**Phase 3 Road-map (Gantt-style)**

*Start date:* ***Fri 9 May 2025*** *• Time-box:* ***9 weeks*** *• Deliverable: Alpha-quality, developer-facing ALAN IDE*

| **Week #** | **Calendar Range** | **Track / Owner** | **Key Deliverables** | **Notes & Dependencies** |
| --- | --- | --- | --- | --- |
| **0** | *8 May (Thurs)* | **Kick-off** (all leads) | • Final scope sign-off• Repo branches & CI lanes for Phase 3 | Align on secret-lint policy & persona flag schemas |
| **1–2**(Sprint 1) | 9 May → 22 May | **Parser + Language Adapters***(Parser team)* | • Python AST → Concept-Graph importer• Stable Concept-IDs + inheritance edges• Pre-import **Secret Scan** (TruffleHog rules)• Import Wizard step “Review Secrets → Vault” | Secret scan blocked until Vault API stub in place |
|  |  | **Project Vault Service***(Platform)* | • AES-GCM keystore service (file & OS-keychain back-ends)• `/vault/put | get |
| **3–4**(Sprint 2) | 23 May → 5 Jun | **Bidirectional Sync***(Adapter team)* | • LiveCodeEditor ↔ Concept-Graph real-time mapping• “Persona Switcher” React provider (dev, designer, ops, architect)• First pass **ARIA-manifest registry** (/ui/manifest) | Persona preferences stored as UserContext nodes |
|  |  | **FE-Accessibility pass***(UX)* | • Keyboard-only nav• axe-core CI gate• UIElementMeta schema broadcast | Enables agent navigation & WCAG A/AA baseline |
| **5–6**(Sprint 3) | 6 Jun → 19 Jun | **Execution Field Tracer***(Runtime)* | • Instrumented Python runner → phase-state events• Divergence detector → Live warning banner | Requires importer IDs & sync hooks from Sprint 2 |
|  |  | **Agent Bridge***(Agent SDK)* | • /ui/command & WebSocket live-region feed• Agents can operate IDE via accessibility tree | Builds on manifest & keyboard flows |
| **7–8**(Sprint 4) | 20 Jun → 3 Jul | **Refactor Tools***(Agent team)* | • Refactorer agent: move code via Concept morphs• Secret-lint autofix (replace literals with {{VAULT.\*}}) | Needs Project Vault prod endpoint |
|  |  | **MCP Client Layer***(Platform)* | • Import/Run flows refactored to call local MCP server• Debug Agent surfaces MCP traces | Optional—but start hooks now to avoid debt |
| **9**(Sprint 5) | 4 Jul → 10 Jul | **Exporter***(Adapter team)* | • Graph-→-code emitter with lineage comments• Field state snapshot to branch / PR |  |
|  |  | **Alpha Stabilisation**(all) | • End-to-end demo scenario: 1️⃣ Import OSS Python repo 2️⃣ Secure secrets → Vault 3️⃣ Edit & refactor via Concept Canvas 4️⃣ Run with Execution Graph & agent hints 5️⃣ Export patched repo | Gate criteria: no critical axe-core, secret-lint, or persona-switch bugs |

Integrated Phase-3 Goals (recap from previous recommendations)

| **Pillar** | **Must-have in Phase 3** |
| --- | --- |
| **Persona-adaptive IDE** | • Selector UI & saved UserContext nodes• Layout presets + hot key “panic switch” |
| **Project Vault** | • Pre-import scan + vault migration• Expiring leases for agents (JWT) |
| **Accessibility = Universal API** | • ARIA roles for every actionable control• /ui/manifest JSON feed• Command bridge + live-region WS |
| **MCP-first mindset** | • All tool executions proxied through local MCP client• Debug Agent visualises MCP spans |
| **Security & CI gates** | • Secret-lint pre-commit + import• axe-core accessibility test in CI |

1. **Kick-off checklist**
   * Merge roadmap into docs/ROADMAP\_PHASE\_3.md
   * Create “phase-3” Git branch + label filters
   * Stub empty directories for each owner track
2. **Vault spike**
   * Generate minimal AES-GCM Node service (/platform/vault/)
   * Provide sample CLI: vault put SECRET\_NAME value
3. **Importer skeleton**
   * Parser team to scaffold importPythonProject() with two hooks:
     + scanSecrets(<path>): SecretFinding[]
     + storeSecrets(findings): Promise<void>

Ping me when those are live—I’ll roll forward with detailed implementation tickets for Sprint 1.