

DNS Management

OVH Setup (deprecated)

<https://www.ovh.com/manager/#/web/domain/pknw1.co.uk/information>

DNS Zone TXT

```
Domain
@
IN NS dns111.ovh.net.
IN NS ns111.ovh.net.
IN MX 30 mx0.mail.ovh.net.
IN MX 40 mx0.mail.ovh.net.
IN MX 10 mx1.improvmx.com.
IN MX 20 mx2.improvmx.com.
IN A 149.202.72.112
600 IN TXT v=spf1 include:mx.ovh.com include:spf.improvmx.com ~all
600 IN TXT 1|www.pknw1.co.uk
600 IN TXT MS=ms31479355
600 IN TXT forward-email=!alias
600 IN TXT abuseipdb-verification=CAo0nSQ1
* IN A 149.202.72.112
*.admin 120 IN CNAME admin.pknw1.co.uk.
*.engineering IN CNAME engineering.pknw1.co.uk.
*.uk IN CNAME uk.pknw1.co.uk.
_atproto IN TXT did=did:plc:5oochc34c7qvyrddw26mwbmd
admin IN A 100.100.69.2
auth IN TXT MS=ms58245970
blog 60 IN TXT 4|https://pknw1plex.wordpress.com/
eef19115._improvmx IN TXT eef1911513a940e5a13486087249bd22
email IN MX 10 mx01.mail.icloud.com.
email IN MX 20 mx02.mail.icloud.com.
```

email600INTXTv=spf1 include:icloud.com ~all

email600INTXTapple-domain=suqZvNHnvPHp7DJ6

engineeringINCNAMepknw1.co.uk.

featuresINTXTbm90ZmxpeF93ZWJlaT0xCm5vdGZsaXhfdnVlPTEK

gitlabINCNAM-www-content.gitlab.io.

idINTXT

ABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789

ks5INCNAM-ns3024499.ip-149-202-72.eu.

ovhmo2648680-selector1._domainkeyINCNAM-ovhmo2648680-selector1._domainkey.2799341.is.dkim.mail.ovh.net.

ovhmo2648680-selector2._domainkeyINCNAM-ovhmo2648680-selector2._domainkey.2799340.is.dkim.mail.ovh.net.

sig1._domainkey.emailINCNAM-sig1.dkim.email.pknw1.co.uk.at.icloudmailadmin.com.

subdomainINMX1redirect.ovh.net.

tempINMX1mx4.mail.ovh.net.

tempINMX10mx3.mail.ovh.net.

test.at.subdomain600INTXTpkswansea@outlook.com

ukIN A130.185.249.97

uptimeINCNAM-stats.uptimerobot.com.

vps.tailscaleIN A100.100.69.10

www-oldINTXTgoogle-site-verification=161vD0UG6W83MjVhkXJFSkLuUS5uTe4k00ada9BwiiI

DNS Zone Export Files

[pknw1.co.uk DNS Zone.tsv](#)

[pknw1.co.uk DNS Zone.csv](#)

As a default, all services under the domain pknw1.co.uk will be served from the primasry OVH server KS5.pknw1.co.uk - as such rather than using DNS to configure a name which points to a specifc location, all requests for any sub-domain of pknw1.co.uk can resolve to the same server

<div>* IN A 149.202.72.112</div>	catchall to redirect any uncaught lookup to the server
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<pre> *.admin.pknw1.co.uk IN CNAME admin.pknw1.co.uk admin.pknw1.co.uk IN A 100.100.69.2 </pre>	<p>as admin sites should be restricted, we setup DNS to point to our internal tailscale IP on the server anyone without VPN access will not be able to access</p>
<pre> *.pknw1.co.uk IN CNAME pknw1.co.uk pknw1.co.uk IN A 149.202.72.112 </pre>	<p>all normal traffic comes in to the server and at that point, the hostname is used to direct the request. to avoid host name spoofing of admin urls routing via the public IP address, we take the following precautions</p> <ol style="list-style-type: none"> 1. proxy-hosts listen on the public IP only accept host headers without 'admin' in 2. we verify the request source IP range to ensure it is across Tailscale

CloudFlare Tunnels + OVH DNS

While the original DNS records stay with OVH, we use Cloudflare Tunnels which require the use of Cloudflare's DNS Servers

Cloudflare Config :

<https://dash.cloudflare.com/526d50e9916746095990891c0108be7f/pknw1.co.uk>

Cloudflare routes the user via their service and then proxies the request to the backend

Cloudflare DNS Records (sample)

```

pknw1.co.uk 3600 IN SOA aaden.ns.cloudflare.com. dns.cloudflare.com. 2050237509 10000 2400
604800 3600

;; NS Records
pknw1.co.uk. 86400 IN NS aaden.ns.cloudflare.com.
pknw1.co.uk. 86400 IN NS kinsley.ns.cloudflare.com.

;; A Records
admin.pknw1.co.uk. 3600 IN A 100.100.69.2 ; cf_tags=cf-proxied:false
notflix.pknw1.co.uk. 300 IN A 149.202.72.112 ; cf_tags=cf-proxied:false
*.pknw1.co.uk. 1 IN A 149.202.72.112 ; cf_tags=cf-proxied:true

```

```
pknw1.co.uk. 1 IN A 149.202.72.112 ; cf_tags=cf-proxied:true
www.pknw1.co.uk. 1 IN A 87.98.255.50 ; cf_tags=cf-proxied:true

;; CNAME Records
*.admin.pknw1.co.uk. 1 IN CNAME admin.pknw1.co.uk. ; cf_tags=cf-proxied:false
gitlab.pknw1.co.uk. 1 IN CNAME www-content.gitlab.io. ; cf_tags=cf-proxied:false
ks5.pknw1.co.uk. 1 IN CNAME ns3024499.ip-149-202-72.eu. ; cf_tags=cf-proxied:false
uptime.pknw1.co.uk. 1 IN CNAME stats.uptimerobot.com. ; cf_tags=cf-proxied:false

;; MX Records
email.pknw1.co.uk. 3600 IN MX 20 mx02.mail.icloud.com.
email.pknw1.co.uk. 3600 IN MX 10 mx01.mail.icloud.com.
pknw1.co.uk. 3600 IN MX 40 mx0.mail.ovh.net.
pknw1.co.uk. 3600 IN MX 30 mx0.mail.ovh.net.
pknw1.co.uk. 3600 IN MX 10 mx1.improvmx.com.
pknw1.co.uk. 3600 IN MX 20 mx2.improvmx.com.
temp.pknw1.co.uk. 3600 IN MX 1 mx4.mail.ovh.net.
temp.pknw1.co.uk. 3600 IN MX 10 mx3.mail.ovh.net.

;; NS Records
pknw1.co.uk. 3600 IN NS ns111.ovh.net.
pknw1.co.uk. 3600 IN NS dns111.ovh.net.

;; TXT Records
auth.pknw1.co.uk. 3600 IN TXT "MS=ms58245970"
blog.pknw1.co.uk. 60 IN TXT "4|https://pknw1plex.wordpress.com/"
email.pknw1.co.uk. 600 IN TXT "v=spf1 include:icloud.com ~all"
email.pknw1.co.uk. 600 IN TXT "apple-domain=suqZvNHnvPHp7DJ6"
pknw1.co.uk. 600 IN TXT "MS=ms31479355"
pknw1.co.uk. 600 IN TXT "v=spf1 include:mx.ovh.com include:spf.improvmx.com ~all"
pknw1.co.uk. 600 IN TXT "1|www.pknw1.co.uk"
pknw1.co.uk. 600 IN TXT "abuseipdb-verification=CAo0nSQ1"
pknw1.co.uk. 600 IN TXT "forward-email=!alias"
```

Revision #2

Created 21 June 2025 23:55:34 by pknw1

Updated 23 June 2025 21:58:37 by pknw1