**Root Cause Analysis of Test Failures & Remediation Plans**

* **Purpose**: Continuous improvement by analyzing failed test cases.
* **Format**:
  + Failure summary table (Test ID, Environment, Root Cause, Fix Timeline)
  + Visual cause-effect trees (e.g., data pipeline race conditions, timeout issues in SDN flow updates)
* **Remediation Strategy**:
  + Agile bug-fix sprints logged via GitHub/JIRA
  + Regression test hooks added post-fix
* **Sample Finding**:

“Intermittent API latency traced to queue overload in Kafka ingestion service — resolved via rate-limiting policy.”