



Comment rendre les mots **DNS**
et **simplicité** compatibles ?

Frédéric Grïther

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Silver Sponsors



Avec le soutien de



À qui s'adresse cette conférence aujourd'hui ?



Directeur informatique



Consultant



Administrateur système

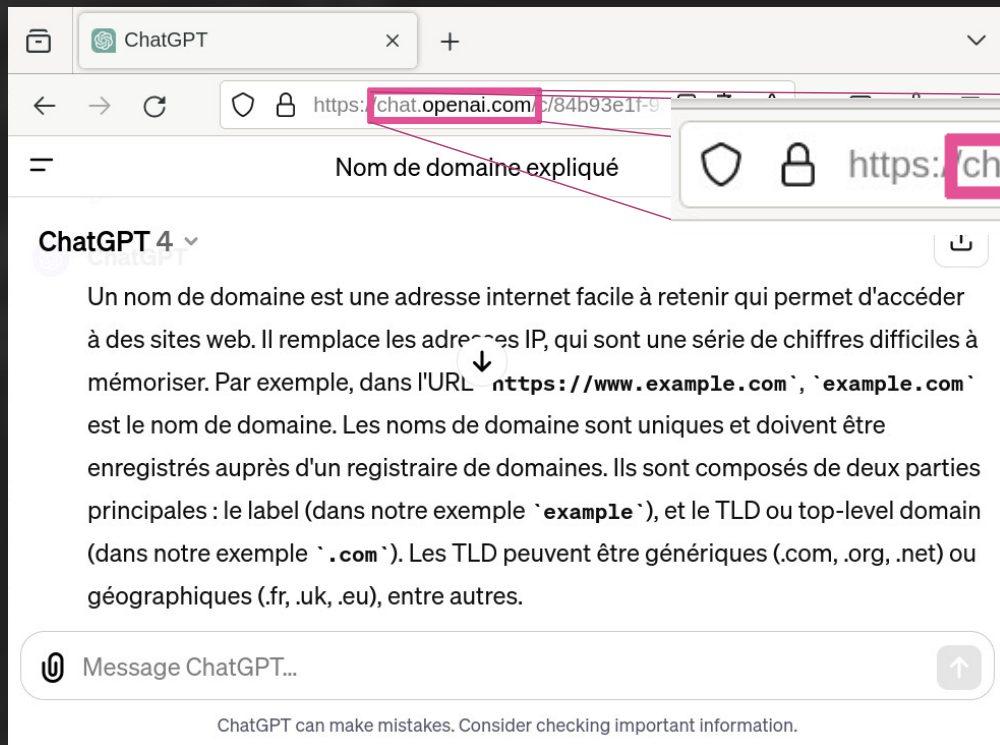


Frédéric Grither

- une intention
- une équipe
- un conférencier



Les noms de domaine à chaque instant



ChatGPT

https://chat.openai.com/84b93e1f-9...

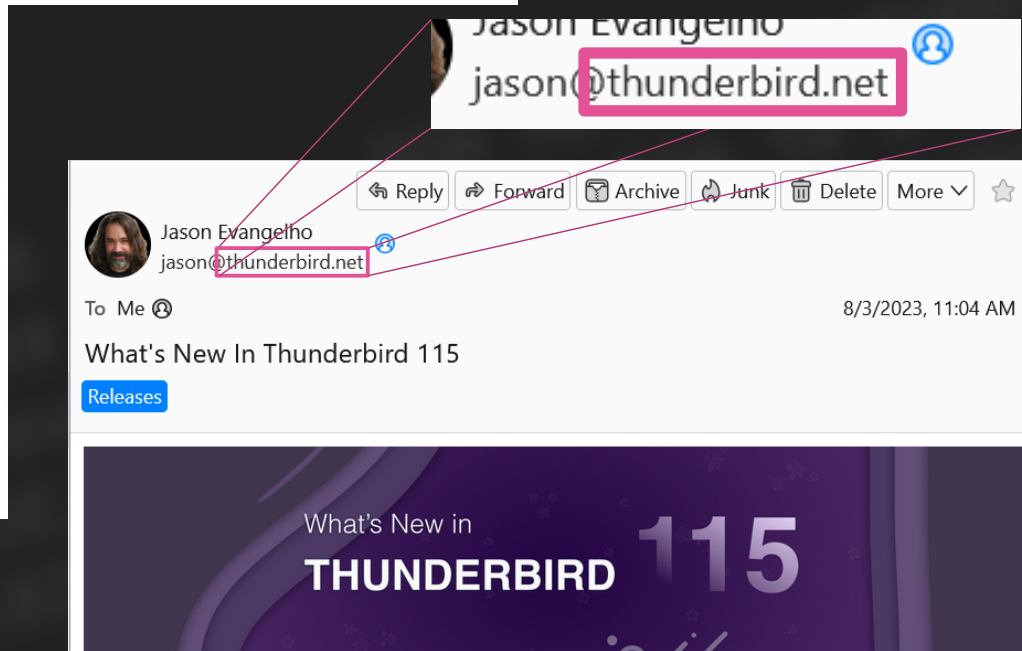
Nom de domaine expliqué

ChatGPT 4

Un nom de domaine est une adresse internet facile à retenir qui permet d'accéder à des sites web. Il remplace les adresses IP, qui sont une série de chiffres difficiles à mémoriser. Par exemple, dans l'URL `https://www.example.com`, `example.com` est le nom de domaine. Les noms de domaine sont uniques et doivent être enregistrés auprès d'un registraire de domaines. Ils sont composés de deux parties principales : le label (dans notre exemple `example`), et le TLD ou top-level domain (dans notre exemple `.com`). Les TLD peuvent être génériques (.com, .org, .net) ou géographiques (.fr, .uk, .eu), entre autres.

Message ChatGPT...

ChatGPT can make mistakes. Consider checking important information.



Jason Evangelho
jason@thunderbird.net

Reply Forward Archive Junk Delete More

To Me

8/3/2023, 11:04 AM

What's New In Thunderbird 115

Releases

What's New in
THUNDERBIRD 115

Les noms de domaine comprenne qui peut

Domain Name Service	
Informations	
Fonction	Résolution de nom de domaine en adresse IP
Sigle	DNS
Port	53
RFC	1983 : RFC 882 ¹ - RFC 883 ² 1987 : RFC 1034 ³ - RFC 1035 ⁴ 1994 : RFC 1591 ⁵ 2011 : RFC 6195 ⁶ 2013 : RFC 6895 ⁷ 2018 : RFC 8375 ⁸ - RFC 8467 ⁹ - RFC 8483 ¹⁰ - RFC 8484 ¹¹ 2019 : RFC 8495 ¹²
modifier	

Network Working Group
Request for Comments: 1035

P. Mockapetris
ISI
November 1987

Obsoletes: RFCs [882](#), [883](#), [973](#)

DOMAIN NAMES - IMPLEMENTATION AND SPECIFICATION

1. STATUS OF THIS MEMO

This RFC describes the details of the domain system and protocol, and assumes that the reader is familiar with the concepts discussed in a companion RFC, "Domain Names - Concepts and Facilities" [[RFC-1034](#)].

The domain system is a mixture of functions and data types which are an official protocol and functions and data types which are still experimental. Since the domain system is intentionally extensible, new data types and experimental behavior should always be expected in parts of the system beyond the official protocol. The official protocol parts include standard queries, responses and the Internet class RR data formats (e.g., host addresses). Since the previous RFC set, several definitions have changed, so some previous definitions are obsolete.

Experimental or obsolete features are clearly marked in these RFCs, and such information should be used with caution.

The reader is especially cautioned not to depend on the values which appear in examples to be current or complete, since their purpose is primarily pedagogical. Distribution of this memo is unlimited.

Datatracker

RFC 1035

Internet Standard

Info

Contents

Prefs

Document type

RFC Internet Standard

November 1987

View errata

Report errata

Updated by [RFC 1101](#), [RFC 1183](#), [RFC 1348](#), [RFC 1876](#), [RFC 1982](#), [RFC 1995](#),

[RFC 1996](#), [RFC 2065](#),
[2181](#), [RFC 2137](#), [RFC 2308](#),
[RFC 2845](#), [RFC 3425](#),
[RFC 4033](#), [RFC 4034](#), [RFC 4343](#),
[RFC 5936](#), [RFC 6604](#), [RFC 6733](#), [RFC 7766](#),
[RFC 8482](#), [RFC 8490](#),
Obsoletes [RFC 882](#), [RFC 883](#),
[RFC 973](#)

Also known as [STD 15](#)

















Select version

Updated by [RFC 1101](#), [RFC 1183](#), [RFC 1348](#), [RFC 1876](#), [RFC 1982](#), [RFC 1995](#),
[RFC 1996](#), [RFC 2065](#), [RFC 2136](#), [RFC 2181](#),
[RFC 2137](#), [RFC 2308](#), [RFC 2535](#), [RFC 2845](#),
[RFC 3425](#), [RFC 3658](#), [RFC 4033](#),
[RFC 4034](#), [RFC 4035](#), [RFC 4343](#),
[RFC 5936](#), [RFC 5966](#), [RFC 6604](#),
[RFC 2673](#), [RFC 8490](#), [RFC 7766](#),
[RFC 8482](#), [RFC 8767](#)

Les noms de domaine comprenne qui peut

dnsop :
5 RFC
en 2023

RFCs (68 hits)

RFC 9460 (was draft-ietf-dnsop-svcb-https)	47 pages	2023-11	Proposed Standard RFC	Warren "Ace" Kumari  Tim Wicinski 
Service Binding and Parameter Specification via the DNS (SVCB and HTTPS Resource Records)				
RFC 9471 (was draft-ietf-dnsop-glue-is-not-optional)	9 pages	2023-09	Proposed Standard RFC	Warren "Ace" Kumari  Suzanne Woolf 
DNS Glue Requirements in Referral Responses				
RFC 9476 (was draft-ietf-dnsop-alt-tld)	7 pages	2023-09	Proposed Standard RFC	Robert Wilton  Suzanne Woolf 
The .alt Special-Use Top-Level Domain				
RFC 9432 (was draft-ietf-dnsop-dns-catalog-zones)	16 pages	2023-07	Proposed Standard RFC	Warren "Ace" Kumari  Tim Wicinski 
DNS Catalog Zones				
RFC 9364 (was draft-ietf-dnsop-dnssec-bcp)	10 pages	2023-02	Best Current Practice RFC	Warren "Ace" Kumari  Tim Wicinski 
DNS Security Extensions (DNSSEC)				
RFC 9276 (was draft-ietf-dnsop-nsec3-guidance)	10 pages	2022-08	Best Current Practice RFC	Warren "Ace" Kumari  Tim Wicinski 
Guidance for NSEC3 Parameter Settings				
RFC 9210 (was draft-ietf-dnsop-dns-tcp-requirements)	29 pages	2022-03	Best Current Practice RFC	Warren "Ace" Kumari  Suzanne Woolf 
DNS Transport over TCP - Operational Requirements				
RFC 9157 (was draft-ietf-dnsop-dnssec-iana-cons)	5 pages	2021-12	Proposed Standard RFC	Warren "Ace" Kumari  Tim Wicinski 
Revised IANA Considerations for DNSSEC				

Les noms de domaine vus chez les hébergeurs

General information DNS zone DNS servers Redirection DynHost GLUE Recent tasks Emails and mailing lists

Here you can see the configuration of various domain name records.

You can also configure these records to connect your domain to your different services (button "Add an entry").

▼ All Looking for domain 🔍

Domain	TTL	Type	Target
<input type="checkbox"/> mydomain.ovh.	0	NS	dns19.ovh.net.
<input type="checkbox"/> mydomain.ovh.	0	NS	ns19.ovh.net.
<input type="checkbox"/> mydomain.ovh.	0	MX	10 mx1.mail.ovh.net.
<input type="checkbox"/> mydomain.ovh.	0	MX	1 mx0.mail.ovh.net.
<input type="checkbox"/> mydomain.ovh.			
<input type="checkbox"/> mydomain.ovh.			
<input type="checkbox"/> mydomain.ovh.			
<input type="checkbox"/> mydomain.ovh.			
<input type="checkbox"/> vps.mydomain.ovh.			
<input type="checkbox"/> mydomain.ovh.			

Table Mode Text Mode

Name	Type	TTL	Value
@	A	10800	212.83.155.118
@	MX	10800	10 spool.mail.gandi.net.
@	MX	10800	50 fb.mail.gandi.net.
@	TXT	10800	"v=spf1 include:_mailcust.gandi.net ?all"
webmail	CNAME	10800	webmail.gandi.net.

GoDaddy Domain Manager

Domains Buy & Sell DNS Settings Help

My Domains

DNS Management

simayyildizonline.com

Records

Last updated: 2024/05/09 09:49 AM

IONOS Domains & SSL

Search for Features, Domains, and Help

Use Your Domain

Details Subdomains Privacy & Contact Details Renewal & Transfer Name Server DNS

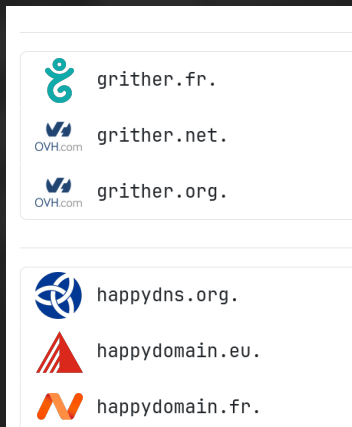
Host name, value, type ... 🔍

Add record Reset settings

Sort by Service

TYPE	HOST NAME	VALUE	SERVICE	ACTIONS
<input type="checkbox"/> CNAME	_domainconnect	_domainconnect.1and1.com	Domain Connect	⊕ -
<input type="checkbox"/> MX	@	mx00.ionos.com	Mail	⊕ -
<input type="checkbox"/> MX	@	mx01.ionos.com	Mail	⊕ -
<input type="checkbox"/> CNAME	autoDiscover	adredir.ionos.info	Mail	⊕ -
<input type="checkbox"/> A	@	74.208.236.241	Webhosting	⊕ -
<input type="checkbox"/> AAAA	@	2607:f1:d3:100f:8060:0:0:264	Webhosting	⊕ -
<input type="checkbox"/> A	www	74.208.236.241	Webhosting	⊕ -
<input type="checkbox"/> AAAA	www	2607:f1:d3:100f:8060:0:0:264	Webhosting	⊕ -

Les noms de domaine enfin simples



happyDomain

nemunaire@nemunai.re

happydomain.org.

Historique: 2023-08-07T13:11:35.476391269Z

Voir ma zone Diffuser mes changements

happydomain.org.

Ajouter un alias Ajouter un sous-domaine

E-Mail email

Send and receive e-mail with this domain.

nemunai.re. *4 + SPF + DKIM

Server server

A computer will respond to some requests.

82.64.151.41; 2a01:e0a:518:830::b + 0 S...

Orphan Record

A record not yet handled by happyDomain. Ask us to support it.

NS dns103.ovh.net.

Orphan Record

A record not yet handled by happyDomain. Ask us to support it.

NS ns103.ovh.net.

+ New service

Click here to add a new service to this subdomain.

blog.happydomain.org. → blog.happydns.org.

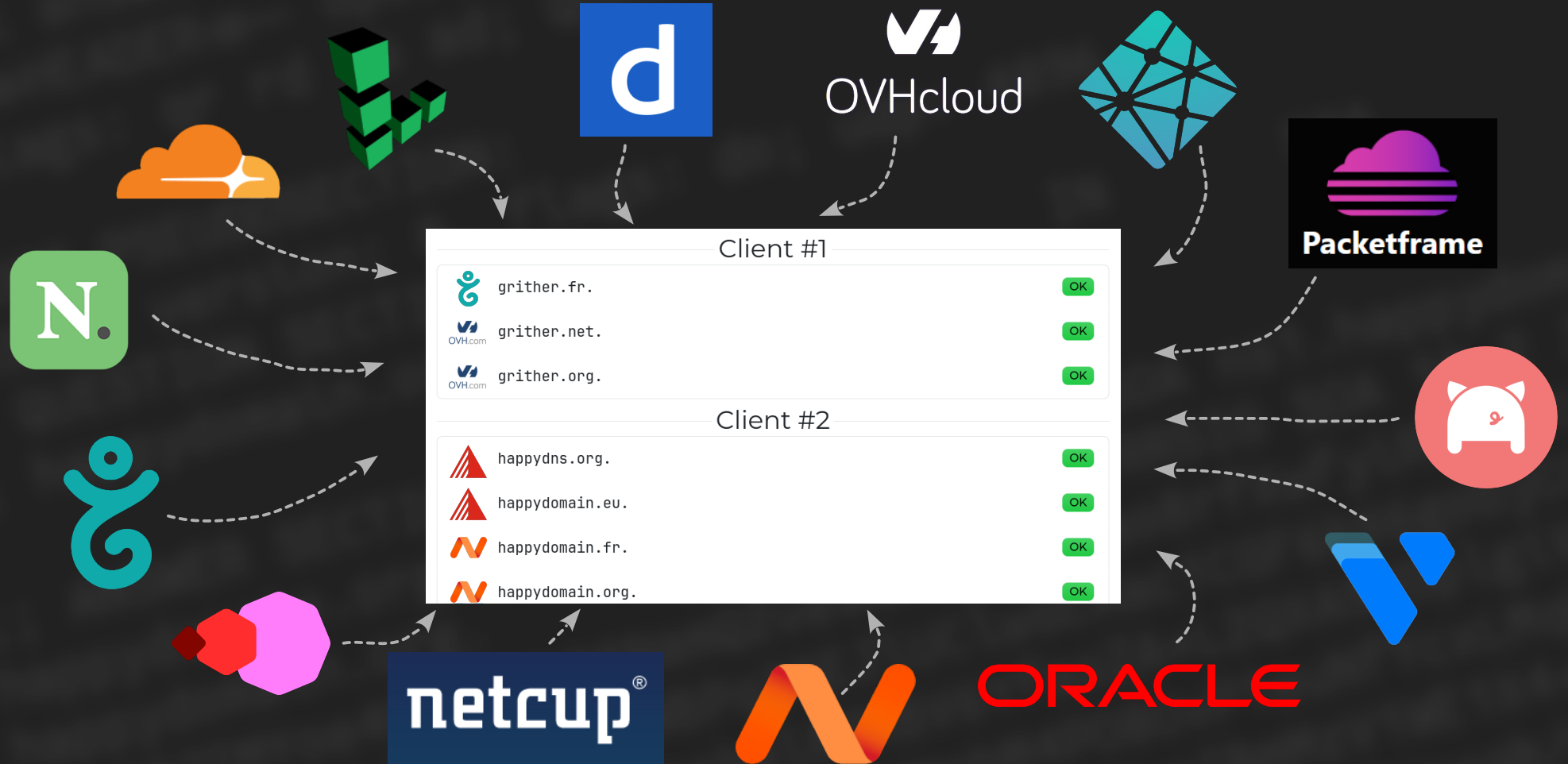
+ Ajout d'un service Éditer la destination Supprimer l'alias

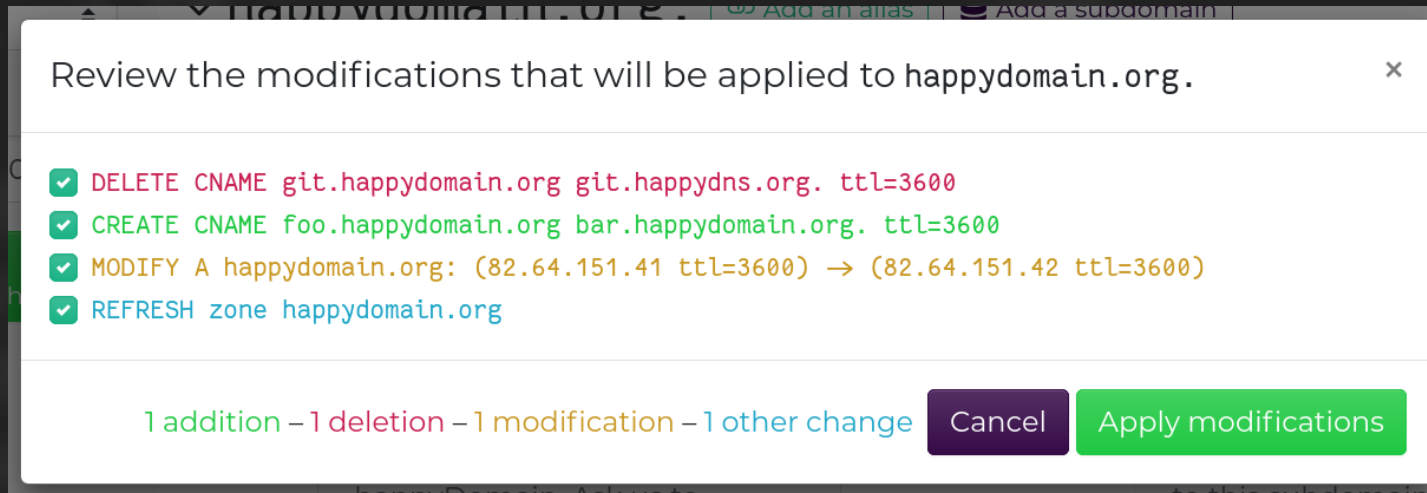
get.happydomain.org. → get.happydns.org.

+ Ajout d'un service Éditer la destination Supprimer l'alias

Démonstration

Une interface unifiée





Visualiser vos changements

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

Historique des changements la zone happydomain.test.

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

Restaurer une zone facilement

Importer une zone Bind

Import a zone

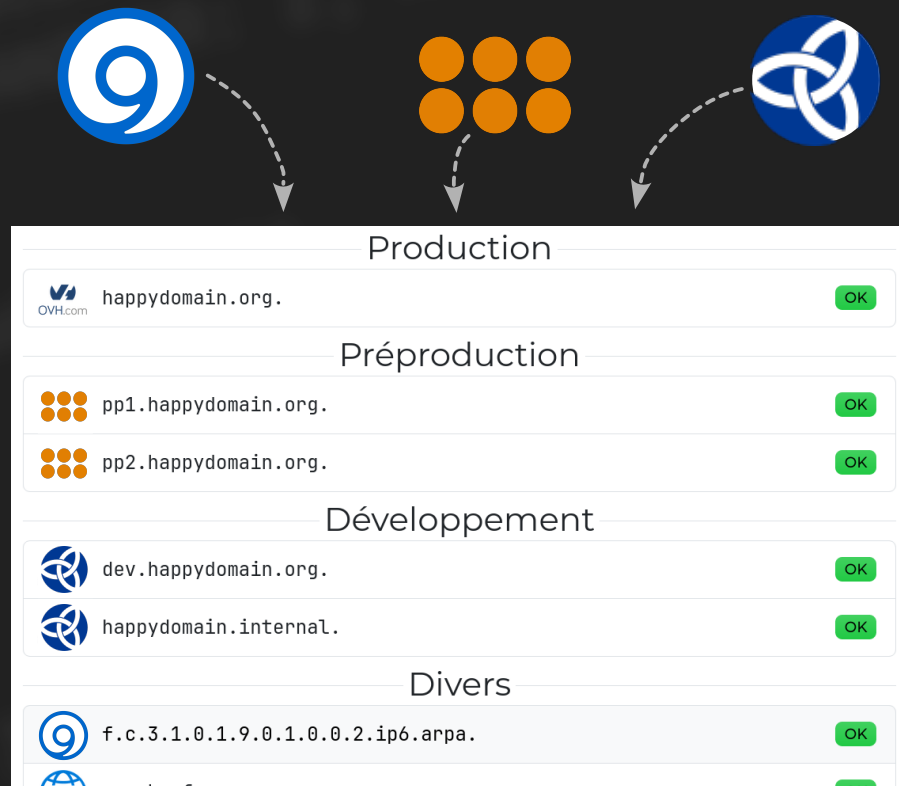
Import from text

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



Gérer une zone interne

Journal du domaine happydomain.org.

Utilisateur	Niveau	Action/description	Date
 hello@happ...	INFO	Zone published (O05IgE4sEndiSwSUkUeb5A), 1 corrections applied with success	30/11/2023 16:27:41
 hello@happ...	INFO	Zone published (eMKouy8RXkDzmzZeubhyZA), 4 corrections applied with success	30/11/2023 16:24:39
 hello@happ...	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
 hello@happ...	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

Journalisation des actions

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 ...

Automatisable par API / Ansible

Utilisez happyDomain en ligne ou sur votre serveur

🔍 <https://happydomain.org/join>

```
docker run happydomain/happydomain
```

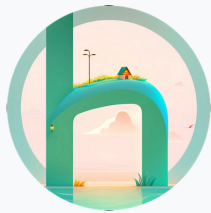
happyDomain

Fonctionnalités Téléchargements Qui sommes-nous ?

S'inscrire

S'identifier

fr ▼



L'interface des noms de domaines.

happyDomain est une application web libre, moderne, qui veut vous simplifier l'usage des noms de domaines. Connecter un blog, une boutique ou effectuer des opérations avancées devient vraiment facile.

Essayer en ligne maintenant »

Télécharger »



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:

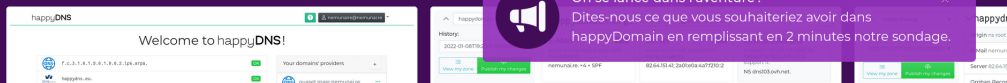
- An ultra fast web interface without compromise
- Multiple domains management
- Support for 36+ DNS providers (including dynamic DNS, RFC 2136) thanks to DNSControl

Docker Pull Command

```
docker pull happydomain/happydomain
```

Source Repository

 [Github](#)
[happyDomain/happydomain](#)

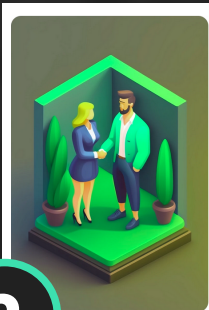


Testez happyDomain en ligne tout de suite



https://happydomain.org/join

1



Rejoignez notre sympathique service en moins de deux minutes !

Adresse électronique
jPostel@isi.edu

Nous utiliserons votre adresse pour vous identifier et pour vous contacter en cas d'événements liés à la sécurité.

Mot de passe
xxxxxxxx

Confirmation du mot de passe
xxxxxxxx

☐ Tenez-moi informé des f

[Je m'inscris !](#)

2

I already own a domain

Use happyDomain as a replacement interface to your usual domain name provider. It'll still rely on your provider's infrastructure, via our simple interface. As a first step, choose your provider:

- Namecheap – American domain name registrar.
- Name.com – American domain name registrar.
- Netcup – German registrar and hosting company
- Netlify – US remote-first cloud computing company.
- OVH – European hosting provider.

3

happyDomain

happydomain.org.

Historique:

2023-08-07T13:11:35.476391269Z

Voir ma zone

Diffuser mes changements

happydomain.org.

Ajouter un alias

Ajouter un sous-domaine

E-Mail

Send and receive e-mail with this domain.

nemunai.re. x4 + SPF + DKIM

Server

A computer will respond to some requests.

82.64.151.41; 2a01:e0a:518:830:b + 0 S...

Orphan Record

A record not yet handled by happyDomain. Ask us to support it.

NS dns103.ovh.net.

Orphan Record

A record not yet handled by happyDomain. Ask us to support it.

NS ns103.ovh.net.

+ New service

Click here to add a new service to this subdomain.

4

blog.happydomain.org. → blog.happydns.org.

+ Ajout d'un service

Éditer la destination

Supprimer l'alias

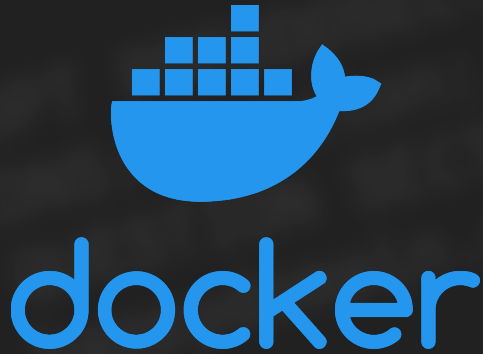
get.happydomain.org. → get.happydns.org.

+ Ajout d'un service

Éditer la destination

Supprimer l'alias

Testez happyDomain sur votre serveur



The screenshot shows the Docker Hub page for the repository `happydomain/happydomain`. The repository is marked as "Sponsored OSS" and has 2.4K pulls. The description states it is a simple interface for domain names. The "Overview" tab is selected, showing a description of the project as a modern, open-source interface for domain names, built with a HTTP REST API in Golang and a web interface in Svelte. It lists two features: an ultra-fast web interface and multiple domains management. On the right, the "Docker Pull Command" is shown as `docker pull happydomain/happydomain`, and the "Source Repository" is linked to the GitHub repository `happyDomain/happydomain`.

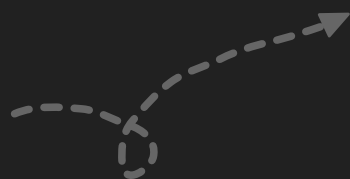
```
42sh$ docker run -p 8081:8081 happydomain/happydomain
```

> DiG 9.11.1
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

L'interface des noms de domaine

www.happydomain.ORG



Frédéric Grither <frederic@happydomain.org>



github.com/happyDomain

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



framagit.org/happyDomain



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