Aggregate System Data

# Actors

DDC Reporting Engine

DDC System

# Activities

## 1. Extract raw metrics from OLTP/ODS

This step extracts the raw metrics from the transaction systems.

## 2. Transform metrics

Transform the metrics from the OLTP format to a canonical format.

## 3. Transformation successful?

Decision node with two options:  
1. "Yes" -- transformation was successful, proceed.  
2. "No" -- transformation was unsuccessful, attempt repair.

## 4. Correct data

This functions as a data hospital, correcting errors according to a predefined set of rules.

## 5. Aggregate data collected

This step consolidates and aggregates the collected data, computing various metrics as required.

## 6. Notify Data Ops

Notify data operators about the errors encountered during the transformation.

## 7. Get additional data from DDC

Data must be enriched with additional data sets from the DDC.

## 8. Generate data requested

DDC replies back with requested data sets.

## 9. Load data into DSS

Final step in the process is to load the data into the Decision Support System.

# Preconditions

None

# Postconditions

None