The invention relates to a method and system for processing data for database modification comprising receiving a set of data performing a processing chain comprising a plurality of consecutive jobs to transform the set of data into transformed data modifying a production database with respect to the transformed data and further comprising the steps of setting a target processing time for the performance of the consecutive jobs before a launch of a first job applying an original configuration as current configuration defining a parallelization level for each of the consecutive jobs before a launch of at least one further job after the first job upon an actual remaining processing time being out of a range of acceptable remaining processing times applying an adapted configuration as new current configuration defining an adapted parallelization level for each of the jobs remaining in the processing chain said adapted configuration differing from the current configuration. Application to integration of large volumes of data into databases.