

# AutoRouteLogger Integration Guide

## Purpose

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AutoRouteLogger logs all screen navigations automatically (push, pop, replace).

- Provides route-level visibility in adb logcat.
- Minimal setup, no changes in navigation code required.
- Logs prefix example: FLUTTER\_ROUTE: PUSH -> LoginPage | From -> null

## Add AutoRouteLogger File

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Create file: lib/utils/auto\_route\_logger.dart

## Key Features:

- Implements NavigatorObserver
- Overrides didPush, didPop, didReplace
- Uses \_extractName() to get route/widget name

## \_extractName Function

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- Returns route.settings.name if available
- For initial route '/', converts MaterialPageRoute builder widget to type
- Fallback: route.runtimeType.toString()

## Viewing Logs

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Run on device:

adb logcat | grep "FLUTTER\_ROUTE"

## Sample output:

FLUTTER\_ROUTE: PUSH -> LoginPage | From -> null

FLUTTER\_ROUTE: REPLACE -> LoginPage WITH -> WelcomePage

FLUTTER\_ROUTE: POP -> WelcomePage | Back To -> LoginPage

## Notes

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- Works with named routes & MaterialPageRoute

- Logs initial screen correctly
- Developers do not need to change existing navigation code
- Optional: extend `_extractName()` to log arguments or timestamps