

STUNIR Push Status Report

Date: January 31, 2026

Repository: emstar-en/STUNIR

Branch: devsite

Status: ✗ PUSH FAILED

Executive Summary

The push to GitHub **failed** due to insufficient GitHub App permissions. The commits are ready and valid, but GitHub is blocking the push because it includes a workflow file (`.github/workflows/semantic_ir_validation.yml`) and the Abacus.AI GitHub App lacks the `workflows` permission required to create or modify workflow files.

Commit Details

Commits Pending Push (2 total):

1. Phase 1 Complete: Semantic IR Schema Design & Validation

- **Commit Hash:** 8b08c4c0fb70fc85f4b43a416bd844e1d27c9c4f
- **Author:** STUNIR Migration stunir@example.com
- **Date:** 2026-01-31 04:42:20 +0000
- **Files Changed:** 78 files (+7,878 insertions, -1 deletion)
- **Key Changes:**
 - Added `.github/workflows/semantic_ir_validation.yml` ⚠ (causes permission issue)
 - Created semantic IR schemas in `schemas/semantic_ir/`
 - Added Python, Rust, Haskell, and Ada SPARK implementations
 - Created comprehensive documentation (PDFs and Markdown)
 - Added validation tests and examples

2. Phase 2: Complete Semantic IR Parser Implementation

- **Commit Hash:** 119091f9060aeb06ae3e6c96193607f7106096c6
- **Author:** STUNIR Migration stunir@example.com
- **Date:** 2026-01-31 05:02:33 +0000
- **Files Changed:** 58 files (+8,563 insertions, -464 deletions)
- **Key Changes:**
 - Implemented semantic IR parser with 25+ category modules
 - Added AST builder, IR generator, and semantic analyzer
 - Created 5 comprehensive example specifications
 - Added extensive test coverage (parser tests for all categories)
 - Generated completion reports with architecture guides

Error Analysis

Exact Error Message:

```
! [remote rejected] devsite -> devsite (refusing to allow a GitHub App to create or
update workflow .github/workflows/semantic_ir_validation.yml without workflows pe
rmission)
error: failed to push some refs to 'https://github.com/emstar-en/STUNIR.git'
```

Root Cause:

GitHub has a security policy that prevents GitHub Apps from creating or modifying workflow files (files in `.github/workflows/`) unless the app has been explicitly granted the **workflows permission**. This is a protective measure to prevent unauthorized changes to CI/CD pipelines.

Problematic File:

- `.github/workflows/semantic_ir_validation.yml` (added in commit 8b08c4c)

Resolution Options

✓ Option 1: Grant Workflows Permission to GitHub App (RECOMMENDED)

This is the cleanest solution that allows all changes to be pushed as-is.

Steps:

1. Go to: https://github.com/apps/abacusai/installations/select_target
2. Select the `emstar-en/STUNIR` repository
3. In the repository access settings, find **“Workflows”** permission
4. Enable **“Read and Write”** access for Workflows
5. Save the changes
6. Retry the push: `git push origin devsite`

Pros:

- Preserves all commits intact
- Allows future workflow updates via the GitHub App
- Most straightforward solution

Cons:

- Requires GitHub repository admin access
- May require organization approval depending on your GitHub settings

⚙️ Option 2: Remove Workflow File and Push Separately

Temporarily remove the workflow file from the commits, push the remaining changes, then add the workflow via GitHub's web interface.

Steps:

```
# Create a backup branch
git branch backup-pre-workflow-removal

# Interactive rebase to remove workflow file from commit
git rebase -i origin/devsite

# In the editor, change 'pick' to 'edit' for commit 8b08c4c
# Then run:
git restore --staged .github/workflows/semantic_ir_validation.yml
git restore .github/workflows/semantic_ir_validation.yml
git rebase --continue

# Push the modified commits
git push origin devsite

# Manually add the workflow file via GitHub web UI
```

Pros:

- Can proceed immediately without permission changes
- Doesn't require additional GitHub App permissions

Cons:

- Modifies commit history (requires force push if already shared)
- Workflow file must be added manually through GitHub UI
- More complex process

Option 3: Use Personal Access Token Instead

Temporarily use a personal access token (PAT) with workflow permissions for this push.

Steps:

```
# Create a PAT with 'workflow' scope at:
# https://github.com/settings/tokens/new

# Update remote URL temporarily
git remote set-url origin https://YOUR_PAT@github.com/emstar-en/STUNIR.git

# Push
git push origin devsite

# Restore original remote
git remote set-url origin https://ghu_05smCHF3C3AQ2DDv7gG5E15l25zPQp29qYdM@github.com/emstar-en/STUNIR.git
```

Pros:

- Quick workaround
- Preserves commits as-is
- No need to modify GitHub App permissions

Cons:

- Requires creating and managing a PAT
- PAT has broader access than needed
- Temporary solution (doesn't fix underlying permission issue)

Current Repository State

```
Branch: devsite
Status: 2 commits ahead of origin/devsite
Uncommitted Changes: .abacus.donotdelete (modified, not staged)

Local Commits Not Pushed:
119091f - Phase 2: Complete Semantic IR Parser Implementation
8b08c4c - Phase 1 Complete: Semantic IR Schema Design & Validation
```

Recommendations

Primary Recommendation: Option 1 (Grant Workflows Permission)

This is the most sustainable solution. The Semantic IR validation workflow is a valuable addition to the CI/CD pipeline and should be version-controlled like other code. Granting the GitHub App workflows permission allows:

- Proper version control of CI/CD configurations
- Future workflow updates without manual intervention
- Consistent development workflow

If Option 1 Is Not Immediately Possible:

Use **Option 3** (PAT) as a temporary workaround to unblock the push, then work with your GitHub admin to grant workflows permission for future changes.

Avoid Option 2 Unless Necessary:

Rewriting commit history should be avoided unless absolutely required, as it can cause issues for other collaborators.

Next Steps

1. **Immediate Action Required:** Choose one of the three resolution options above
2. **After Successful Push:**
 - Verify commits appear on GitHub: <https://github.com/emstar-en/STUNIR/commits/devsite>
 - Check that CI/CD workflow is active (if Option 1 was used)
 - Confirm all files are present and correct
3. **Stage the Modified .abacus.donotdelete File (Optional):**

```
bash
git add .abacus.donotdelete
git commit -m "Update tracking file"
git push origin devsite
```

Commit URLs (After Successful Push)

Once pushed successfully, the commits will be available at:

- **Phase 1:** <https://github.com/emstar-en/STUNIR/commit/8b08c4c0fb70fc85f4b43a416bd844e1d27c9c4f>
 - **Phase 2:** <https://github.com/emstar-en/STUNIR/commit/119091f9060aeb06ae3e6c96193607f7106096c6>
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Technical Details

Repository: emstar-en/STUNIR

Authentication: GitHub App (ghu_05smCHF3C3AQ2DDv7gG5EI5I25zPQp29qYdM)

Remote URL: <https://github.com/emstar-en/STUNIR.git>

Current Branch: devsite

Target Branch: origin/devsite

Total Changes Pending:

- 136 files modified
 - 16,441 insertions
 - 465 deletions
 - 2 commits
-

Report Generated: January 31, 2026