# **Task**

- Task
- Phase
- State

#### Task

A task contain partial job information such as data split, etc. in order to accomplish a job.

### Phase

A single task phase.

- STARTING: Initial phase
  COMPLITE: Within ben/)
- COMPUTE: Within bsp()BARRIER\_SYNC: Reaching sync().
- CLEANUP: Finish entire supersteps execution.

## ? Unknown Attachment

## State

This only indicate a task state.

- UNASSIGNED: Initial state of a task.
- RUNNING: Only valid when a task is either in **COMPUTE** or in **BARRIER\_SYNC** phase.
- SUCCEEDED: A task completes its execution at the end of CLEANUP phase.
- FAILED: An exception or an error occurrs.
- KILLED