# Generic-Batch-Processor-using-Akka.NET

” Building a concurrent, remote and Distributed System for batch processing which is fault tolerant and can scale up or scale out using Akka.NET (based on actor model)”.

Generic Batch Processor using Akka.NET

A generic batch processor is used for dividing parallel work to multiple actors on the same machine, remote machine as well as on distributed network.

Batch Processor workflow

Executer

Commander Actor

Job Pool Controller Actor

assign task to commander

Worker Actor

Coordinator Actor

router

Execute external program to perform Task

Job Scheduler

assign task to worker

Schedule job from pool every after 10 sec

Send acknowledgement

Send response

Send response to update status

Call external program exe to perform task

Job Manager