

TFG Gaming Club - Deployment Checklist

Pre-Deployment Verification

Database Configuration

- [x] MySQL database created: tfggaming_site
- [x] Database user created: tfggaming_host
- [x] User has ALL PRIVILEGES on database
- [x] Connection string configured

Application Files Ready

- [x] Prisma schema updated for MySQL
- [x] Server.js created for cPanel
- [x] Environment variables documented
- [x] Production configuration prepared

Deployment Steps

Step 1: Upload Application Files

Option A: Via SSH (Recommended)

```
# From your local machine
cd /home/ubuntu/tfg_gaming_club/nextjs_space

# Compress excluding node_modules
tar -czf tfg_gaming_app.tar.gz \
--exclude='node_modules' \
--exclude='next' \
--exclude='git' \
--exclude='*.log' \
.

# Upload to cPanel (replace with your details)
scp tfg_gaming_app.tar.gz username@TFG-Gaming.co.uk:~

# SSH into cPanel
ssh username@TFG-Gaming.co.uk

# Extract in your web directory
cd ~/public_html # or your app directory
tar -xzf ~/tfg_gaming_app.tar.gz
```

Option B: Via cPanel File Manager

1. Compress the application folder locally
2. Upload via File Manager
3. Extract in public_html or app directory

Step 2: Create .env File on Server

Via SSH:

```
cd ~/public_html # or your app directory

# Create .env file
cat > .env << 'EOF'
DATABASE_URL="mysql://tfggaming_host:y51a)+-SSaKIq8(k@localhost:3306/tfgaming_site"
NEXTAUTH_SECRET="37lATkcdTM8AryISyw3xdQ20AE220xpB"
NEXTAUTH_URL="https://TFG-Gaming.co.uk"
DISCORD_CLIENT_ID="1448691094153068747"
DISCORD_CLIENT_SECRET="2wJ0YPGtjqYdIHn0gdWS-3PM-0bMji_v"
DISCORD_WEBHOOK_URL="https://discord.com/api/webhooks/1448280601596530749/Wi0F7w89TMd-
wy4xKHATuInUiTlJ1XE_Z_JK-RKbCEocPsli9bx-C8D_jY2t_SyrciPLN"
NODE_ENV="production"
EOF

# Secure the file
chmod 600 .env
```

Via cPanel File Manager:

1. Navigate to your app directory
2. Click “+ File” to create new file
3. Name it `.env`
4. Edit and paste content from `PRODUCTION_CONFIG.txt`
5. Save

Step 3: Install Dependencies

```
cd ~/public_html # or your app directory

# Install Node.js dependencies
yarn install

# This may take 5-10 minutes
# Wait for completion before proceeding
```

Step 4: Set Up Database

```
# Generate Prisma Client for MySQL
yarn prisma generate

# Push schema to create tables
yarn prisma db push

# Seed initial data (games, settings, admin user)
yarn prisma db seed
```

Expected Output:

- ✓ Database tables created

- ✓ Default games added (Warhammer 40k, Necromunda, Bolt Action)
 - ✓ Admin user created
 - ✓ Settings initialized (15 tables)
-

Step 5: Build Application

```
# Build for production
yarn build

# This creates optimized .next folder
# Wait for "Compiled successfully" message
```

Step 6: Configure Node.js App in cPanel

1. Log into cPanel
 2. Find **Setup Node.js App** (under Software section)
 3. Click **Create Application**
 4. Configure:
 - **Node.js Version:** 18.x or higher (select latest available)
 - **Application Mode:** Production
 - **Application Root:** Path to your app (e.g., `public_html`)
 - **Application URL:** `TFG-Gaming.co.uk` or your subdomain
 - **Application Startup File:** `server.js`
 - **Environment Variables:** (These should be in `.env` file, but you can add here too)
 5. Click **Create**
-

Step 7: Start Application

1. In Node.js App Manager, find your application
 2. Click **Start App or Restart App**
 3. Wait for status to show “Running”
 4. Note the assigned port (usually shown in interface)
-

Step 8: Configure Apache/Passenger (If Needed)

cPanel usually auto-configures this, but verify:

Check .htaccess in your app root:

```
RewriteEngine On
RewriteRule ^$ http://127.0.0.1:3000/ [P,L]
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule ^(.*)$ http://127.0.0.1:3000/$1 [P,L]
```

(Replace 3000 with actual port if different)

Step 9: Set Up Admin User

Option A: Use Default Seeded Admin

- Email: john@doe.com
- Password: johndoe123
- Log in and change password immediately

Option B: Make Your Own User Admin

1. Register a new account via website
2. SSH into server:

```
cd ~/public_html

# Edit the script to match your username
nano scripts/set-sneakyvale-admin.ts
# Change "Sneakyvale" to your Discord username

# Run the script
yarn tsx --require dotenv/config scripts/set-sneakyvale-admin.ts
```

Step 10: Configure Cron Jobs (Optional)

For Monday booking summary notifications:

1. In cPanel, go to **Cron Jobs**
2. Click **Advanced (Unix Style)**

3. Add new cron job:

- **Minute:** 0
- **Hour:** 17
- **Day:** *
- **Month:** *
- **Weekday:** 1 (Monday)
- **Command:**

`bash`

```
cd /home/username/public_html && /usr/bin/node /usr/local/bin/yarn tsx --require
dotenv/config scripts/scheduled/monday-booking-summary.ts
```

(Adjust paths to match your setup)

Step 11: Test Your Deployment

Basic Tests:

- [] Visit <https://TFG-Gaming.co.uk> - Homepage loads
- [] Register a new account
- [] Log in successfully
- [] View bookings page

- [] Create a test booking
- [] Check Discord for notification
- [] Access admin panel (if admin)

Admin Tests:

- [] Manage users
 - [] Add/remove games
 - [] View payment logs
 - [] Update settings
 - [] View statistics
-

Troubleshooting

Application Won't Start

Check Node.js Version:

```
node --version
# Should be 18.x or higher
```

Check Application Logs:

- In cPanel Node.js App Manager
- Look for error messages

Common Issues:

- Port already in use → Change in server.js
- Module not found → Run `yarn install` again
- Database connection failed → Check .env credentials

Database Connection Errors

Test MySQL Connection:

```
mysql -h localhost -u tfggaming_host -p tfggaming_site
# Enter password: y51a)+-SSaKIq8(k
```

Common Issues:

- Wrong password → Double-check .env file
- User lacks privileges → Grant ALL PRIVILEGES in cPanel
- Database doesn't exist → Verify database name in cPanel

Static Files Not Loading

Check File Permissions:

```
chmod -R 755 .next public
```

Ensure .next Folder Exists:

```
ls -la .next/
# Should see build artifacts
```

SSL/HTTPS Issues

Install SSL Certificate:

1. In cPanel, go to **SSL/TLS**
2. Use **AutoSSL** or **Let's Encrypt**
3. Enable for your domain

Force HTTPS:

Add to .htaccess:

```
RewriteEngine On
RewriteCond %{HTTPS} off
RewriteRule ^(.*)$ https:// %{HTTP_HOST}%{REQUEST_URI} [L,R=301]
```

Post-Deployment

Security

- [] Change default admin password
- [] Secure .env file (chmod 600)
- [] Enable HTTPS/SSL
- [] Configure firewall rules
- [] Set up regular backups

Monitoring

- [] Set up uptime monitoring (e.g., UptimeRobot)
- [] Check application logs regularly
- [] Monitor database size
- [] Track error rates

Maintenance

- [] Schedule regular backups
- [] Plan for updates
- [] Document custom configurations
- [] Keep dependencies updated

Support Resources

- **cPanel Documentation:** Your hosting provider's knowledge base
- **Next.js Docs:** <https://nextjs.org/docs>
- **Prisma Docs:** <https://www.prisma.io/docs>
- **Node.js on cPanel:** Contact your hosting support

Emergency Contacts

- **Hosting Support:** Contact your cPanel hosting provider
 - **Application Issues:** Check CPANEL_DEPLOYMENT.md
 - **Database Issues:** Check DATA_MIGRATION_GUIDE.md
-

Deployment Date: __

Deployed By: __

Notes: __

 **Deployment Complete!**

Your TFG Gaming Club application should now be live at:

<https://TFG-Gaming.co.uk>

 Happy Gaming!