# 🚀 Digital Twin SOC Dashboard - Dual Platform Deployment

## 📋 **Deployment Checklist**

### **Files Ready for Deployment:**

* ✅ Digital-Twin-SOC-Showcase.html - Main dashboard
* ✅ digital\_twin\_simulator.py - Python backend (optional)
* ✅ README-SHOWCASE.md - Usage guide
* ✅ SHOWCASE-SUMMARY.md - Overview
* ✅ DEPLOYMENT-GUIDE.md - This guide

## 🌐 **GitHub Pages Deployment**

### **Step 1: Create Repository**

# Create new repository on GitHub  
# Name: digital-twin-soc-dashboard  
# Description: Interactive Digital Twin AI Driven SOC Showcase  
# Public repository (required for free GitHub Pages)

### **Step 2: Upload Files**

# Upload these files to your repository:  
- Digital-Twin-SOC-Showcase.html  
- README-SHOWCASE.md  
- SHOWCASE-SUMMARY.md  
- DEPLOYMENT-GUIDE.md

### **Step 3: Enable GitHub Pages**

1. Go to **Settings** → **Pages**
2. **Source**: Deploy from a branch
3. **Branch**: main (or master)
4. **Folder**: / (root)
5. **Save**

### **Step 4: Access Your Dashboard**

* **URL**: https://yourusername.github.io/digital-twin-soc-dashboard/Digital-Twin-SOC-Showcase.html
* **Custom Domain**: Add in Pages settings (optional)

## ⚡ **Vercel Deployment**

### **Step 1: Connect Repository**

1. Go to [vercel.com](https://vercel.com)
2. **Import Project** → **Import Git Repository**
3. Select your GitHub repository
4. **Deploy**

### **Step 2: Configure Settings**

* **Framework Preset**: Other
* **Build Command**: (leave empty)
* **Output Directory**: (leave empty)
* **Install Command**: (leave empty)

### **Step 3: Access Your Dashboard**

* **URL**: https://digital-twin-soc-dashboard.vercel.app
* **Custom Domain**: Add in Vercel dashboard

## 🎯 **Team Access URLs**

### **Primary Access (Choose One):**

* **GitHub Pages**: https://yourusername.github.io/digital-twin-soc-dashboard/Digital-Twin-SOC-Showcase.html
* **Vercel**: https://digital-twin-soc-dashboard.vercel.app

### **Backup Access:**

* Use the other platform as backup
* Both platforms will have the same content

## 📱 **Team Instructions**

### **Dashboard Access:**

1. **Open the dashboard URL**
2. **Wait for page to load** (may take 10-15 seconds)
3. **Switch to Manual Mode** (👆 Manual button)
4. **Follow the demo steps** (1-8)

### **Demo Features:**

* **Interactive Network**: Click nodes for details
* **AI Agents**: Switch between ADA/TAA/CRA
* **Attack Simulation**: Click “⚡ Trigger Attack”
* **Response Actions**: Click “🛡️ Show Response”
* **Reset**: Click “🔄 Reset” to start over

### **Mobile Access:**

* **Works on phones and tablets**
* **Touch-friendly interface**
* **Responsive design**

## 🔧 **Platform Comparison**

| Feature | GitHub Pages | Vercel |
| --- | --- | --- |
| **Speed** | Good | Excellent |
| **Custom Domain** | ✅ | ✅ |
| **SSL Certificate** | ✅ | ✅ |
| **Version Control** | ✅ | ✅ |
| **Auto-Deploy** | ✅ | ✅ |
| **Build Process** | Simple | Advanced |
| **Analytics** | Basic | Advanced |

## 🎪 **Demo Scenarios**

### **Executive Presentation:**

1. **Use Manual Mode**
2. **Follow step-by-step flow**
3. **Highlight AI reasoning**
4. **Show automated responses**

### **Team Training:**

1. **Let team explore freely**
2. **Use Auto Mode** for continuous simulation
3. **Click on different agents**
4. **Interact with network nodes**

### **Client Demo:**

1. **Start with explanation**
2. **Show network topology**
3. **Demonstrate attack detection**
4. **Highlight response automation**

## 🔒 **Security Notes**

### **Public Access:**

* **Dashboard is read-only**
* **No sensitive data exposed**
* **Simulation only**
* **Safe for public access**

### **Team Benefits:**

* **24/7 availability**
* **No installation required**
* **Works on all devices**
* **Professional presentation**

## 🚀 **Quick Commands**

### **GitHub Pages:**

git init  
git add Digital-Twin-SOC-Showcase.html README-SHOWCASE.md  
git commit -m "Add Digital Twin SOC Dashboard"  
git remote add origin https://github.com/yourusername/digital-twin-soc-dashboard.git  
git push -u origin main

### **Vercel CLI:**

npm i -g vercel  
vercel --prod

## 📞 **Support**

### **Common Issues:**

* **Page not loading**: Check URL spelling
* **Mobile issues**: Use Chrome/Safari
* **Demo not working**: Refresh page
* **Slow loading**: Wait 10-15 seconds

### **Team Training:**

* **Use Manual Mode** for guided demos
* **Start with Step 1** (Welcome)
* **Progress through steps** systematically
* **Let team explore** after demo

**🎉 Your Digital Twin SOC Dashboard is ready for both platforms!**

**Choose your primary platform and share the URL with your team.**