

EdgeChain Deployment Checklist

Use this checklist before demo/presentation to ensure everything is working.

☐ Pre-Deployment Checks

Environment Setup

- ☐ Docker is running (docker ps)
- ☐ Node.js installed (node --version)
- ☐ Yarn installed (yarn --version)
- ☐ Compact compiler available (compact --version)
- ☐ Fly.io CLI installed (flyctl version)
- ☐ Fly.io authenticated (flyctl auth whoami)

Dependencies

- ☐ All packages installed (yarn install)
- ☐ Contract dependencies present (cd packages/contract && ls node_modules)
- ☐ UI dependencies present (cd packages/ui && ls node_modules)

☐ Build Verification

Contract Build

```
cd packages/contract

# Compile Compact contract
npm run compact
# ☐ Check: src/managed/edgechain/contract/index.cjs exists

# Build TypeScript
npm run build
# ☐ Check: dist/deploy-simple.js exists
# ☐ Check: dist/view-contract.js exists
# ☐ Check: dist/managed/edgechain/contract/index.cjs exists
```

- ☐ Compact compilation successful
- ☐ TypeScript build successful
- ☐ Contract module in dist/ folder


UI Build

```
cd packages/ui
npm run build
# ☐ Check: dist/index.html exists
# ☐ Check: dist/assets/ folder populated
```

- ☐ UI build successful
- ☐ Assets generated

☐ Proof Server

```
./start-proof-server.sh
# Expected: Container starts successfully

curl http://127.0.0.1:6300/health
# Expected: "We're alive "
```

- ☐ Proof server running
- ☐ Health check passing

☐ Contract Deployment

Get tDUST for Deployment Wallet

```
cd packages/contract
npm run deploy
# Wait for wallet address to be shown
# Copy the address
```

- ☐ Deployment script starts
- ☐ Wallet address generated
- ☐ Visit <https://faucet.testnet.midnight.network>
- ☐ Request tDUST for deployment wallet address
- ☐ Wait for tokens to arrive (~2-3 minutes)

Complete Deployment

```
# Deployment should auto-continue when tDUST arrives
# Expected: "Contract deployed successfully"
# Expected: deployment.json created
# Expected: DEPLOYMENT_WALLET_SEED.txt exists
```

- ☐ Contract deployment successful
- ☐ deployment.json created
- ☐ Contract address saved
- ☐ Deployment wallet seed saved

Verify Contract

```
npm run view-contract
# Expected: Shows contract state
# Expected: Current round: 0
# Expected: Submission count: 0
```

- ☐ Contract is queryable
- ☐ Contract state shows initial values

☐ UI Deployment to Fly.io

Build and Deploy

```
cd ../../..
./deploy-to-flyio.sh
# Expected: Build completes
# Expected: Deployment to Fly.io succeeds
```

```
# [ ] Expected: URL shown: https://edgechain-midnight-ui.fly.dev
```

- ☐ Contract rebuilt
- ☐ UI built successfully
- ☐ Deployed to Fly.io
- ☐ URL accessible

Verify Deployment

```
export PATH="/home/codespace/.fly/bin:$PATH"
flyctl status
# [ ] Expected: Status shows running or stopped (auto-scales)

curl https://edgechain-midnight-ui.fly.dev
# [ ] Expected: Returns HTML
```

- ☐ Fly.io app status is healthy
- ☐ URL is accessible
- ☐ App serves correctly

☐ End-to-End Testing

Test UI Locally (Optional)

```
cd packages/ui
npm run dev
# Visit http://localhost:5173
```

- ☐ Local dev server starts
- ☐ UI loads in browser
- ☐ No console errors

Test Wallet Connection

Requirements: Lace Midnight Preview wallet with tDUST

Visit deployed URL or localhost: - [] Click "Connect Wallet" - [] Lace extension prompts - [] Wallet connects successfully - [] Wallet address shown in UI

Test Contract Interaction

- ☐ Can see contract state
- ☐ Can submit model update (if implemented)
- ☐ No errors in console
- ☐ Transactions process correctly

☐ Demo Preparation

Have Ready

- ☐ Deployed contract address
- ☐ Deployed UI URL: https://edgechain-midnight-ui.fly.dev
- ☐ Lace wallet with tDUST (~100+ tDUST recommended)
- ☐ Deployment wallet seed backed up

- ☐ CHECKPOINT_STABLE_v1.md reviewed

Terminal Setup

Have 3 terminals ready:

Terminal 1: Proof server

```
./start-proof-server.sh
```

Terminal 2: Contract operations

```
cd packages/contract
# Ready to run: npm run view-contract
```

Terminal 3: Fly.io operations

```
export PATH="/home/codespace/.fly/bin:$PATH"
# Ready to run: flyctl logs, flyctl status
```

Browser Setup

- ☐ Lace Midnight Preview wallet installed
- ☐ Wallet unlocked and funded
- ☐ Tab open to deployed UI
- ☐ Developer console open (for debugging if needed)

☐ Backup & Recovery

Files to Backup

- ☐ DEPLOYMENT_WALLET_SEED.txt
- ☐ DEPLOYMENT_WALLET_ADDRESS.txt
- ☐ packages/contract/deployment.json

Recovery Plan

If something breaks during demo:

```
# 1. Return to stable checkpoint
git stash
git checkout stable-v1.0

# 2. Quick rebuild
yarn install
cd packages/contract && npm run build
cd ../ui && npm run build

# 3. Restart proof server
./start-proof-server.sh
```

☐ Final Pre-Demo Check (5 minutes before)

```
# 1. Proof server
curl http://127.0.0.1:6300/health
```

```
# 2. Contract deployed
cd packages/contract && npm run view-contract

# 3. UI deployed
curl -I https://edgechain-midnight-ui.fly.dev

# 4. Wallet ready
# Check Lace wallet has tDUST
```

All green? → ☐ READY TO DEMO!

Emergency Contacts & Resources

Midnight Network: - Testnet Faucet:
<https://faucet.testnet.midnight.network> - Indexer:
<https://indexer.testnet-02.midnight.network> - Docs:
<https://docs.midnight.network>

Fly.io: - Dashboard: <https://fly.io/dashboard> - Status:
<https://status.fly.io> - Docs: <https://fly.io/docs>

Quick Commands:

```
# Restart proof server
docker restart $(docker ps -q --filter
ancestor=midnightnetwork/proof-server)

# Restart Fly.io app
flyctl apps restart edgechain-midnight-ui

# View logs
flyctl logs

# SSH into Fly.io machine
flyctl ssh console
```

Last Updated: November 8, 2025 **Checkpoint:** stable-v1.0 **Status:**
Ready for Demo ☐