


VCTT-AGI UI - Deployment Guide

Version: 2.0.0-phase2

Status: Ready for Production 



Quick Deploy to Vercel

Option 1: Via Vercel Dashboard

1. Go to <https://vercel.com/dashboard>
2. Click "Add New" → "Project"
3. Import your Git repository
4. Configure:
 - **Framework Preset:** Vite
 - **Build Command:** `yarn build`
 - **Output Directory:** `dist`
 - **Install Command:** `yarn install`
5. Add Environment Variable:
`VITE_API_URL=https://your-backend-url.com`
6. Click "Deploy"

Option 2: Via Vercel CLI

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

# Login
vercel login

# Deploy
cd /home/ubuntu/vctt_agi_ui
vercel --prod
```



Environment Variables

Required

```
VITE_API_URL=https://your-backend-url.com
```

Important:

- Use your actual backend URL after backend deployment
 - Do NOT include trailing slash
 - Example: `https://vctt-agi-backend.onrender.com`
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Build Process

```
# Install dependencies
yarn install

# Build for production
yarn build

# Preview build locally
yarn preview
```

Output: Static files in `dist/` directory

Post-Deployment Checks

1. Verify UI Loads

- Open production URL
- Should see VCTT-AGI interface
- Left sidebar should show “New Chat” and “Analytics” buttons

2. Test Backend Connection

- Click “New Chat”
- Send a message
- Verify response appears
- Check trust indicator shows in header

3. Test Analytics

- Click “Analytics” button (blue)
- Dashboard should load
- Should show:
 - Total sessions
 - Trust metrics charts
 - Regulation distribution

4. Test Session History

- Previous sessions should appear in left sidebar
 - Each session should show:
 - Preview text
 - Timestamp (e.g., “2h ago”)
 - Message count
 - Trust score badge (color-coded)
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Troubleshooting

Issue: “Failed to connect to backend”

Cause: Backend URL not configured or incorrect

Solution:

1. Check `VITE_API_URL` environment variable
 2. Verify backend is deployed and accessible
 3. Test backend directly: `curl https://your-backend-url.com/health`
 4. Redeploy UI with correct URL
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Issue: Analytics dashboard is empty

Cause: No sessions in database yet

Solution:

1. Create a few test sessions first
 2. Refresh analytics dashboard
 3. Verify backend has data: `curl https://your-backend-url.com/analytics/sessions`
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Issue: Trust indicator not showing

Cause: Backend not returning `trust_tau`

Solution:

1. Check browser console for errors
 2. Verify backend response includes `internal_state.trust_tau`
 3. Test endpoint: `curl https://your-backend-url.com/api/v1/session/step`
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Issue: Sessions not loading on page refresh

Cause: Backend session history endpoint not working

Solution:

1. Check network tab in browser DevTools
 2. Verify `/analytics/sessions` returns data
 3. Check backend logs for errors
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Customization

Update API URL After Deployment

```
# In Vercel dashboard
Settings → Environment Variables → Edit VITE_API_URL
# Then redeploy
```

Custom Domain

```
# In Vercel dashboard
Settings → Domains → Add Domain
```

Performance

Expected Metrics

- **Load Time:** < 2s
- **Time to Interactive:** < 3s
- **Lighthouse Score:** > 90

Optimization Tips

- Assets are automatically minified
- Code splitting enabled
- Images optimized via Vite
- Gzip compression automatic (Vercel)

Security

- ☒ HTTPS enabled automatically (Vercel)
- ☒ API keys in environment variables only
- ☒ No sensitive data in client code
- ☒ CORS handled by backend

Continuous Deployment

Automatic Deploys (Recommended)

1. Connect GitHub repository to Vercel
2. Every push to `master` auto-deploys
3. Preview URLs for pull requests
4. Automatic rollbacks on error

Manual Deploys

```
# Deploy specific branch
vercel --prod --branch feature-branch

# Deploy with custom name
vercel --prod --name vctt-agi-ui-staging
```

Mobile Support

UI is fully responsive:

- ☒ Mobile phones (320px+)
- ☒ Tablets (768px+)
- ☒ Desktops (1024px+)

Test on different devices after deployment!

Success Criteria

Deployment is successful when:

- ☒ UI accessible at public URL
 - ☒ Backend connection works
 - ☒ Sessions can be created
 - ☒ Analytics dashboard displays
 - ☒ Session history loads
 - ☒ Trust indicators show
 - ☒ No console errors
 - ☒ Mobile responsive
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Monitoring

Vercel Analytics

Enable in dashboard:

- Settings → Analytics → Enable

Metrics tracked:

- Page views
 - Unique visitors
 - Load times
 - Core Web Vitals
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Post-Deployment

1. Share production URL with team
 2. Monitor first 24 hours
 3. Collect user feedback
 4. Plan Phase 3 enhancements
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Current Production URL: <https://vcttagiui.vercel.app>

Backend URL: (Set your deployed backend URL)

Last Updated: November 17, 2025