

SIMULTANEOUS HYBRID EXECUTION

ABSTRACT

The invention relates to a computer-implemented method for managing execution of a task on a trained machine learning model configured on one or more compute instances in a distributed computing network. The invention also relates to an apparatus comprising means for carrying out the method and a computer program comprising instructions which, when executed by a processor, cause the processor to perform the method. The method comprises obtaining task-specific information about the task, including data sensitivity information of the task and task complexity information, obtaining one or more compute instance characteristics associated with each of the one or more compute instances, the compute instance characteristics including a data sensitivity capability and a task complexity capability of the compute instance, selecting a compute instance of the one or more compute instances for executing the task based on the task-specific information about the task and on the one or more compute instance characteristics, and executing at least part of the task on the selected compute instance.

(Fig. 2)