like to delivery insights?

Yes Help

Show Advanced

Generate DMARC Record

# Records generators

Domains

ft.com

7 days

CSC Corporate Domains, Inc.

youtube.com

85 days

MarkMonitor Inc.

netflix.com

363 days

MarkMonitor Inc.

github.com

687 days

MarkMonitor Inc.

google.co

2123 da

MarkMo

Dashboard Domains My Registrars Domains Watchlist Notifications Documentation

Domains

ADD DOMAIN IMPORT FROM REGISTRAR

Filter by registrars

Select registrar Search websites by alias or URL SEARCH

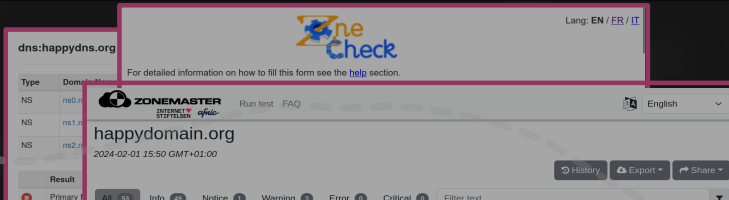
NAME	REGISTRAR	EXPIRATION DATE	STATUS
getmomenta.io	NameCheap, Inc.	16 December 2021	Online Last checked 8 days ago
overleaf.com	GoDaddy.com, LLC	25 February 2022	Online Last checked 8 minutes ago
laravel.com	NameCheap, Inc.	16 March 2023	Online Last checked 8 days ago
laravel.dev	NameCheap, Inc.	25 May 2022	Online Last checked 8 days ago
Talented CDS	Tucows Domains Inc.	11 June 2021	Online Last checked 8 days ago
usafathom.com	Tucows Domains Inc.	15 April 2022	Online Last checked 8 days ago
wasio.org	GoDaddy.com, LLC	8 December 2024	Online Last checked 8 minutes ago

# Monitoring services





# Records testing tools



happydomain.org.

Add a subdomain

happydomain.org.  
app.happydomain.org.  
auth.happydomain.org.  
blog.happydomain.org.  
get.happydomain.org.  
git.happydomain.org.  
gts.happydomain.org.  
help.happydomain.org.  
lists.happydomain.org.  
mta-sts.happydomain.org.  
registry.happydomain.org.  
try.happydomain.org.  
www.happydomain.org.  
ynh.happydomain.org.

Origin

internal

This is the root of your domain.

2 NS

E-Mail

email

Sends and receives e-mail with this domain.

nemunai.re. \*4 + SPF + DKIM

Server

server

A system to respond to specific requests.

82.64.151.4; 2a01:e0a:518:830::b + 0 S...

+ New service  
Click here to add a new service to this subdomain.

app.happydomain.org. → sekhmet5.ra.nemunai.re.  
+ Add service Edit target Drop alias

auth.happydomain.org. → sekhmet5.ra.nemunai.re.  
+ Add service Edit target Drop alias

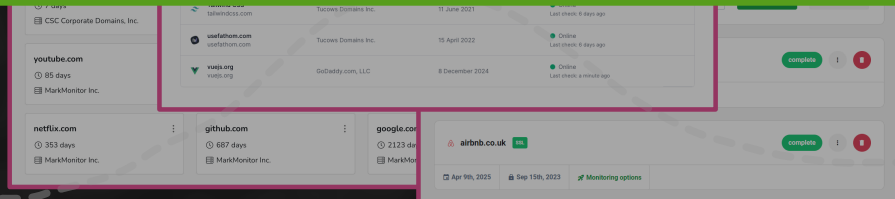
blog.happydomain.org. → ouaset.masr.nemunai.re.  
+ Add service Edit target Drop alias

get.happydomain.org. → get.happydns.org. + Add service

Publish my changes

3 deletions – 1 other change

# Records



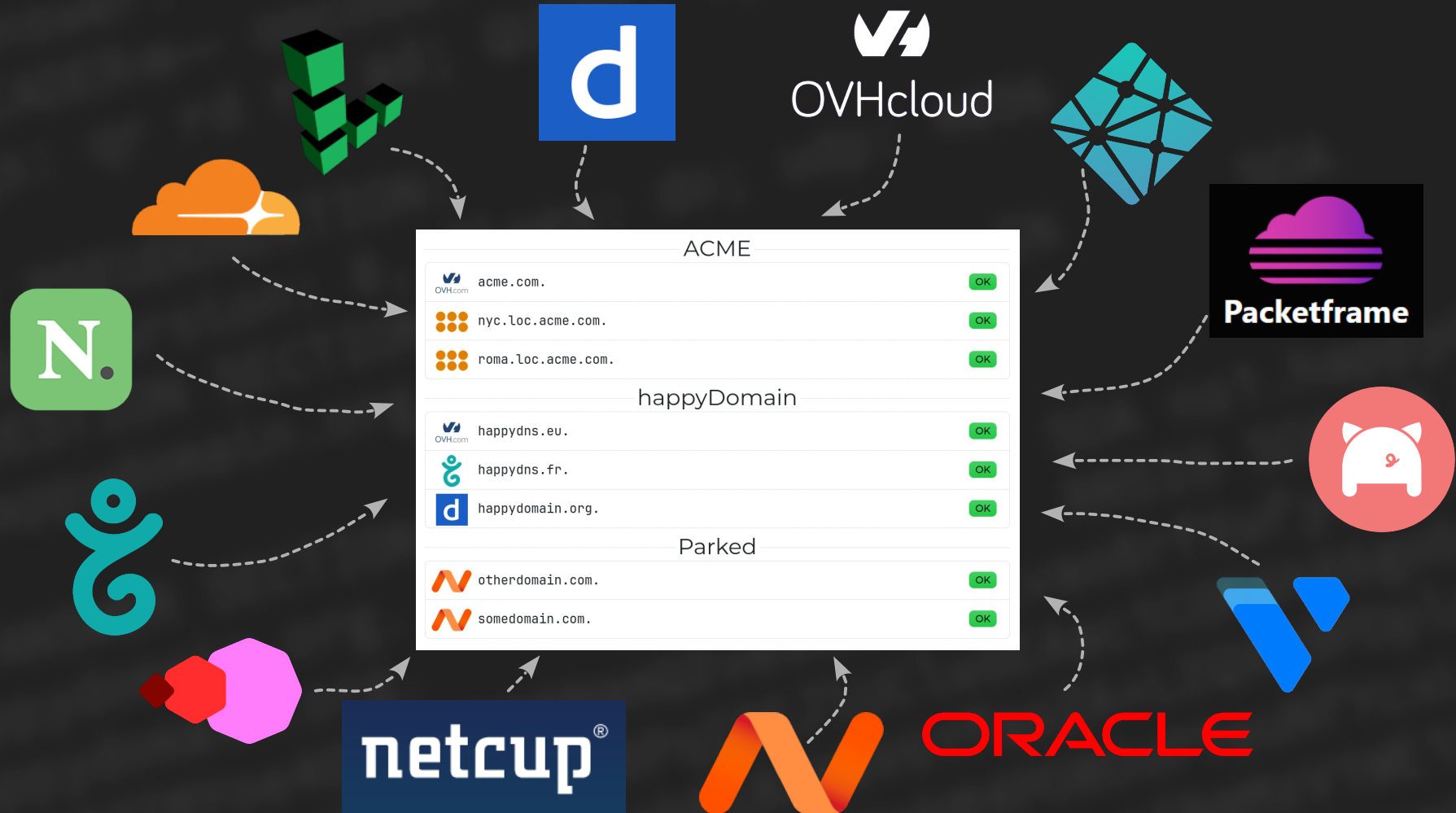
# Monitoring services



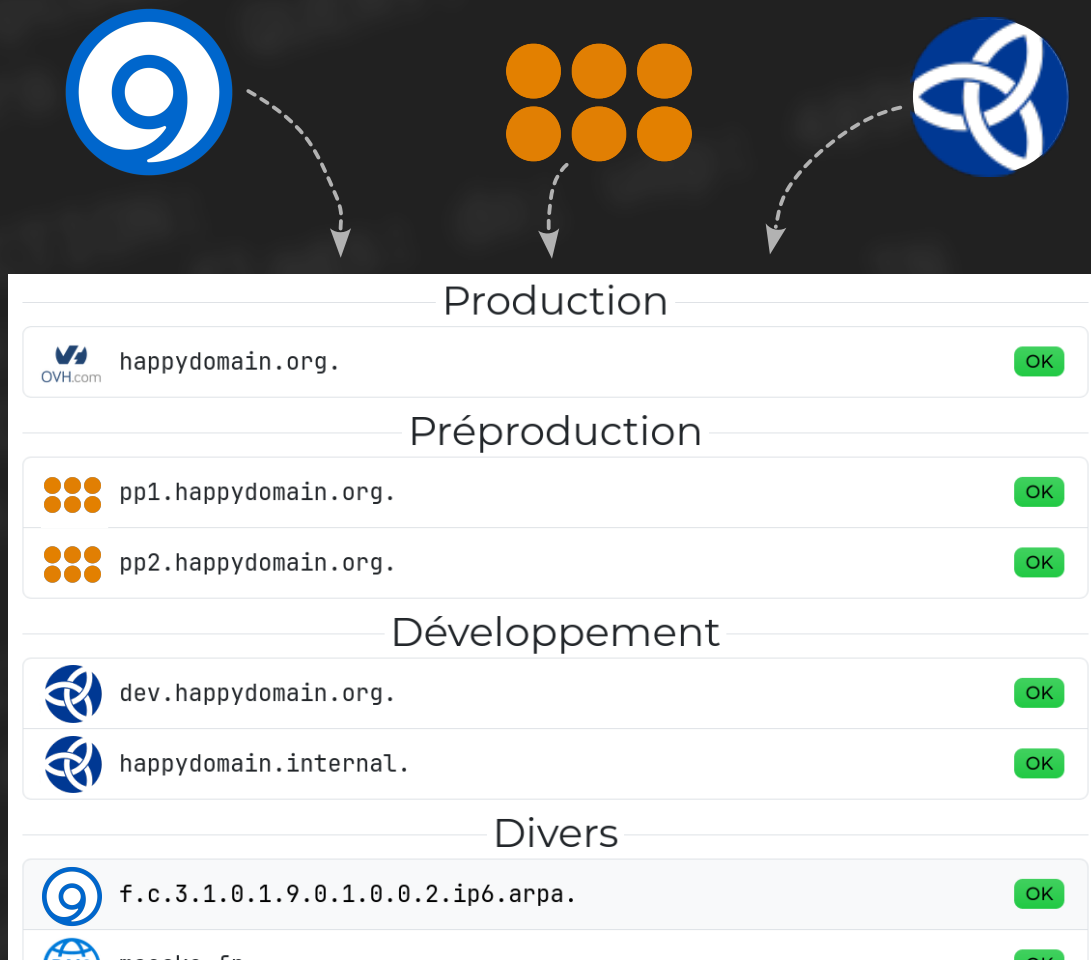
# Demonstration

---

# A unified interface



# Use local authoritative server



▼ 2001:910:13cf [Add an alias](#)

Origin

internal

*This is the root of your domain.*

ns0.nemuna

+ New service

*Click here to add a new service to this subdomain*

1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.f.f.f.f PTR mx.happydomain.org.

➔ 2001:910:13cf:ffff::1 → mx.happydomain.org.

+ Add service

[Edit target](#)

⊗ Drop pointer

➔ 2001:910:13cf:ffff::2 → app.happydomain.org.

+ Add service

[Edit target](#)

⊗ Drop pointer

➔ 2001:910:13cf:ffff::3 → auth.happydomain.org.

+ Add service

[Edit target](#)

⊗ Drop pointer

➔ 2001:910:13cf:ffff::4 → www.happydomain.org.

+ Add service

[Edit target](#)

⊗ Drop pointer

# Handle reverse zones

Review the modifications that will be applied to happydomain.org. ×

- ✓ DELETE CNAME git.happydomain.org git.happydns.org. ttl=3600
- ✓ CREATE CNAME foo.happydomain.org bar.happydomain.org. ttl=3600
- ✓ MODIFY A happydomain.org: (82.64.151.41 ttl=3600) → (82.64.151.42 ttl=3600)
- ✓ REFRESH zone happydomain.org

1 addition – 1 deletion – 1 modification – 1 other change

Cancel

Apply modifications

# Check your changes

happydomain.test.

Add a subdomain

happydomain.test.  
augustus.happydomain.test.  
blog.happydomain.test.  
get.happydomain.test.  
git.happydomain.test.  
help.happydomain.test.  
laboramus.happydomain.test.  
mta-sts.happydomain.test.  
www.happydomain.test.

Roll back to this version

Publiée le 24 novembre 2023 à  
16:36:47 UTC+1  
Everything

## History of changes to the zone happydomain.org.

Aug novembre 2023

30 novembre 2023 à 16:08:13

Dernière modification le  
30 novembre 2023  
16:08:13

Voir les changements

30 novembre 2023 à 16:05:30

Dernière modification le  
30 novembre 2023  
16:05:30

Voir les changements

- DELETE \_acme-challenge.happydomain.test TXT "test" ttl=3600  
+ CREATE \_matrix.\_tcp.happydomain.test SRV 10 10 8448 matrix.happydomain.test. ttl=3600

# Restore a zone easily

Import a zone

Import from text

Import from file

```
augustus.happydomain.test. 3600 IN A 151.80.119.83
augustus.happydomain.test. 3600 IN AAAA 2001:41d0:401:3200::192a
augustus.happydomain.test. 3600 IN SSHFP 11
7889C91B51FA818DEBAC678D48C274E705F68AD6
augustus.happydomain.test. 3600 IN SSHFP 12
EB8A16CF09346A6A85AEB98D53ABA4C93ABFF92159FD2E5A0836017E24F760C6
augustus.happydomain.test. 3600 IN SSHFP 41
5C5570B5153C217A2F2B9A5D0913D70B9DA65CB9
```

Cancel

Import a zone file

Import **RFC 1035** file



domains		
GET	/domains	Retrieve user's domains
POST	/domains	Manage a new domain
GET	/domains/{domainId}	Retrieve Domain local information.
PUT	/domains/{domainId}	Update Domain local information.
DELETE	/domains/{domainId}	Stop managing a Domain.
zones		
POST	/domains/{domainId}/diff_zones/{zoneId1}/{zoneId2}	Compute differences between zones.
POST	/domains/{domainId}/retrieve_zone	Retrieve the zone on the Provider.
PATCH	/domains/{domainId}/zone/{zoneId}	Add or update a Service.
POST	/domains/{domainId}/zone/{zoneId}/apply_changes	Performs requested changes to the real zone.

GALAXY

Français
 ? Connexion

Espaces de noms > happydns > happydomain

# happydomain

Version 0.3.2 mis à jour il y a 6 mois (der...

Dernière mise à jour il y a 6 mois

156 Downloads

[Site des docs](#)
[Site web](#)
[Suivi des problèmes](#)
[Référentiel](#)

[Installer](#)
[Documentation](#)
[Contenus](#)
[Journal des importations](#)

## Installer

Ansible collection to manage happyDomain

happydomain
 dns
 domains

Licence CECILL-2.1

Installation ansible-galaxy collection install happydns.hap ...

Automated by API / Ansible

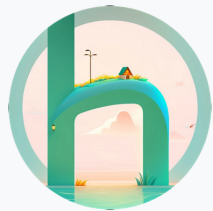
# Use happyDomain online or on your server

🔍 <https://happydomain.org/join>

```
docker run happydomain/happydomain
```

happyDomain Features Downloads Blog Who we are?

Sign up Sign in en ▼

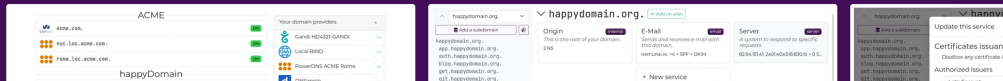


Finally a simple interface for domain names.

happyDomain is a modern open-source web application, that aims to simplify all your usages of domain names. Connecting a blog, a shop or doing advanced stuff is just a click away.

Try it online now »

Download now »



happydomain/happydomain Sponsored OSS ☆

Pulls 2.4K

By happydomain • Updated 3 hours ago

Finally a simple interface for domain names.

Image



Overview Tags

## happyDomain

Finally a simple, modern and open source interface for domain name.

It consists of a HTTP REST API written in Golang (primarily based on <https://stackexchange.github.io/dnscontrol/> and <https://github.com/miekg/dns>) with a nice web interface written with Svelte. It runs as a single stateless Linux binary, backed by a database (currently: LevelDB, more to come soon).

### Features:

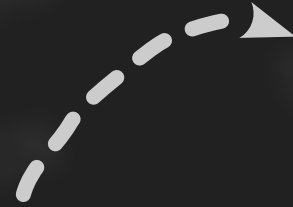
- An ultra fast web interface without compromise
- Multiple domains management
- Support for 36+ DNS providers (including dynamic DNS, RFC 2136) thanks to DNSControl

### Docker Pull Command

```
docker pull happydomain/happydomain
```

### Source Repository

[happyDomain/happydomain](https://github.com/happydomain/happydomain)










<https://feedback.happydomain.org/>

---

# What's Next?

## Domain's logs happydomain.org.

Utilisateur	Niveau	Action/description	Date
 hello@happ...	INFO	Zone published (O05lgE4sEndiSwSUKUeb5A), 1 corrections applied with success	30/11/2023 16:27:41
 nemunaire@...	INFO	Zone published (eMKouy8RXkDzmzZeubhyZA), 4 corrections applied with success	30/11/2023 16:24:39
 frederic@ha...	INFO	Zone published (HRa4wDvTnpK1PTVrCSO2Wg), 13 corrections applied with success	30/11/2023 16:08:13
 hello@happ...	INFO	Zone published (37_j7OMW-JiCXYdb5gNDXw), 2 corrections applied with success	30/11/2023 16:05:30
 frederic@ha...	INFO	Zone imported from Bind-style file: 37_j7OMW-JiCXYdb5gNDXw	30/11/2023 16:02:13
 hello@happ...	INFO	Zone imported from provider API: 5K_p0iDA0bamKD4s3gvN6g	30/11/2023 13:53:57
 hello@happ...	INFO	Domain name happydomain.org. added.	30/11/2023 13:53:43

# Edit a zone in collaboration

## < Tests Origin on happydomain.test.

SYSTEM ✓ 1

BASIC ✓ 4

ADDRESS ✓ 1 ⚠ 2

- info Toutes les adresses IP des serveurs de noms sont dans l'espace d'adresses publiques routables.
- warning Le serveur de noms ns0.happydomain.test. a une adresse IP (2a01:e0a:518:830::2) sans enregistrement "PTR" correspondant.
- warning Le serveur de noms ns1.happydomain.test. a une adresse IP (2a01:e0a:2b:2250::b) sans enregistrement "PTR" correspondant.

CONNECTIVITY ⚠ 5 ✓ 4

CONSISTENCY ✓ 6 ✗ 1

DNSSEC ✓ 38

# Ensure settings are corrects

## Origin

OK

*This is the root of your domain.*

2 NS

## E-Mail

OK

*Sends and receives e-mail with this domain.*

nemunai.re. ×4 + SPF + DKIM

## Server

Unreachable

*A system to respond to specific requests.*

82.64.151.41; 2a01:e0a:518:830::b

## Matrix IM

Federation not OK

*Communicate on Matrix using your domain.*

matrix (6886)

## + New service

*Click here to add a new service to this subdomain.*

# Prevent issues and monitor

## E-Mail

Propagation 3'21"

*Sends and receives e-mail with this domain.*

nemunai.re. x3 + SPF + DKIM + DM...

## Certificatio...

Propagation 57'31"

*Indicate to certificate authorities whether they are authorized to issue digital certificates for a particular domain name.*

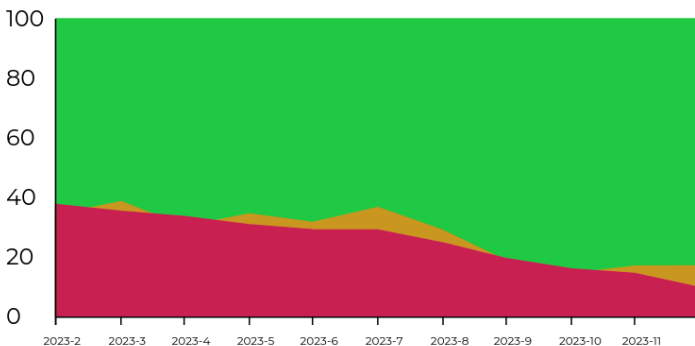
letsencrypt.org

# Propagation's aware



## DMARC reports for





happydomain.org.



### happydomain.org. last 7 days

Volume	23456
Compliance	80 %
Total reports	123
Sender count	31

## Last reports

Domain	Date	Actions N / Q / R	DKIM auth P / F	SPF auth P / N / F
 gmail.com	27/12/2023 12:34	136 / 0 / 0	136 / 0	136 / 0 / 0
 aol.com	27/12/2023 11:28	16 / 2 / 0	16 / 2	16 / 0 / 2
 yahoo.com	27/12/2023 12:34	0 / 0 / 9	0 / 9	0 / 0 / 9
 Outlook.com	27/12/2023 12:34	58 / 0 / 1	58 / 1	58 / 1 / 0

Dashboard for

- DMARC
- CAA
- TLS-RPT
- CSP

reports

Hi! The server on the domain  
`mx1.happydomain.test` moved to  
`203.0.113.18`. Can you changed it?

OK! I noted the change to the A record  
of `mx1.happydomain.test`. from  
`198.51.100.18` to `203.0.113.18`.  
Let me know if I should propagate this  
change.

You can apply this change.

Would you indicate a commit  
message to be noted in the history?

Make your domain name request here



# DNS assisted by AI



Vote on:

<https://feedback.happydomain.org/>

---

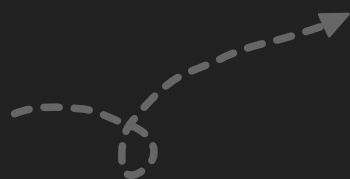
Should we pursue?

> DiG 9.10.1  
Global options: +cmd  
not answer:  
->HEADER<- opcode: QUERY, status:  
Flags: qr rd ra ad; QUERY: 1, ANSWER: 2, AUTH:  
OPT PSEUDOSECTION:  
EDNS: version: 0, flags: do; udp: 4096  
IN SOA  
QUESTION SECTION:  
;; happydomain.org.  
ANSWER SECTION:  
happydomain.org. 345600 IN  
happydomain.org. 345600 IN  
87IMYoe4GS/h0kG1NamQ2vevNKxg/LLvao8rfXwfyiR5Zc6tDn  
/5P8iZh0gWBPqISEJLUClwSEAc1CGF6hX6gobyCGXS  
NNohM4P000vP1euNfYcxLMqQT  
TBMmZV1WE1X4+QK  
Hexqk/G1

# happyDomain

The domain name interface

[www.happydomain.org](http://www.happydomain.org)



Frédéric Grither <[frederic@happydomain.org](mailto:frederic@happydomain.org)>

Pierre-Olivier <[pierre-olivier@happydomain.org](mailto:pierre-olivier@happydomain.org)>



[github.com/happyDomain](https://github.com/happyDomain)

[matrix] [#happyDNS:matrix.org](https://matrix.org/join/happyDNS:matrix.org)



[framagit.org/happyDomain](https://framagit.org/happyDomain)



[@happyDomain@floss.social](https://floss.social/@happyDomain)