Loader monitoring

# Problem Statement

An automated process to start new instance of Loader when it is required.

# Requirements

Following are the requirements.

* Calculating the performance & environment indicator to decide when new instance is required.
* Starts a new instance of Loader, when it is required.

# Possible Indicators

Increasing number of files in outbox folder

# Solution

If number of files in outbox folder remains higher than zero (n>0) after particular time interval (t). New instance needs to be started.

# Proposal

An application which monitors the outbox folder after each time interval, and calculates the number of files in the folder. The application may have following settings:

* Time interval (seconds): After how many seconds application needs to check the out box folder.
* Data collection frequency: How many times data to be collected to make decision (or start new instance of Loader)
* Offset value: the number of files can be ignored
* Outbox folder path: path of Outbox folder
* Loader path: Path of the loader application (Loader.exe)

If the decision is taken to start a new instance, the application will invoke a new instance of loader application.