

## Week 9 Roadmap — Final Integration, Proof System and Launch Prep

Theme: Turn the working prototype into a deployable MVP with real proof flow and compliance guarantees.

### Primary Objectives

Complete the ZK proof pipeline end-to-end, integrate signature verification with transfers, finish RBAC enforcement, and prepare the product for public demo and deployment.

### Week 9 Goals

#### Technical

1. Implement full proof generation engine  
Connect backend proof generator to Midnight primitives and contract interfaces.
2. Implement proof verification engine  
Wire /proof/verify to actual on-chain or SDK verification.
3. Signature verification and RBAC completion  
Enforce signed transactions for transfer and proof actions and finalize investor-owner-regulator role behavior.
4. KYC stub integration  
Make full login → verify identity → perform action workflow visible end-to-end.
5. IPFS integration finalization  
Switch from mock to persistent pinning, map results to DB.
6. Final event handling and dashboard polish  
Improve live refresh for proof results, property ownership changes, and activity feed.
7. QA testing and debugging  
Contract tests, backend integration tests, full transfer and proof suite.
8. Pre-deployment checklist  
Security review, load testing basics, documentation updates.

#### Business and Demo

1. Pitch deck structure + story flow draft
2. MVP deployment strategy and rollout plan

### 3. Prepare demo script for flow recording

#### Team Responsibilities

Ayush

Proof verification logic, signature verification, RBAC enforcement, contract updates

Samarth

Proof generation engine, backend endpoints, IPFS pinning final integration, test APIs

Akshad

Proof dashboard UI integration, event-driven refresh states, KYC modal connection, UX polish

Athar

Documentation (proof flow, security), QA and testing coordination, pitch narrative structure, deployment prep

#### End of Week 9 Deliverables

Working proof pipeline:

- ✓ Generate proof
- ✓ Verify proof
- ✓ Show result in dashboard

- ✓ Signature verified transfers and proofs
- ✓ RBAC enforced across system
- ✓ KYC stub workflow integrated
- ✓ IPFS pinning functional
- ✓ Proof and transfer tests passing
- ✓ Dashboard with ownership and proof results syncing live
- ✓ Updated docs and architecture clarity
- ✓ First version of pitch structure
- ✓ Staging deployment ready