

# ### IMPACT ANALYSIS REPORT

## ***Summary / Reasoning:***

The revamp of transaction posting logic will directly impact the transfer limit check and transaction posting trigger in ModuleA. Additionally, it will also impact the fraud risk scoring in ModuleB, ledger posting in ModuleC, and notification services in ModuleD.

## ***Modules Impacted:***

- ModuleA (Transfer Service) → Features: transfer\_limit\_check, transaction\_posting\_trigger
- ModuleB (Risk & Compliance) → Features: fraud\_risk\_scoring
- ModuleC (Core Banking System) → Features: ledger\_posting
- ModuleD (Notification Service) → Features: send\_sms\_notification, send\_push\_notification

## ***Files / Regression Areas Impacted:***

- services/TransferService.js
- utils/LimitValidator.js
- risk/FraudEngine.py
- core/LedgerPosting.java
- notify/SMSService.js
- notify/PushService.js

## ***Risk Level: High***

## ***Recommended Test Cases:***

- Test transfer limit validation
- Test transaction posting trigger
- Test fraud risk scoring
- Test ledger posting
- Test SMS notification
- Test push notification

## ***Code Hotspots:***

- services/TransferService.js:checkLimits()
- services/TransferService.js:initiateTransactionPosting()
- risk/FraudEngine.py:calculateRiskScore()
- core/LedgerPosting.java:postTransaction()
- notify/SMSService.js:sendSMS()
- notify/PushService.js:sendPush()