

Genesis Provenance - Quick Deploy Checklist

Total Time: ~60-90 minutes

Difficulty: Intermediate

Pre-Flight Checklist

Before starting, ensure you have accounts for:

- ☐ **GitHub** - <https://github.com/signup>
 - ☐ **Vercel** - <https://vercel.com/signup>
 - ☐ **AWS** - <https://aws.amazon.com/free>
 - ☐ **GoDaddy** - Already have (genesisprovenance.com)
 - ☐ **Microsoft 365** - Already have
-

Phase 1: GitHub Setup (10 min)

Create Repository

```
# Navigate to project
cd /home/ubuntu/genesis_provenance/nextjs_space

# Initialize git
git init

# Add all files
git add .

# Commit
git commit -m "Phase 1.5: Self-service model with professional UI/UX"

# Add GitHub remote (replace YOUR_USERNAME)
git remote add origin https://github.com/YOUR_USERNAME/genesis-provenance.git

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

✓ **Checkpoint:** Verify code is on GitHub

Phase 2: Database Setup (🕒 10 min)

Option A: Vercel Postgres (Easiest)

1. Go to <https://vercel.com/dashboard>
2. Click **"Storage"** → **"Create Database"**
3. Select **"Postgres"**
4. Name: `genesis-provenance-db`
5. Region: `US East (iad1)` or closest
6. Click **"Create"**
7. Copy `POSTGRES_PRISMA_URL` value
8. **Save this connection string!**

✅ **Checkpoint:** You have the connection string saved

Phase 3: AWS S3 Setup (🕒 15 min)

Create Bucket

1. Go to <https://console.aws.amazon.com/s3>
2. Click **"Create bucket"**
3. Name: `genesis-provenance-assets` (must be unique globally)
4. Region: `us-east-1`
5. **Keep "Block all public access" CHECKED**
6. Click **"Create bucket"**

Configure CORS

1. Click on your bucket
2. Go to **"Permissions"** tab
3. Scroll to **"CORS"**
4. Click **"Edit"** and paste:

```
[
  {
    "AllowedHeaders": ["*"],
    "AllowedMethods": ["GET", "PUT", "POST", "DELETE"],
    "AllowedOrigins": [
      "https://genesisprovenance.com",
      "https://www.genesisprovenance.com",
      "https://app.genesisprovenance.com",
      "http://localhost:3000"
    ],
    "ExposeHeaders": ["ETag"],
    "MaxAgeSeconds": 3000
  }
]
```

1. Click **“Save”**

Create IAM User

1. Go to <https://console.aws.amazon.com/iam/home#/users>
2. Click **“Create user”**
3. Name: `genesis-provenance-s3-user`
4. Click **“Next”**
5. Select **“Attach policies directly”**
6. Search and select: `AmazonS3FullAccess`
7. Click **“Next”** → **“Create user”**
8. Click on the user → **“Security credentials”**
9. Click **“Create access key”**
10. Select **“Application running outside AWS”**
11. Click **“Next”** → **“Create access key”**
12. **COPY BOTH:**
 - Access key ID
 - Secret access key
13. **Save these securely!**

✓ **Checkpoint:** You have AWS Access Key ID and Secret saved

Phase 4: Vercel Deployment (🕒 15 min)

Import to Vercel

1. Go to <https://vercel.com/new>
2. Click **“Import Git Repository”**
3. Select your GitHub account
4. Find `genesis-provenance`
5. Click **“Import”**
6. **DO NOT DEPLOY YET**

Add Environment Variables

Click “**Environment Variables**” and add these:

Generate NextAuth Secret First

Run locally:

```
openssl rand -base64 32
```

Copy the output.

Add Variables (one by one):

1. DATABASE_URL

Value: [Your Postgres connection string from Phase 2]
Environment: Production, Preview, Development

2. NEXTAUTH_URL

Value: <https://genesisprovenance.com>
Environment: Production

3. NEXTAUTH_SECRET

Value: [Your generated secret from above]
Environment: Production, Preview, Development

4. AWS_ACCESS_KEY_ID

Value: [From Phase 3]
Environment: Production, Preview, Development

5. AWS_SECRET_ACCESS_KEY

Value: [From Phase 3]
Environment: Production, Preview, Development

6. AWS_REGION

Value: us-east-1
Environment: Production, Preview, Development

7. AWS_BUCKET_NAME

Value: genesis-provenance-assets
Environment: Production, Preview, Development

8. NODE_ENV

Value: production
Environment: Production

Deploy!

Click **“Deploy”**

 Wait 3-5 minutes...

✓ **Checkpoint:** Deployment successful, app live at `*.vercel.app`

Phase 5: Database Migration (🕒 10 min)

Run Migrations

```
# Install Vercel CLI
npm install -g vercel

# Login
vercel login

# Link project
cd /home/ubuntu/genesis_provenance/nextjs_space
vercel link

# Pull environment variables
vercel env pull .env.local

# Run migrations (use your actual DATABASE_URL)
DATABASE_URL="[your-database-url]" npx prisma migrate deploy

# Seed database
DATABASE_URL="[your-database-url]" npx prisma db seed
```

✓ **Checkpoint:** Database has tables and default admin user

Phase 6: Custom Domain (GoDaddy) (🕒 20 min)

Add Domain in Vercel

1. In Vercel Dashboard → Project → **“Settings”** → **“Domains”**
2. Add these domains:
 - `genesisprovenance.com`

- `www.genesisprovenance.com` (redirect to main)
- `app.genesisprovenance.com` (optional)

3. Vercel shows required DNS records

4. **COPY THESE VALUES** (will be like):

A Record: @ → 76.76.21.21

CNAME: `www` → `cname.vercel-dns.com`

CNAME: `app` → `cname.vercel-dns.com`

Configure GoDaddy DNS

1. Go to <https://dcc.godaddy.com/manage/genesisprovenance.com/dns>
2. Click **“Add”** for each record:

A Record

Type: A
 Name: @
 Value: [IP from Vercel]
 TTL: 600

CNAME Records

Type: CNAME
 Name: `www`
 Value: `cname.vercel-dns.com`
 TTL: 600

Type: CNAME
 Name: `app`
 Value: `cname.vercel-dns.com`
 TTL: 600

1. **Delete any conflicting records** (old A records, parking pages, etc.)
2. Click **“Save”**

Wait for DNS Propagation

🕒 Check status: <https://dnschecker.org>

- Enter: `genesisprovenance.com`
- Wait for green checkmarks worldwide (10-30 min)

Verify in Vercel

1. Go back to Vercel → Domains
2. Wait for green checkmarks
3. Click **“Refresh”** if needed

✅ **Checkpoint:** All domains show green checkmarks in Vercel

Phase 7: Email Setup (Microsoft 365) (🕒 30 min)

Verify Domain

1. Go to <https://admin.microsoft.com>
2. Click **“Settings”** → **“Domains”**
3. Click **“Add domain”**
4. Enter: `genesisprovenance.com`
5. Microsoft shows TXT record for verification
6. Add TXT record to GoDaddy:
Type: TXT
Name: @
Value: MS=ms12345678 (from Microsoft)
TTL: 3600
7. Wait 10 min
8. Click **“Verify”** in Microsoft 365

Add MX Records

Microsoft provides MX record:

```
Type: MX
Name: @
Value: genesisprovenance-com.mail.protection.outlook.com
Priority: 0
TTL: 3600
```

Add to GoDaddy

Add SPF Record

```
Type: TXT
Name: @
Value: v=spf1 include:spf.protection.outlook.com -all
TTL: 3600
```

Add DKIM Records

Microsoft provides 2 CNAME records:

```
Type: CNAME
Name: selector1._domainkey
Value: selector1-genesisprovenance-com._domainkey.[your-tenant].onmicrosoft.com
TTL: 3600
```

```
Type: CNAME
Name: selector2._domainkey
Value: selector2-genesisprovenance-com._domainkey.[your-tenant].onmicrosoft.com
TTL: 3600
```

Add both to GoDaddy

Add DMARC Record

```
Type: TXT
Name: _dmarc
Value: v=DMARC1; p=quarantine; rua=mailto:dmarc@genesisprovenance.com
TTL: 3600
```

Create Email Accounts

1. In Microsoft 365 → **“Users”** → **“Active users”**
2. Click **“Add user”**
3. Create:

- admin@genesisprovenance.com
- info@genesisprovenance.com
- support@genesisprovenance.com
- sales@genesisprovenance.com

✓ **Checkpoint:** Send test email from admin@ to personal email

Phase 8: Testing (🕒 15 min)

Test Checklist

- [] **Home page loads:** https://genesisprovenance.com
- [] **WWW redirects:** https://www.genesisprovenance.com → main
- [] **SSL works:** Green padlock on all domains
- [] **Signup works:** Create test account
- [] **Login works:** Sign in with test account
- [] **Dashboard loads:** After login
- [] **Admin access:** Login as john@doe.com / johndoe123
- [] **Admin console:** Visit /admin page
- [] **Contact form:** Submit and check admin console
- [] **Email works:** Send from admin@, receive at info@
- [] **Mobile responsive:** Test on phone

- [] **Performance:** Run <https://pagespeed.web.dev/> (aim for 90+)

✓ **All Tests Passed!**

Deployment Complete!

Your Live URLs:

- **Main Site:** <https://genesisprovenance.com>
- **WWW:** <https://www.genesisprovenance.com>
- **App:** <https://app.genesisprovenance.com> (if configured)
- **Admin:** <https://genesisprovenance.com/admin>

Default Credentials:

Admin Account:

- Email: `john@doe.com`
- Password: `johndoe123`

⚠ **Change this password immediately after first login!**

Next Steps:

Today:

1. Change admin password
2. Create your real admin account
3. Test all features
4. Share with team

This Week:

1. Set up monitoring (Vercel Analytics)
2. Add error tracking (Sentry - optional)
3. Configure uptime monitoring (UptimeRobot - optional)
4. Start gathering user feedback

This Month:

1. Begin Phase 2 development:
 - Asset onboarding wizard
 - File upload system
 - Items list/grid
 - Provenance timeline
 2. Marketing campaign
 3. Customer onboarding
-

Need Help?

Detailed Guides:

- `DEPLOYMENT_GUIDE.md` - Complete step-by-step
- `VERCEL_DEPLOYMENT.md` - Technical deep dive
- `PROJECT_STATUS.md` - Project overview

Common Issues:

- DNS not propagating? Wait 30-60 minutes
- SSL error? Click “Refresh” in Vercel Domains
- Database error? Verify `DATABASE_URL` and re-run migrations
- Email not working? Check MX records and wait 24 hours

Support Resources:

- Vercel: <https://vercel.com/docs>
- Next.js: <https://nextjs.org/docs>
- GoDaddy: <https://www.godaddy.com/help>

Summary of What You Deployed:

✓ Professional Marketing Site

- Home, Pricing, Product, How It Works
- Self-service signup (no gatekeeping)
- Realistic pricing (\$19-499/mo)
- Trust signals & statistics

✓ Authentication System

- Email/password login
- Role-based access (collector, reseller, partner, admin)
- Protected dashboard

✓ Dashboard Application

- User dashboard with summary cards
- Vault page (ready for Phase 2)
- Settings page
- Admin console

✓ Database

- PostgreSQL with Prisma
- Extended schema for Phase 2
- Seeded with default data

✓ Cloud Storage

- AWS S3 configured
- Ready for file uploads in Phase 2

✓ Professional Email

- Microsoft 365 integration
- Custom domain email addresses
- SPF/DKIM/DMARC configured

Congratulations! 🎉 Genesis Provenance is now live and ready for users!

Last Updated: November 29, 2025

Deploy Time: ~90 minutes

Status:  Production Ready