Data Ingestion Agent Data File IDEA _Raw txns + Rule hits_ **IWatchRA** Apache NiFi Raw Transaction and Agent DB **Rule Hit Data** Agent Cache Warmer CDC PostgreSQL Cassandra **Data Transformation** Formated Report Data *UI Enrichment Reporting Data Aggregator (Apache NiFi) -6 (Maker/Checker) Record Enrichment Service Reporting Formats **Report Generation** —Failed Records— Failed Report Generator MTCN + Attempt Id Report Id Failure Reason Schema Failure Validation **Process** Service Status - Failed/Queued/Processed Bloom Filter Reporting Service PostgreSQL Reporting Formats Audit Service Audit Data Notification Notification Service Reports CSV, XML, DAT Cassandra