My Domain name is registered with openproviders domain service. Provide instructions on how to add my domain name to this project

Based on your TETRIX project specifications and OpenProviders domain registration, here are the detailed instructions for adding your custom domain to both Vercel and Netlify deployments.

OpenProviders DNS Configuration Overview

OpenProviders is a wholesale domain registrar that provides DNS management through their control panel. You'll need to configure DNS records to point your domain to either Vercel or Netlify's servers.

For Vercel Deployment

Step 1: Add Domain in Vercel Dashboard

1. Log into your Vercel account and select your TETRIX project
2. Navigate to **Settings** → **Domains**
3. Click **Add Domain** and enter your domain name (e.g., `tetrix.com`)
4. If adding an apex domain, Vercel will prompt you to also add the `www` subdomain
5. Click **Add** to proceed

Step 2: Configure DNS Records in OpenProviders

Log into your OpenProviders control panel and navigate to your domain's DNS management section.

For Apex Domain (tetrix.com):

```
Type: A
Name: @ (or leave blank)
Value: 76.76.19.61
TTL: 3600
```

For WWW Subdomain (www.tetrix.com):

```
Type: CNAME
Name: www
Value: cname.vercel-dns.com
TTL: 3600
```

Step 3: Verify Configuration

- Return to Vercel dashboard → Settings → Domains
- Wait for DNS propagation (can take up to 48 hours)
- Vercel will automatically verify and issue SSL certificates

For Netlify Deployment

Step 1: Add Domain in Netlify Dashboard

1. Go to your Netlify site dashboard
2. Select **Domain management** from the left sidebar
3. Click **Add domain** → **Add a domain you already own**
4. Enter your domain name and click **Verify**
5. Confirm by clicking **Add domain**

Step 2: Configure DNS Records in OpenProviders

Access your OpenProviders DNS management panel.

For Apex Domain (tetrix.com):

```
Type: A
Name: @ (or leave blank)
Value: 75.2.60.5
TTL: 3600
```

For WWW Subdomain (www.tetrix.com):

```
Type: CNAME
Name: www
Value: your-site-name.netlify.app
TTL: 3600
```

Step 3: Verify Configuration

- In Netlify, go to Domain management
- Click **Awaiting External DNS** next to your domain for specific instructions
- DNS propagation may take 24-48 hours

OpenProviders-Specific Configuration Steps

Accessing DNS Management

1. Log into your OpenProviders control panel

2. Navigate to **Domains** → **My Domains**

3. Find your domain and click **Manage**

4. Select **DNS Management** or **Name Servers**

Adding DNS Records

1. Click **Add Record** or **Create New Record**

2. Select the record type (A or CNAME)

3. Enter the required values as specified above

4. Set TTL to 3600 seconds (1 hour)

5. Click **Save** or **Add Record**

Important OpenProviders Notes

- **Name Server Check**: Ensure your domain is using OpenProviders' name servers, not external ones

- **Record Priority**: Remove any conflicting A or CNAME records pointing to old hosting

- **Propagation Time**: OpenProviders typically propagates changes within 1-4 hours globally

CLI Alternative for Vercel

You can also add your domain using Vercel CLI:

```
# Install Vercel CLI if not already installed
npm install -g vercel

# Login to Vercel
vercel login

# Add domain to your project
vercel domains add yourdomain.com your-project-name

# Check domain status
vercel domains ls
```

Verification and Testing

DNS Propagation Check

Use these commands to verify DNS propagation:

```
# Check A record
dig yourdomain.com A

# Check CNAME record
dig www.yourdomain.com CNAME

# Check from different locations
nslookup yourdomain.com 8.8.8.8
```

SSL Certificate Verification

Both Vercel and Netlify automatically provision SSL certificates. Verify by:

- Visiting `https://yourdomain.com`
- Checking for the lock icon in your browser
- Using SSL checker tools online

Troubleshooting Common Issues

Domain Not Propagating

- Clear your DNS cache: `sudo dscacheutil -flushcache` (macOS) or `ipconfig /flushdns` (Windows)
- Wait longer - some regions take up to 48 hours
- Check if OpenProviders has any DNS propagation delays

SSL Certificate Issues

- Ensure both apex and www domains are added to your hosting platform
- Wait for automatic SSL provisioning (usually 10-15 minutes)
- Contact support if certificates don't generate after 24 hours

OpenProviders-Specific Issues

- Verify your domain isn't locked or in transfer status
- Check that DNS management is enabled for your domain
- Ensure you have proper permissions in your OpenProviders account

Final Configuration Checklist

- [ ] Domain added to Vercel/Netlify dashboard

- [ ] A record pointing to hosting provider's IP

- [ ] CNAME record for www subdomain configured

- [ ] Old DNS records removed or updated

- [ ] DNS propagation completed (24-48 hours)

- [ ] SSL certificate automatically provisioned

- [ ] Website accessible via both apex and www domains

- [ ] HTTPS redirect working properly

Your TETRIX website should be accessible via your custom domain once DNS propagation completes and SSL certificates are issued automatically by your chosen hosting platform.

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