



BLKOUT UK Comms App - Deployment Guide

Prerequisites

Before deploying, ensure you have:

1. A Supabase project with the schema deployed
2. Your Supabase URL and anon key
3. A GitHub account (for Vercel deployment)

Environment Variables

Create a `.env` file with the following variables:

```
VITE_SUPABASE_URL=https://your-project.supabase.co
VITE_SUPABASE_ANON_KEY=your-anon-key-here
```

Vercel Deployment (Recommended)

Step 1: Push to GitHub

```
# Initialize git (if not already done)
git init

# Add all files
git add .

# Commit
git commit -m "Initial commit: BLKOUT UK Content Calendar App"

# Add remote (replace with your repo URL)
git remote add origin https://github.com/BLKOUTUK/blkout-comms-app.git

# Push to GitHub
git push -u origin main
```

Step 2: Deploy on Vercel

1. **Go to Vercel** (<https://vercel.com>) and sign in with GitHub
2. **Click “Add New Project”**
3. **Import your GitHub repository**
4. **Configure the project:**
 - Framework Preset: Vite
 - Root Directory: ./
 - Build Command: `npm run build`
 - Output Directory: dist

5. Add Environment Variables:

- `VITE_SUPABASE_URL` : Your Supabase project URL
- `VITE_SUPABASE_ANON_KEY` : Your Supabase anon key

6. Deploy! Vercel will automatically build and deploy your app

Step 3: Custom Domain (Optional)

1. Go to your project settings on Vercel
2. Navigate to “Domains”
3. Add your custom domain
4. Follow the DNS configuration instructions

Alternative Deployment Options

Netlify

1. **Push to GitHub** (same as above)
2. **Go to Netlify** (<https://netlify.com>)
3. **Click “Add new site” → “Import from Git”**
4. **Select your repository**
5. **Configure:**
 - Build command: `npm run build`
 - Publish directory: `dist`
6. **Add environment variables** in Site Settings → Environment Variables
7. **Deploy!**

Cloudflare Pages

1. **Push to GitHub**
2. **Go to Cloudflare Pages** (<https://pages.cloudflare.com>)
3. **Create a new project**
4. **Connect your GitHub repository**
5. **Configure:**
 - Framework preset: Vite
 - Build command: `npm run build`
 - Build output directory: `/dist`
6. **Add environment variables**
7. **Deploy!**

Self-Hosted (VPS/Server)

```
# Build the app
npm run build

# Serve with your preferred server (e.g., nginx)
# Copy dist/ contents to your web root
cp -r dist/* /var/www/html/
```

Nginx Configuration Example

```
server {
    listen 80;
    server_name your-domain.com;
    root /var/www/html;
    index index.html;

    location / {
        try_files $uri $uri/ /index.html;
    }

    # Gzip compression
    gzip on;
    gzip_types text/plain text/css application/json application/javascript text/xml application/xml application/xml+rss text/javascript;
}
```

Post-Deployment Checklist

- [] Test the public Discover page (/discover)
- [] Test authentication (/login)
- [] Verify admin pages require authentication
- [] Test content calendar functionality
- [] Verify agent dashboard displays correctly
- [] Check analytics page
- [] Test on mobile devices
- [] Verify social media embeds work (Instagram, LinkedIn)

Supabase Configuration

Row Level Security (RLS)

Ensure RLS is enabled on all tables. The schema includes policies for:

- Public read access to published content
- Admin/editor access to draft content
- Role-based access control

User Roles

To set user roles in Supabase:

1. Go to Supabase Dashboard → Authentication → Users
2. Click on a user
3. Edit Raw User Meta Data:

```
json
{
    "role": "admin"
}
```

4. Save

Available roles:

- admin : Full access

- `editor` : Content creation and management
- `content_lead` : Content creation and management
- (no role): Read-only access to published content

Continuous Deployment

Both Vercel and Netlify support automatic deployments:

- Push to `main` branch → automatic deployment to production
- Create a pull request → automatic preview deployment

Monitoring and Analytics

Vercel Analytics

Enable Vercel Analytics in your project settings for:

- Real-time visitor metrics
- Page performance insights
- User engagement data

Error Tracking

Consider integrating error tracking:

- [Sentry](https://sentry.io) (<https://sentry.io>)
- [LogRocket](https://logrocket.com) (<https://logrocket.com>)
- [Rollbar](https://rollbar.com) (<https://rollbar.com>)

Performance Optimization

The app is pre-optimized with:

- Code splitting
- Lazy loading
- Optimized assets
- Gzip compression

Additional optimizations:

- Enable CDN (automatic with Vercel/Netlify)
- Configure caching headers
- Use image optimization services

Troubleshooting

Build Fails

Error: Missing environment variables

- Ensure `VITE_SUPABASE_URL` and `VITE_SUPABASE_ANON_KEY` are set

Error: TypeScript errors

- Run `npm run build` locally to check
- Ensure all dependencies are installed

Authentication Issues

Users can't log in

- Check Supabase authentication settings
- Verify RLS policies are correctly configured
- Ensure user roles are set in metadata

Content Not Loading

Empty content lists

- Check database has data
- Verify RLS policies allow access
- Check browser console for errors

Environment Variables Not Working

Vite requires `VITE_` prefix for environment variables to be exposed to the client.

 Wrong: `SUPABASE_URL`

 Correct: `VITE_SUPABASE_URL`

Security Notes

1. **Never commit `.env` to version control** (already in `.gitignore`)
2. **Use environment variables** for all sensitive data
3. **Keep Supabase keys secure** - never expose service role key in frontend
4. **Enable RLS** on all Supabase tables
5. **Regular security updates** - run `npm audit` regularly

Support

For deployment issues:

- Check the [Vercel Documentation](https://vercel.com/docs) (<https://vercel.com/docs>)
- Check the [Supabase Documentation](https://supabase.com/docs) (<https://supabase.com/docs>)
- Open an issue in the GitHub repository