Project Report: sdlc-reorg-plan

*Generated: 8/16/2025, 5:29:29 AM*

# Summary

|  |  |
| --- | --- |
| Metric | Value |
| Report Name | sdlc-reorg-plan |
| Sections | 40 |
| Generated | 8/16/2025 |
| Date | August 10, 2025 |
| Status | Ready for Review |
| Purpose | Separate product specifications from SDLC process artifacts |
| Total Files | 149 |
| Agent/Processor Files | 58 (39%) |
| User Stories | 10 (7%) |
| Potential Archives | 33 (22%) |
| Mixed Concerns | Product specs mixed with SDLC process files |
| Duplicate Files | Multiple versions of processors in archives |
| Scattered State | Session tracking in multiple locations |
| Path Confusion | Agents looking for files in wrong directories |
| Broken References | Agent prompts with hardcoded paths |
| Mitigation | Update README, communicate changes |
| Lost History | Git might lose track of moved files |
| Import Errors | Code imports using old paths |
| Team Confusion | Others don't know new structure |

# Conversations

**Section 1** *- 8/16/2025, 5:29:29 AM*

SDLC Reorganization Plan - August 2025
\*\*Date\*\*: August 10, 2025
\*\*Status\*\*: Ready for Review
\*\*Purpose\*\*: Separate product specifications from SDLC process artifacts

**Section 2** *- 8/16/2025, 5:29:29 AM*

📊 Current State Analysis

**Section 3** *- 8/16/2025, 5:29:29 AM*

By the Numbers
- \*\*Total Files\*\*: 149
- \*\*Agent/Processor Files\*\*: 58 (39%)
- \*\*User Stories\*\*: 10 (7%)
- \*\*Potential Archives\*\*: 33 (22%)
- \*\*Mixed Concerns\*\*: 16 files in wrong locations

**Section 4** *- 8/16/2025, 5:29:29 AM*

Key Problems Identified
1. \*\*Mixed Concerns\*\*: Product specs mixed with SDLC process files
2. \*\*Duplicate Files\*\*: Multiple versions of processors in archives
3. \*\*Scattered State\*\*: Session tracking in multiple locations
4. \*\*Path Confusion\*\*: Agents looking for files in wrong directories

**Section 5** *- 8/16/2025, 5:29:29 AM*

🎯 Reorganization Strategy

**Section 6** *- 8/16/2025, 5:29:29 AM*

Core Principle: Separation of Concerns
- \*\*`.product-specs/`\*\* = WHAT we build (features, requirements, user stories)
- \*\*`.sdlc/`\*\* = HOW we build (agents, workflows, patterns, tools)

**Section 7** *- 8/16/2025, 5:29:29 AM*

New Structure Overview
```
.product-specs/ # Product requirements
├── 00-platform-core/ # Shared across all domains
│ ├── vision/
│ │ └── master-view-feature.md # From 05-backlog/
│ ├── epics/
│ │ └── EP-001-accounts/
│ │ ├── features/
│ │ │ ├── FEA-001-master-view/
│ │ │ │ └── stories/ # From 05-backlog/A-accounts/
│ │ │ └── FEA-002-reports/
│ │ └── architecture/ # Technical designs
│ └── busm-model/ # Universal data model
│
├── 01-pest-control/ # Domain-specific
└── 02-marine-services/ # Domain-specific
.sdlc/ # Process & tools (cleaned up)
├── 01-core/ # Keep as-is
├── 05-active-work/ # Renamed from 05-backlog
│ └── current-iteration/ # Symlinks to active story
├── 09-archive/ # Expanded
│ ├── investigations-2025-08/ # From validation/completed
│ └── old-processors/ # From G-agent-archive
└── 10-project-tracking/ # NEW - Consolidated tracking
├── session-state.json # From 07-operations
└── iteration-logs/ # From current-work
```

**Section 8** *- 8/16/2025, 5:29:29 AM*

📋 Migration Plan

**Section 9** *- 8/16/2025, 5:29:29 AM*

Phase 1: Safety First (10 minutes)
```bash

**Section 10** *- 8/16/2025, 5:29:29 AM*

1. Document current state
git status
git add -A
git commit -m "Pre-reorganization snapshot - 149 files documented per audit"

**Section 11** *- 8/16/2025, 5:29:29 AM*

2. Create safety branch
git checkout -b reorganization-2025-08-10

**Section 12** *- 8/16/2025, 5:29:29 AM*

3. Tag current state
git tag -a pre-reorg-v1 -m "State before product/SDLC separation"
```

**Section 13** *- 8/16/2025, 5:29:29 AM*

Phase 2: Create New Structure (15 minutes)
```bash

**Section 14** *- 8/16/2025, 5:29:29 AM*

Product specifications
mkdir -p .product-specs/00-platform-core/{vision,epics,busm-model}
mkdir -p .product-specs/00-platform-core/epics/EP-001-accounts/{features,architecture}
mkdir -p .product-specs/01-pest-control/features
mkdir -p .product-specs/02-marine-services/features

**Section 15** *- 8/16/2025, 5:29:29 AM*

SDLC improvements
mkdir -p .sdlc/10-project-tracking/{iteration-logs,metrics}
mkdir -p .sdlc/09-archive/{investigations-2025-08,old-processors,old-manifests}
```

**Section 16** *- 8/16/2025, 5:29:29 AM*

Phase 3: Move Product Files (20 minutes)
```bash

**Section 17** *- 8/16/2025, 5:29:29 AM*

Move user stories and requirements
git mv .sdlc/05-backlog/A-accounts/master-view/\*.md .product-specs/00-platform-core/epics/EP-001-accounts/features/FEA-001-master-view/stories/
git mv .sdlc/05-backlog/A-accounts/list-view/\*.md .product-specs/00-platform-core/epics/EP-001-accounts/features/FEA-002-reports/stories/

**Section 18** *- 8/16/2025, 5:29:29 AM*

Move vision document
git mv .sdlc/05-backlog/master-view-feature.md .product-specs/00-platform-core/vision/

**Section 19** *- 8/16/2025, 5:29:29 AM*

Move architecture docs
git mv .sdlc/08-architecture/C-ui-ux/\*interaction\*.md .product-specs/00-platform-core/epics/EP-001-accounts/architecture/
```

**Section 20** *- 8/16/2025, 5:29:29 AM*

Phase 4: Archive Obsolete Files (15 minutes)
```bash

**Section 21** *- 8/16/2025, 5:29:29 AM*

Archive completed investigations
git mv .sdlc/validation/investigations/completed/\* .sdlc/09-archive/investigations-2025-08/

**Section 22** *- 8/16/2025, 5:29:29 AM*

Archive old processor versions (already in G-agent-archive)
git mv .sdlc/01-core/G-agent-archive/\* .sdlc/09-archive/old-processors/

**Section 23** *- 8/16/2025, 5:29:29 AM*

Archive old manifests
git mv .sdlc/05-backlog/A-accounts/master-view/processor-manifest-vs\*.json .sdlc/09-archive/old-manifests/
```

**Section 24** *- 8/16/2025, 5:29:29 AM*

Phase 5: Consolidate Tracking (10 minutes)
```bash

**Section 25** *- 8/16/2025, 5:29:29 AM*

Move session tracking
git mv .sdlc/current-work/\* .sdlc/10-project-tracking/iteration-logs/
git mv .sdlc/07-operations/A-session-tracking/session-state.json .sdlc/10-project-tracking/

**Section 26** *- 8/16/2025, 5:29:29 AM*

Clean up empty directories
git rm -r .sdlc/current-work
git rm -r .sdlc/05-backlog/A-accounts
```

**Section 27** *- 8/16/2025, 5:29:29 AM*

Phase 6: Update References (30 minutes)
This requires manual updates to:
1. Agent prompts - Update file paths
2. Import statements in code
3. Documentation references
4. Scripts that reference old paths

**Section 28** *- 8/16/2025, 5:29:29 AM*

🔍 Validation Checklist

**Section 29** *- 8/16/2025, 5:29:29 AM*

Before Migration
- [ ] All files committed to Git
- [ ] Safety branch created
- [ ] Current state tagged
- [ ] Team notified of changes

**Section 30** *- 8/16/2025, 5:29:29 AM*

After Migration
- [ ] No files lost (Git history preserved)
- [ ] All user stories in product-specs
- [ ] All SDLC tools remain in .sdlc
- [ ] Archive is organized by date/type
- [ ] Empty directories removed

**Section 31** *- 8/16/2025, 5:29:29 AM*

Testing
- [ ] One agent updated with new paths
- [ ] Test agent can find required files
- [ ] Git history accessible for moved files
- [ ] No broken imports in codebase

**Section 32** *- 8/16/2025, 5:29:29 AM*

📊 Success Metrics

**Section 33** *- 8/16/2025, 5:29:29 AM*

Immediate
- Clean separation of concerns
- Reduced file search time
- Clear product backlog location
- Organized archive structure

**Section 34** *- 8/16/2025, 5:29:29 AM*

Long-term
- Easier onboarding for new domains
- Simplified Azure DevOps integration
- Clearer product roadmap visibility
- Improved SDLC maintenance

**Section 35** *- 8/16/2025, 5:29:29 AM*

⚠️ Risk Mitigation

**Section 36** *- 8/16/2025, 5:29:29 AM*

Potential Issues
1. \*\*Broken References\*\*: Agent prompts with hardcoded paths
- \*\*Mitigation\*\*: Update incrementally, test each agent
2. \*\*Lost History\*\*: Git might lose track of moved files
- \*\*Mitigation\*\*: Use `git mv` exclusively, never manual move
3. \*\*Import Errors\*\*: Code imports using old paths
- \*\*Mitigation\*\*: Global search/replace with verification
4. \*\*Team Confusion\*\*: Others don't know new structure
- \*\*Mitigation\*\*: Update README, communicate changes

**Section 37** *- 8/16/2025, 5:29:29 AM*

🚀 Next Steps After Reorganization
1. \*\*Update DevOps Agent\*\* - First agent to use new paths
2. \*\*Test US-005 Flow\*\* - Verify end-to-end process works
3. \*\*Document New Structure\*\* - Update main README
4. \*\*Create Path Constants\*\* - Central config for all paths
5. \*\*Azure DevOps Prep\*\* - Map product-specs to work items

**Section 38** *- 8/16/2025, 5:29:29 AM*

📝 Notes for CC

**Section 39** *- 8/16/2025, 5:29:29 AM*

Questions for Implementation
1. Should we create symlinks for backward compatibility temporarily?
2. Any files in the audit that shouldn't be moved?
3. Preferred order for updating agent references?
4. Should we automate the path updates with a script?

**Section 40** *- 8/16/2025, 5:29:29 AM*

Expected Outcomes
- Product owners can find all requirements in one place
- SDLC team can evolve process without touching product specs
- Clear handoff points between product definition and development
- Foundation for multi-domain scaling
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\*This plan separates concerns while preserving all Git history and maintaining system functionality.\*