Moving Code to Data

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In most Big Data Analytics scenarios, multiple commodity nodes possess large amount of data blocks to be processed for the given task. Now when the task binary code (i.e. function) is a first class citizen, instead of moving all large blocks of data to certain single computer where task binary code is loaded, it is advised if we have multiple copies of task binary code loaded to nodes where the data required data blocks are or remote method invocation/message passing interface.

It also takes benefit of locality of data/reference.

This is called moving code to data instead of traditional approaches where data was travelling.

Network bandwidth is immediate benefit of moving code to data.

Read more about "function as first class citizen"

Read more about "Lambda expression and functional programming support in Java8+"

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