Collect System Data

# Actors

SWAN

DDC System

# Activities

## 1. Get the system list

Either accept a system list as parameter or retrieve it.

## 2. Connect to system

Connect to a system such as Rosetta and others in order to gather logs.

## 3. Gather raw data

Collect the raw metrics from the target system.

## 4. Validate data

Validate the data that came back from the system. This would include semantic as well as syntactic validation.

## 5. Data valid?

Decision node with two choices:  
1. "Yes" -- data is valid, proceed.

2. "No" -- data is invalid, send to data correction

## 6. Attempt correction

Correct data according to a pre-defined set of rules.

## 7. Consolidate data

Consolidate the data metrics into descrete data sets prior to insertion.

## 8. Dispatch data to reporting engine

Send the data metrics to the transaction logging system.

## 9. More systems?

Decision node with two choices:  
1. "No" -- no more systems, end.  
2. "Yes" -- yes, more systems require data collection, loop back.

# Preconditions

There exists a list of systems to collect data from.

# Postconditions

Newly gathered data has been inserted into the reporting engine.