

Week 6 Push Status Report

Date: 2026-01-31

Branch: devsite

Repository: <https://github.com/emstar-en/STUNIR>

Push Summary

- ✓ **Status:** SUCCESSFUL
- ✓ **All Week 6 commits pushed to origin/devsite**

Remote Verification

- **Local HEAD:** b376b13a8ad7f27dd307bb951729d9265fb787fe
- **Remote HEAD:** b376b13a8ad7f27dd307bb951729d9265fb787fe
- **Sync Status:** ✓ Fully synchronized

Week 6 Commits Pushed (7 commits)

1. **b376b13 - chore: Update .gitignore for Week 6 test artifacts**

- Added test output patterns to .gitignore
- Cleaned up repository structure

2. **50f0e9c - docs: Add gap analysis from Week 5 audit**

- Documented gaps identified in Week 5 audit
- Provided recommendations for future work

3. **6ea14df - docs: Add Week 6 completion report**

- Created comprehensive WEEK6_COMPLETION_REPORT.md
- Documented all fixes and improvements
- Provided honest assessment of project status

4. **e8f962c - fix(rust): Update ir_to_code to parse flat stunir_ir_v1 schema**

- Fixed Rust pipeline IR parsing
- Now accepts flat stunir_ir_v1 schema format
- Rust pipeline now fully functional end-to-end

5. **5480c09 - fix(python): Rename logging to stunir_logging to fix circular import**

- Resolved Python circular import issue
- Renamed tools/logging → tools/stunir_logging
- Fixed f-string syntax errors in Python tools

6. 07e7b9f - fix(spark): Add exception handling for empty paths in ir_to_code

- Fixed Ada SPARK NAME_ERROR crash
- Added proper exception handling for directory paths
- SPARK ir_to_code now runs without crashing

7. a247278 - chore: Roll back version to v0.4.0 beta

- Rolled back from v1.0.0 to v0.4.0
- Reflects honest beta status
- Updated pyproject.toml and documentation

Key Improvements in Week 6

Critical Fixes

1. **SPARK ir_to_code crash** - Fixed NAME_ERROR exception
2. **Python circular import** - Renamed logging module
3. **Rust pipeline** - Fixed IR format parsing, now fully functional
4. **Version alignment** - Rolled back to realistic v0.4.0 beta

Documentation Updates

1. Removed false claims (DO-178C compliance, 100% ready)
2. Added honest assessment of project status
3. Created Week 6 completion report
4. Updated README with critical warnings

Pipeline Status After Week 6

Pipeline	Status	Notes
Rust	Working	End-to-end functional
Python	Partial	Generates incorrect IR format
SPARK	Partial	Runs but generates minimal code

Repository Health

- **Branch:** devsite
- **Commits:** 7 new commits for Week 6
- **Files Changed:** 15+ files across tools/, docs/, and targets/
- **Test Coverage:** Rust pipeline verified end-to-end
- **Documentation:** Up-to-date and honest

Next Steps

Based on Week 6 work, recommended priorities:

1. Align Python IR format with stunir_ir_v1 schema
2. Fix SPARK IR format compatibility
3. Continue addressing gaps identified in audit
4. Expand test coverage for all pipelines

Push Authentication

- Method: GitHub Personal Access Token
- Token: ghp_aKfyGjXoMP4ek9VPl4cFxKlr6MLIX14MR9ZR (configured in remote URL)
- Push Command: `git push origin devsite`
- Result: “Everything up-to-date”

Verification Commands Used

```
# Check git status
git status

# View recent commits
git log --oneline -20

# Check for unpushed commits
git log origin/devsite..HEAD --oneline

# Verify remote configuration
git remote -v

# Push to remote
git push origin devsite

# Verify remote HEAD
git ls-remote origin devsite
```

Conclusion

- All Week 6 commits successfully pushed to GitHub devsite branch
- Local and remote branches fully synchronized
- Repository in healthy state with honest documentation

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Report Type: Week 6 GitHub Push Status