

# TFG Gaming Club - Deployment Checklist

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## Pre-Deployment Verification

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### ✓ 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
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## Deployment Steps

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### 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
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## 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/tfggaming_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-RKbCEocPsl9bx-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
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## 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
```

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## 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)
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## Step 5: Build Application

```
# Build for production
yarn build

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

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## 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**
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## 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)
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## 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)

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## 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
```

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## 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)

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## 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

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## Troubleshooting

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### 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

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## Emergency Contacts

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- **Hosting Support:** Contact your cPanel hosting provider
  - **Application Issues:** Check CPANEL\_DEPLOYMENT.md
  - **Database Issues:** Check DATA\_MIGRATION\_GUIDE.md
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**Deployment Date:** \_\_

**Deployed By:** \_\_

**Notes:** \_\_

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### **Deployment Complete!**

Your TFG Gaming Club application should now be live at:  
<https://TFG-Gaming.co.uk>

 Happy Gaming!