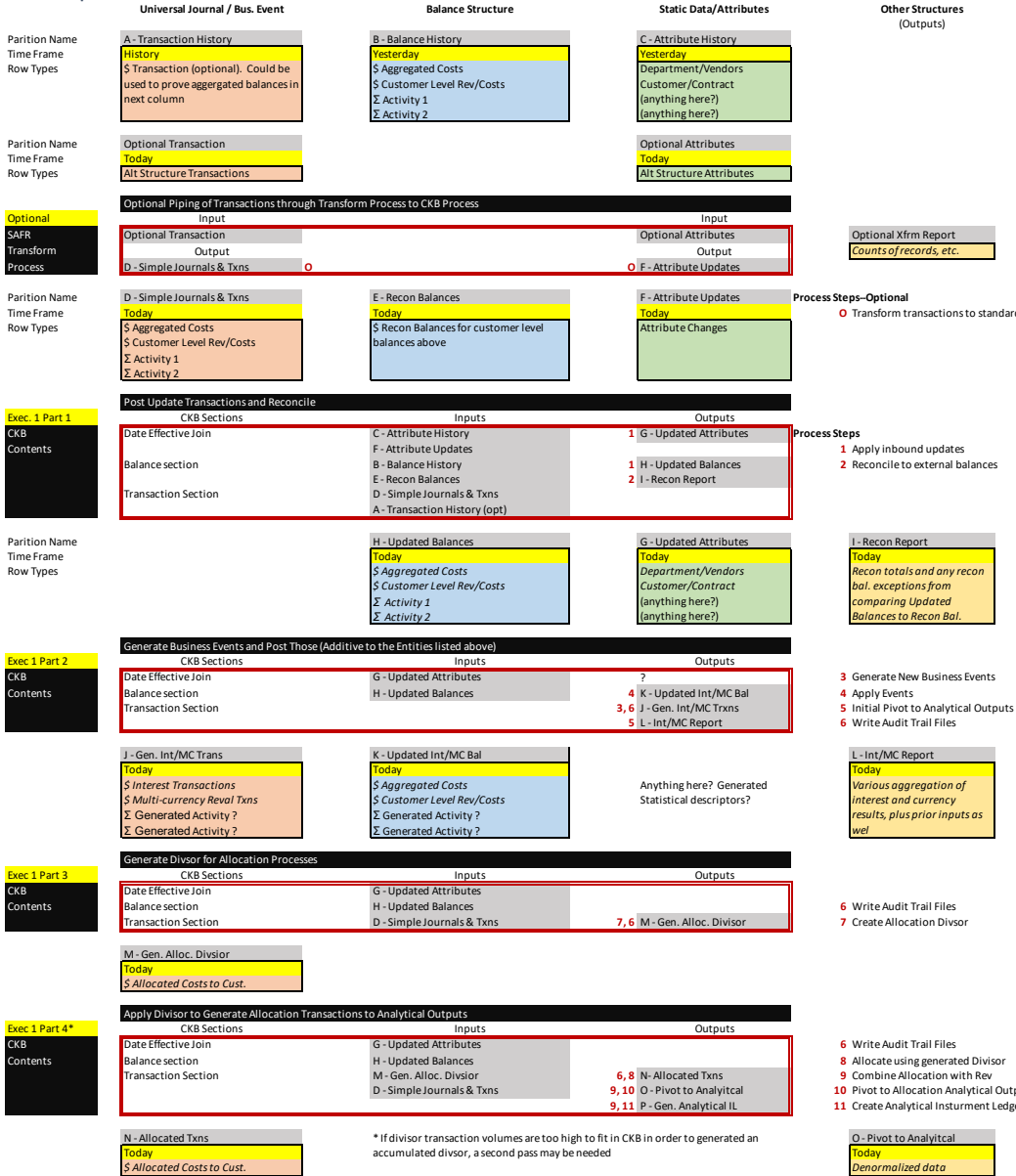


SAFR on Spark Demo Definition



This chart outlines a proposed sample processing model for a combined

(a) transaction posting to Instrument Ledger process. Transactions need not simply be accounting transactions, but can be customer, risk, MIS or statistical transactions, plus

(b) required financial processes such as consolidations/eliminations, currency revaluation, etc. (these processes could include non-accounting processes for risk such as loan loss reserve calculations, or MIS such as funds transfer pricing)

(c) calculation of allocation basis from any statistics, etc

(d) application of basis against allocation targets

(e) Reporting file output

The required three basic input LRs, represented by the columns are A- Universal Journal (effectively SJE's), B- Balances, (JSF), and C-Attributes, (SALs). It would then have the following major phases (possibly all done within a single SAFR piping and CKB process):

(Optional) An optional ARE like process to convert formats of SJE's and SALs into standard format, piped into the CKB process

Part 1 Updating balances with transactions, and SALs with net change records in SAL records

Part 2 Generate and apply new transactions off of updated balances (example would calc Interest and Multi Currency Reval transactions)

Part 3 Create a divisor for an allocation process from detailed transactions, creating a allocation trigger record with the value to be used in the allocation step

Part 4 Apply divisor to transactions for allocation, and generate multiple outputs from all the preceding data in

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