

Mapper&Reducer

Hadoop MapReduce

File System (HDFS/Local FS)

Generic Block Device Driver

Host

Reducer

*ISC Hadoop MapReduce*

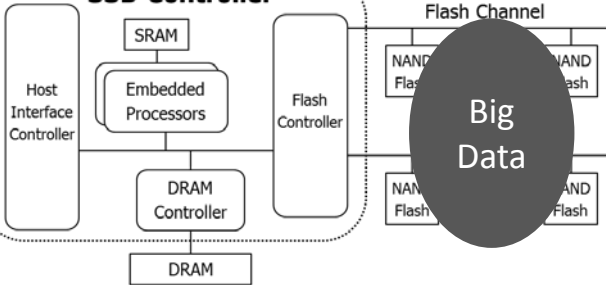
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*ISC Device Driver*



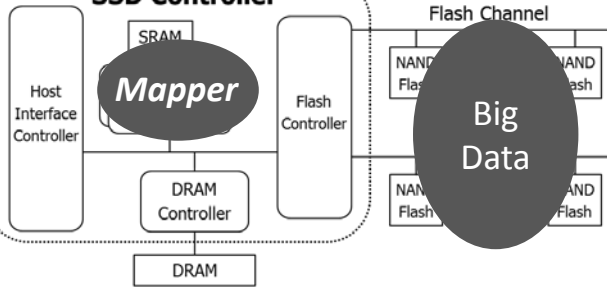
SSD

SSD Controller



Big  
Data

SSD Controller



Big  
Data

(a) Legacy Hadoop Architecture

(b) ISC Hadoop Architecture