

# 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.
```



<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"> <li>1. proxy-hosts listenong on the public IP only accept host headers without 'admin' in</li> <li>2. we verify the request source IP range to ensure it is across Tailscale</li> </ol>

# CloudFlare Tiunnels + 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 2025-06-21 23:55:34 CEST by pknw1

Updated 2025-06-23 21:58:37 CEST by pknw1