

V1.5.40.9: DEPLOYMENT TRACKING FIX - STRATEGIC ROLLBACK SUCCESS


MISSION ACCOMPLISHED: VERCEL DEPLOYMENT TRACKING FIX

EXECUTIVE SUMMARY





Successfully completed strategic rollback to stable v1.5.40-alpha.1 foundation and implemented Vercel's recommended VERCEL_GIT_COMMIT_SHA deployment tracking fix. Application builds successfully and is ready for deployment with accurate commit tracking.

STRATEGIC ROLLBACK COMPLETED

Rollback Target

- **From:** v1.5.40-alpha.20 (complex race condition prevention)
- **To:** v1.5.40-alpha.1 (STABLE MILESTONE)
- **Commit:** 0d69408  STABLE MILESTONE v1.5.40-alpha.1
- **Rationale:** Return to known stable foundation before Stripe issues began

Benefits Achieved

-  Eliminated complex multi-layer fixes causing build failures
 -  Restored stable foundation without error-prone code
 -  Clean codebase ready for targeted future improvements
 -  Customer protection restored to working baseline
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VERCEL DEPLOYMENT TRACKING FIX

Core Problem Solved

Vercel deployments were showing misleading commit information due to hardcoded values in version endpoint.

Vercel's Recommended Solution Implemented

File: /app/api/version/route.ts

Before (Problematic):

```
let commit = 'v1.5.19-plan-buttons-and-signup-fixes-FORCED-DEPLOYMENT';
```

After (Vercel's Recommendation):

```
// Use VERCEL_GIT_COMMIT_SHA for accurate deployment tracking (Vercel's recommendation)
let commit = process.env.VERCEL_GIT_COMMIT_SHA || 'local-development';
```

Enhanced Implementation

```
return NextResponse.json({
  version,
  environment: process.env.NODE_ENV || 'development',
  buildTime: new Date().toISOString(),
  commit: process.env.VERCEL_GIT_COMMIT_SHA || 'local-development',
  branch: process.env.VERCEL_GIT_COMMIT_REF || 'main',
  deploymentId: process.env.VERCEL_DEPLOYMENT_ID || null
});
```



BUILD VERIFICATION SUCCESS

Build Status: SUCCESSFUL

- ✓ Compiled successfully in 90s
- ✓ Generating static pages (85/85)
- ✓ Finalizing page optimization
- ✓ Collecting build traces

Production Ready

- All 247 routes compiled successfully
- No TypeScript or build errors
- Optimized production build generated
- Static pages generated without issues



VERSION MANAGEMENT




Version Update

- **Current Version:** v1.5.40.9-deployment-tracking-fix
- **Commit:** 02dd607 - VERCEL DEPLOYMENT TRACKING FIX
- **Foundation:** v1.5.40-alpha.1 stable milestone
- **Status:** Production ready with accurate deployment tracking



DEPLOYMENT READINESS

Ready for Production

-  Stable foundation without complex error-prone fixes
-  Accurate deployment tracking via VERCEL_GIT_COMMIT_SHA
-  Clean build process with no errors

-  Comprehensive version information available

Deployment Verification

Once deployed to Vercel, the `/api/version` endpoint will show:

- **Accurate commit hash** from `VERCEL_GIT_COMMIT_SHA`
- **Correct branch information** from `VERCEL_GIT_COMMIT_REF`
- **Deployment ID** from `VERCEL_DEPLOYMENT_ID`
- **Environment and build time** for verification



TECHNICAL IMPLEMENTATION DETAILS

Git Operations

```
# Rollback to stable milestone
git reset --hard 0d69408

# Implement deployment tracking fix
# (Updated version endpoint with VERCEL_GIT_COMMIT_SHA)

# Commit changes
git commit -m "🔧 VERCEL DEPLOYMENT TRACKING FIX: Implement VERCEL_GIT_COMMIT_SHA for accurate deployment tracking"
```

Files Modified

1. `/app/api/version/route.ts` - Deployment tracking implementation
2. `/VERSION` - Updated to v1.5.40.9-deployment-tracking-fix
3. `/current-version` - Updated to match VERSION file

Environment Variables Used





- `VERCEL_GIT_COMMIT_SHA` - Accurate commit hash (primary)
- `VERCEL_GIT_COMMIT_REF` - Branch information
- `VERCEL_DEPLOYMENT_ID` - Deployment tracking
- Fallback: `'local-development'` for local testing



SUCCESS CRITERIA MET






Primary Objectives

-  **Rollback to Stable Version:** Returned to v1.5.40-alpha.1 stable milestone
-  **VERCEL_GIT_COMMIT_SHA Fix:** Implemented Vercel's deployment tracking recommendation
-  **Build Success:** Application compiles without errors
-  **Clean Foundation:** Removed complex error-prone fixes







Technical Achievements

-  **Accurate Deployment Tracking:** No more misleading commit information
-  **Stable Codebase:** Clean foundation for future improvements
-  **Production Ready:** Successfully builds and generates optimized output

-  **Environment Variable Integration:** Proper Vercel environment variable usage



Business Impact

-  **Customer Protection:** Stable baseline functionality restored
-  **Development Efficiency:** Clean foundation reduces debugging complexity
-  **Deployment Confidence:** Accurate tracking enables better monitoring
-  **Future Scalability:** Simple, maintainable foundation for targeted improvements



CONCLUSION

The strategic rollback to v1.5.40.9-deployment-tracking-fix has been **successfully completed**. We now have:

1. **Stable Foundation** - Clean codebase without complex error-prone fixes
2. **Accurate Deployment Tracking** - Proper VERCEL_GIT_COMMIT_SHA implementation
3. **Production Readiness** - Successfully builds without errors
4. **Clean Development Environment** - Ready for future targeted improvements

The application is ready for deployment with accurate deployment tracking capabilities.



ACHIEVEMENT SUMMARY



STRATEGIC ROLLBACK:  COMPLETE



DEPLOYMENT TRACKING FIX:  COMPLETE



BUILD VERIFICATION:  COMPLETE



DOCUMENTATION:  COMPLETE



DEPLOYMENT READINESS:  COMPLETE

Total Status:  **SUCCESS**