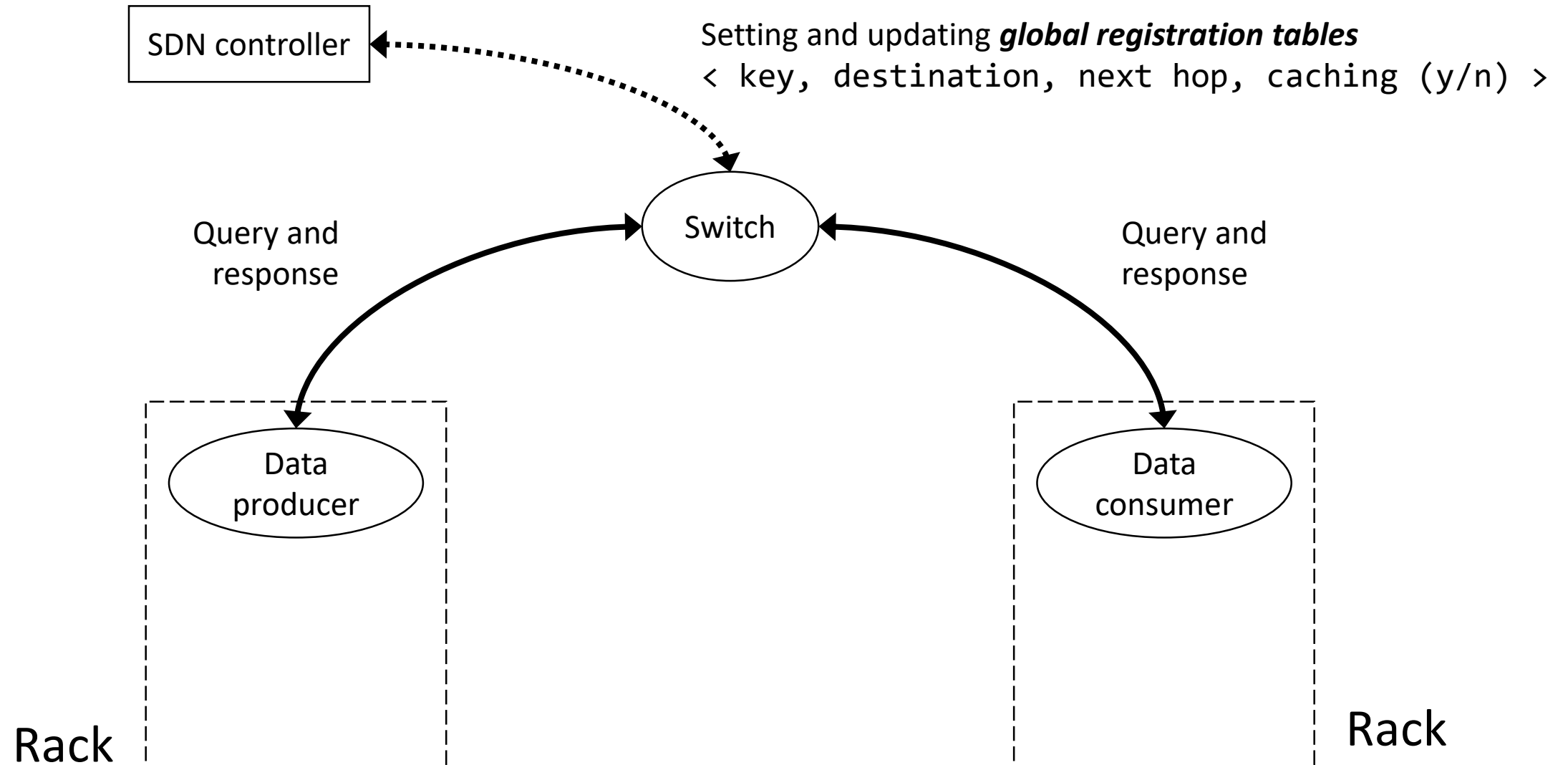


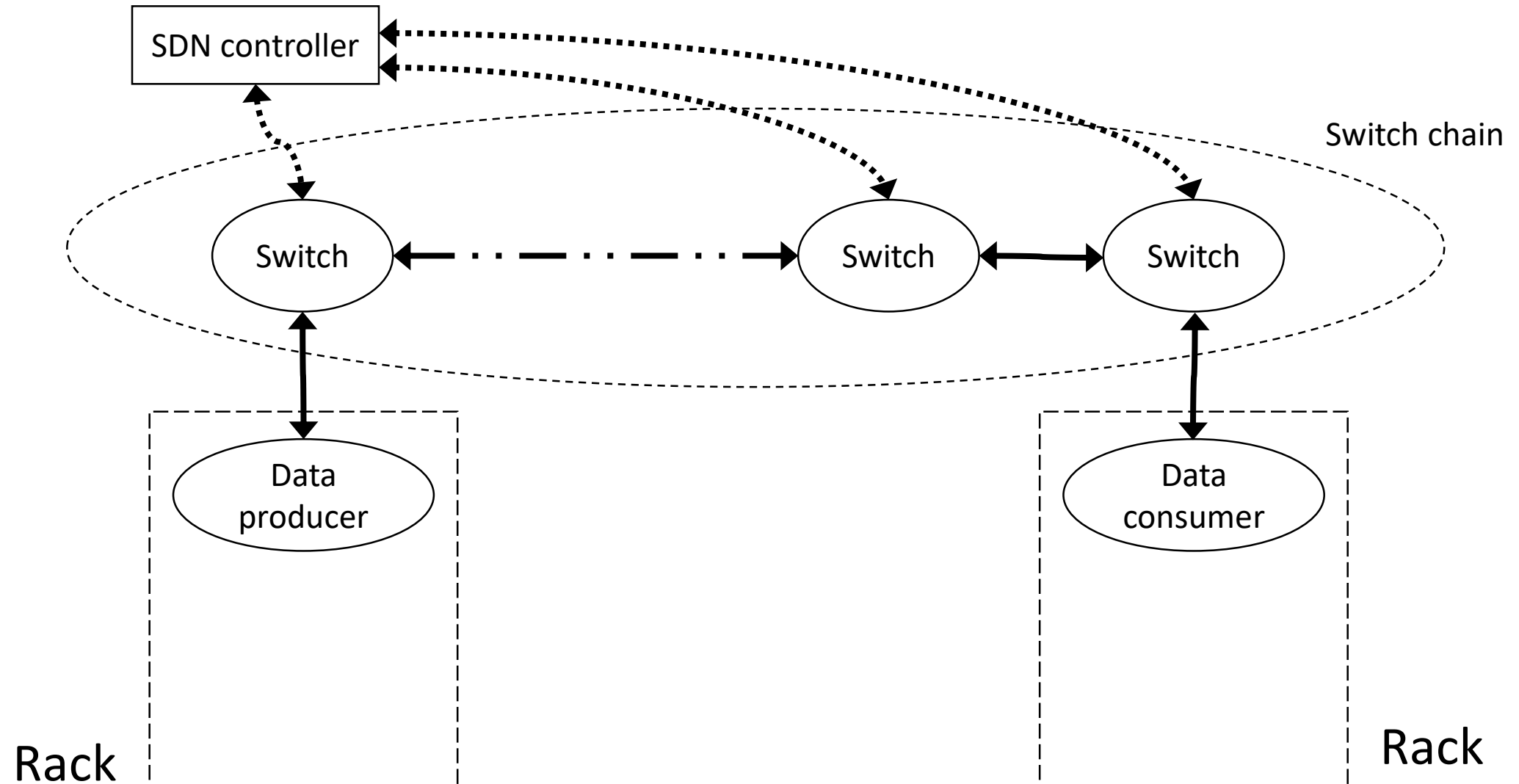
IncBricks: basic topology and entities

In-network caching system



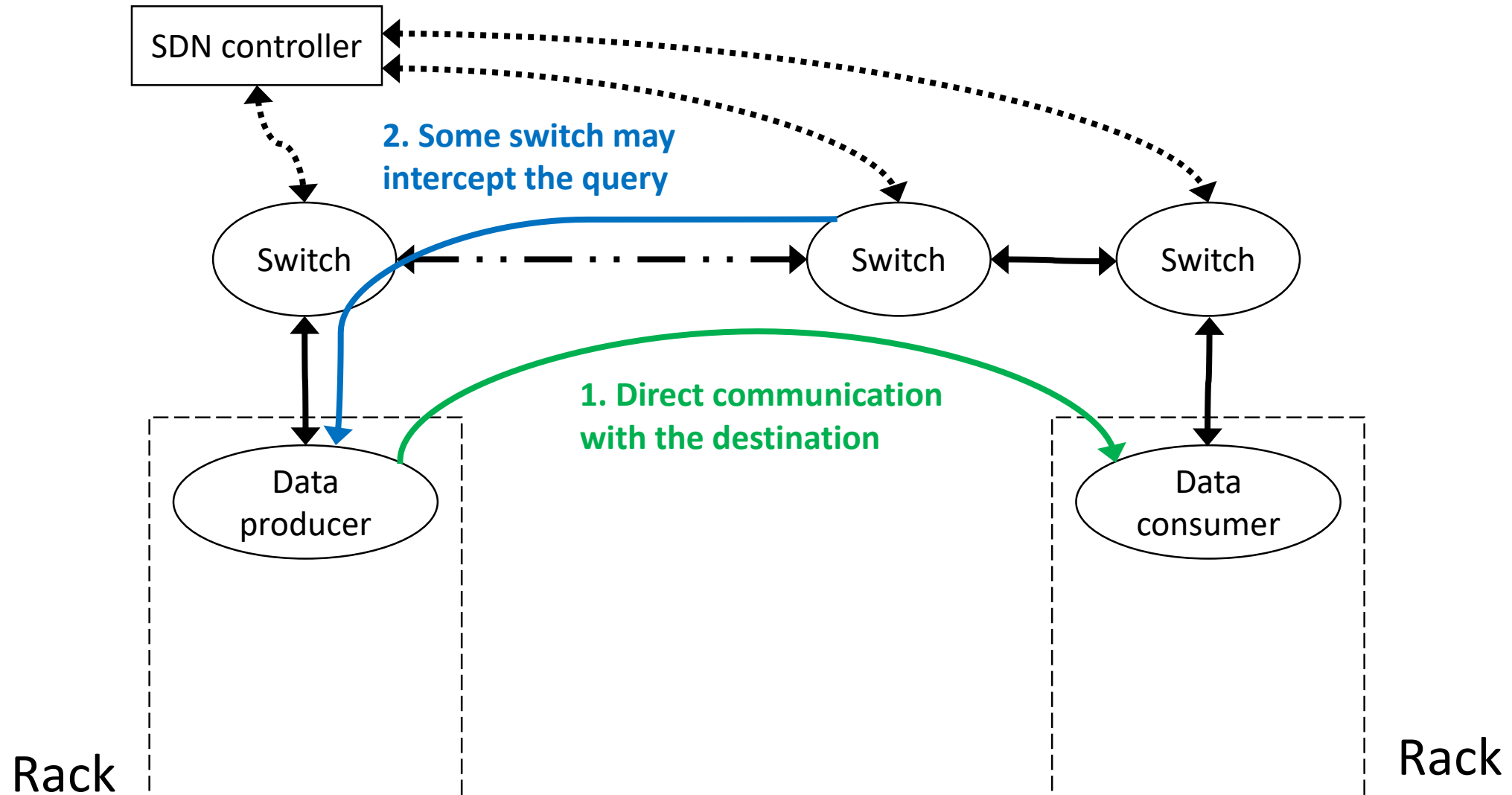
IncBricks: extended topology

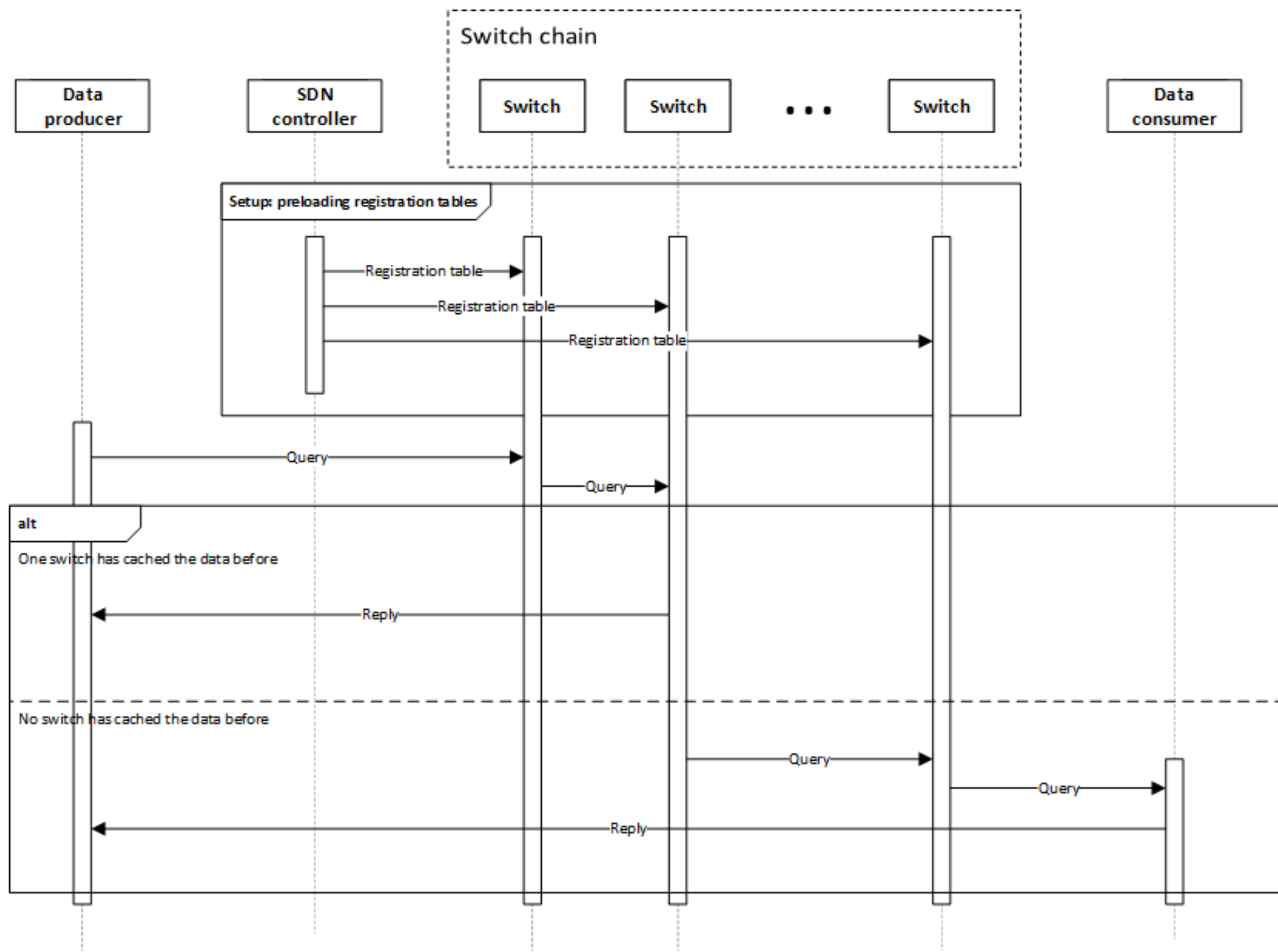
In-network caching system



IncBricks: logical communication pattern

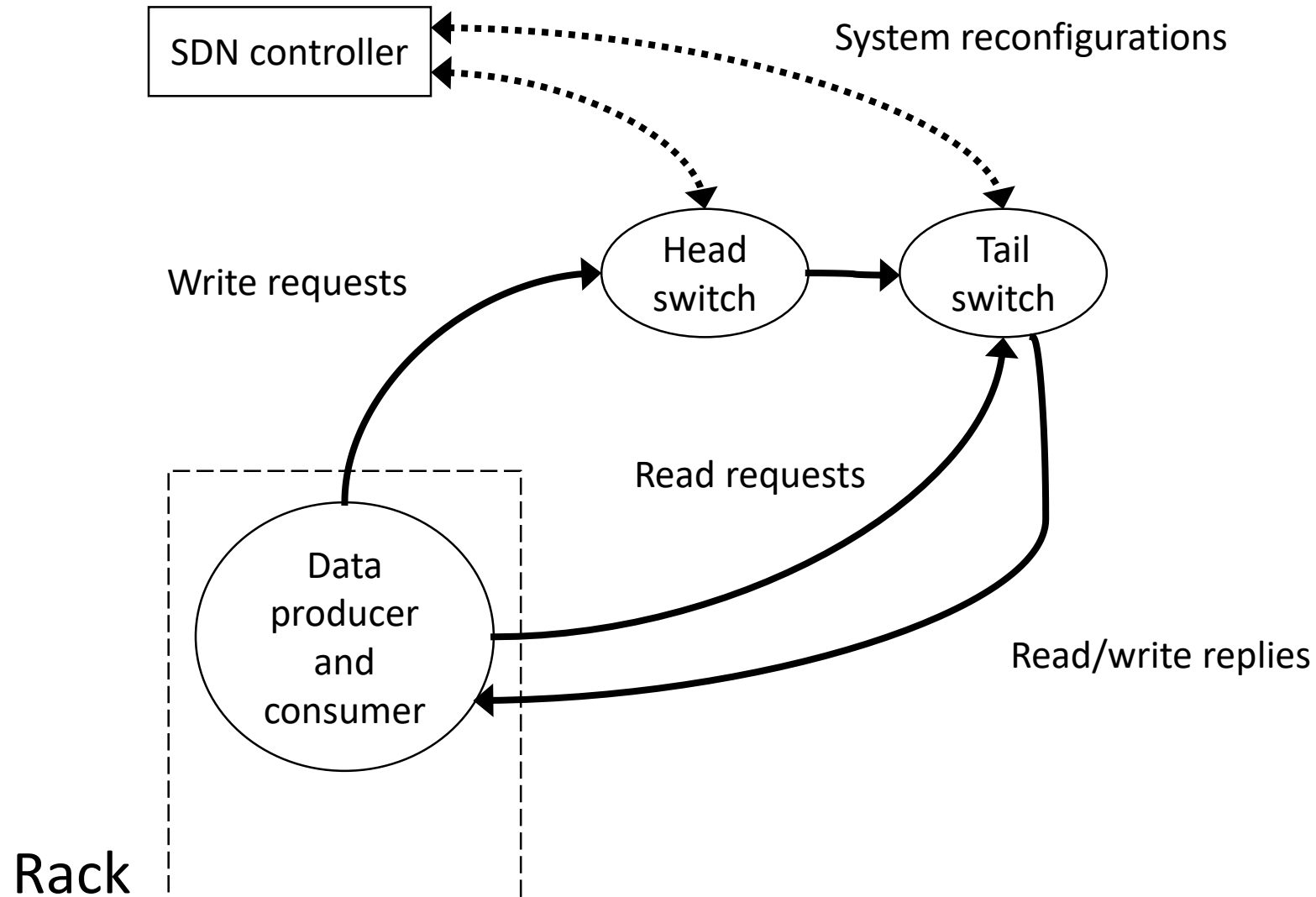
In-network caching system





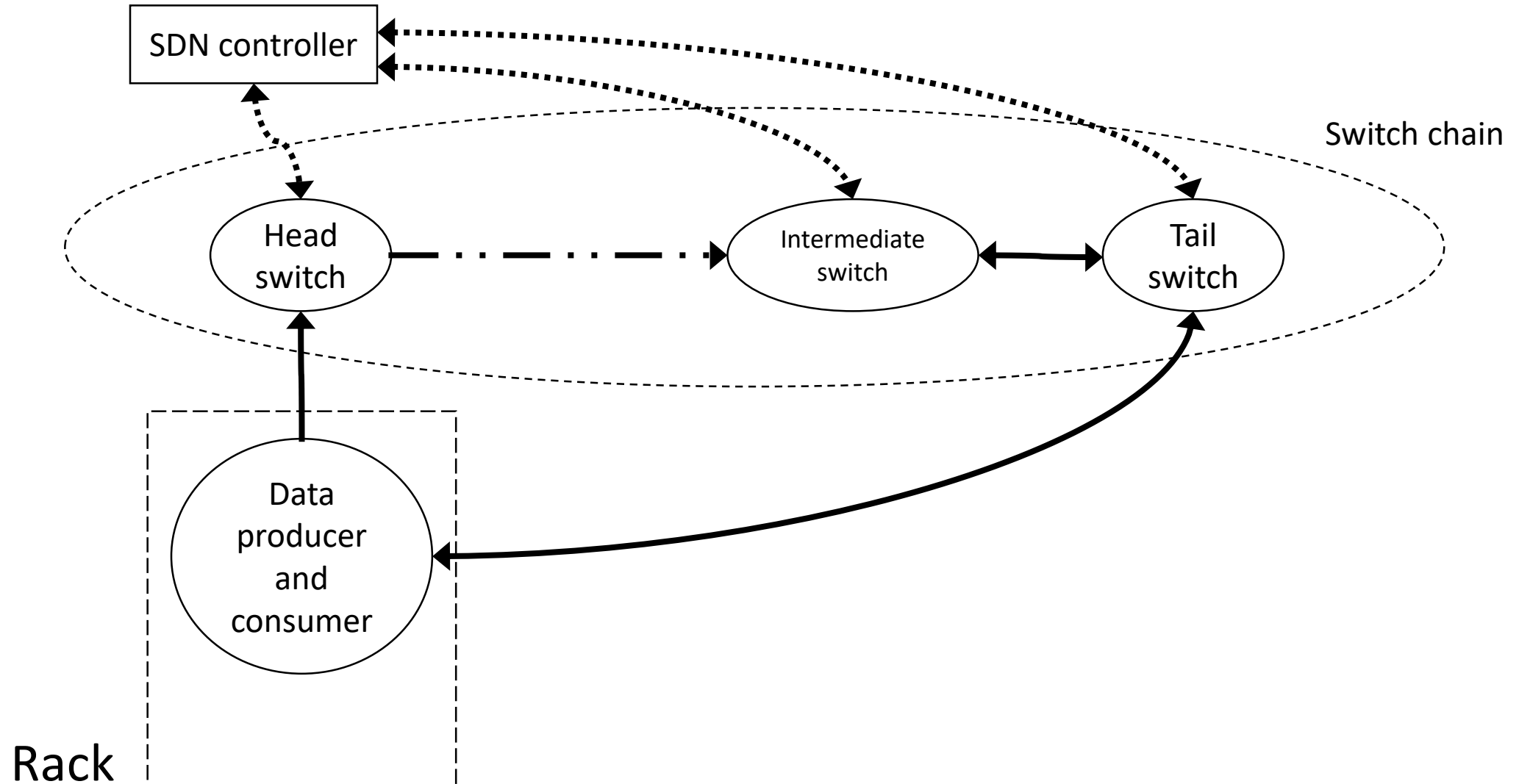
NetChain: basic topology and entities

In-network solution for coordination services



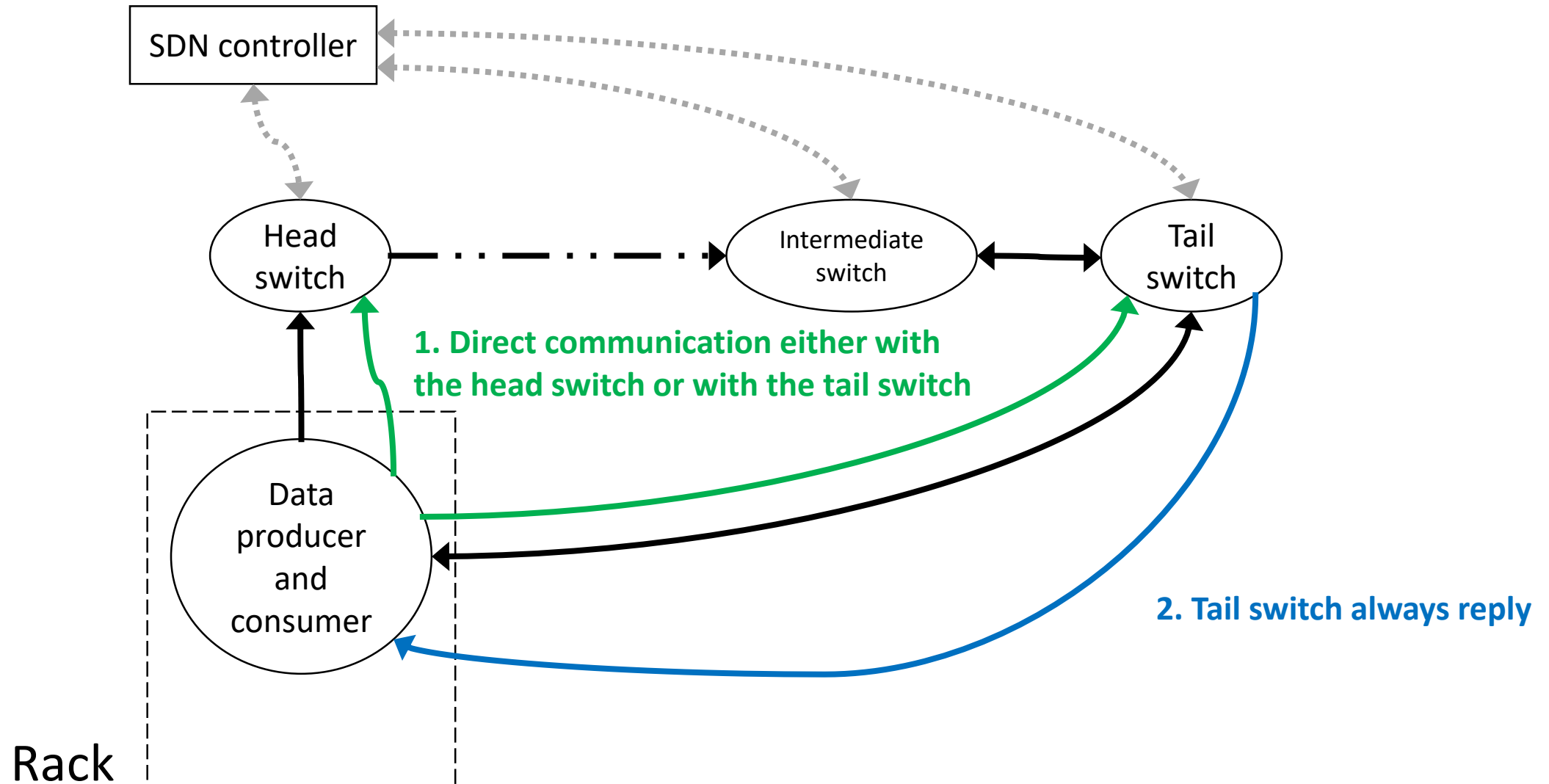
NetChain: extended topology

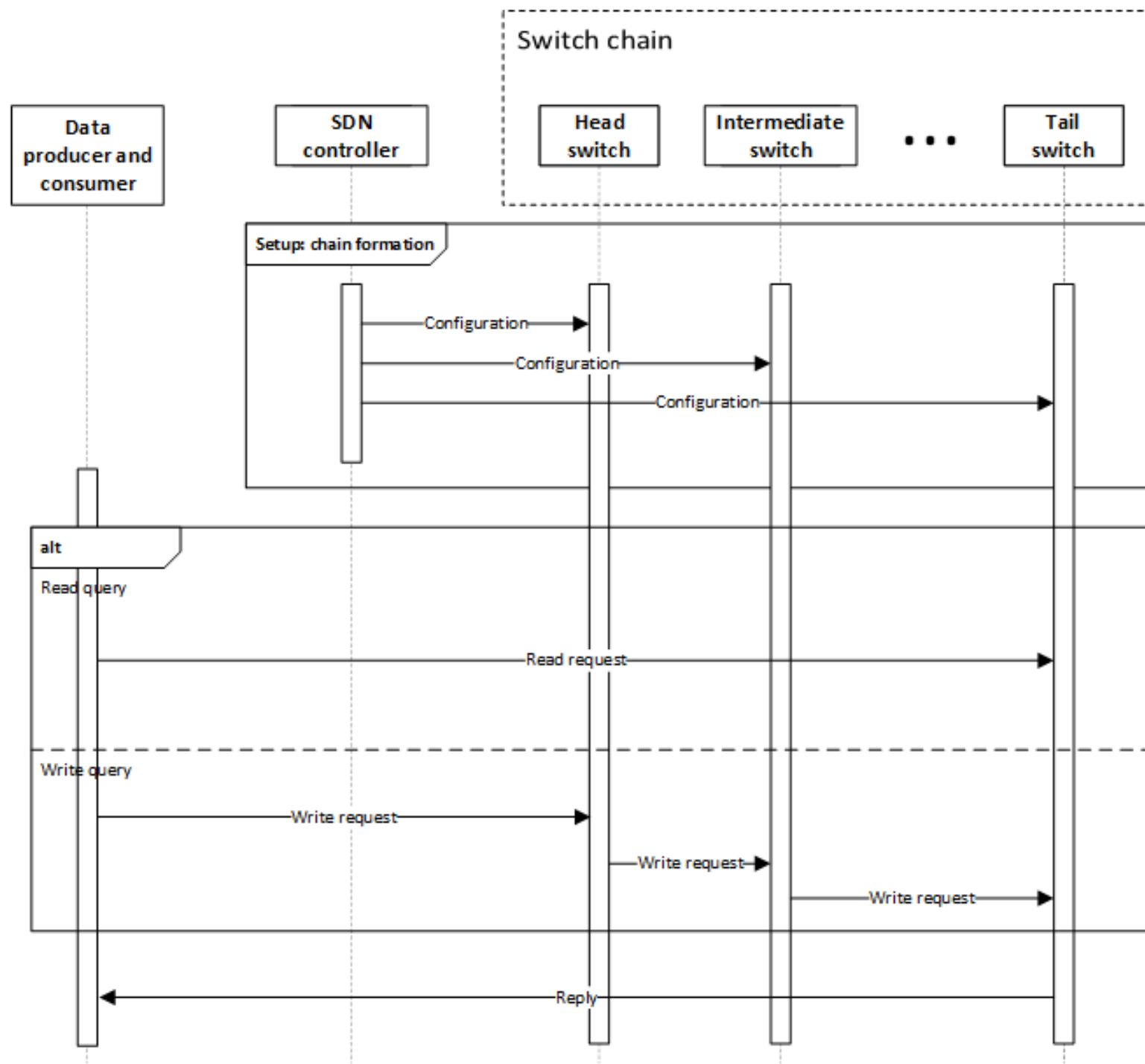
In-network solution for coordination services



NetChain: logical communication pattern

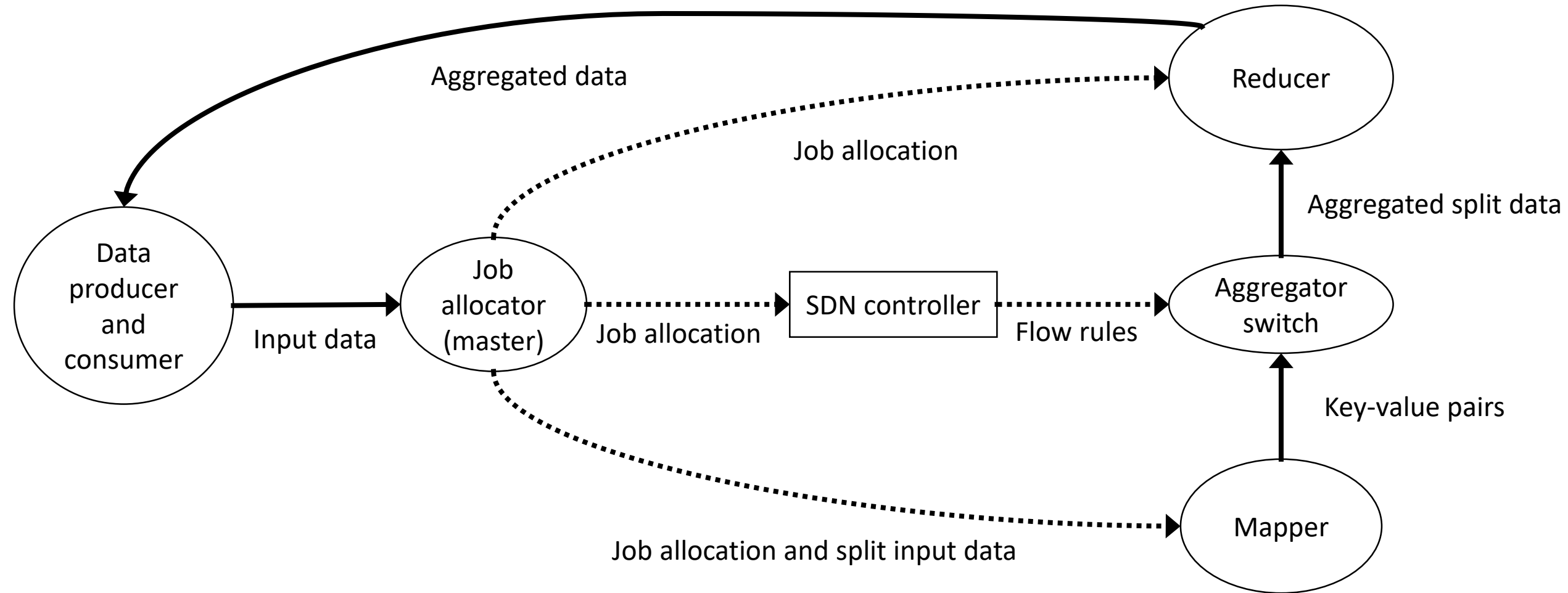
In-network solution for coordination services





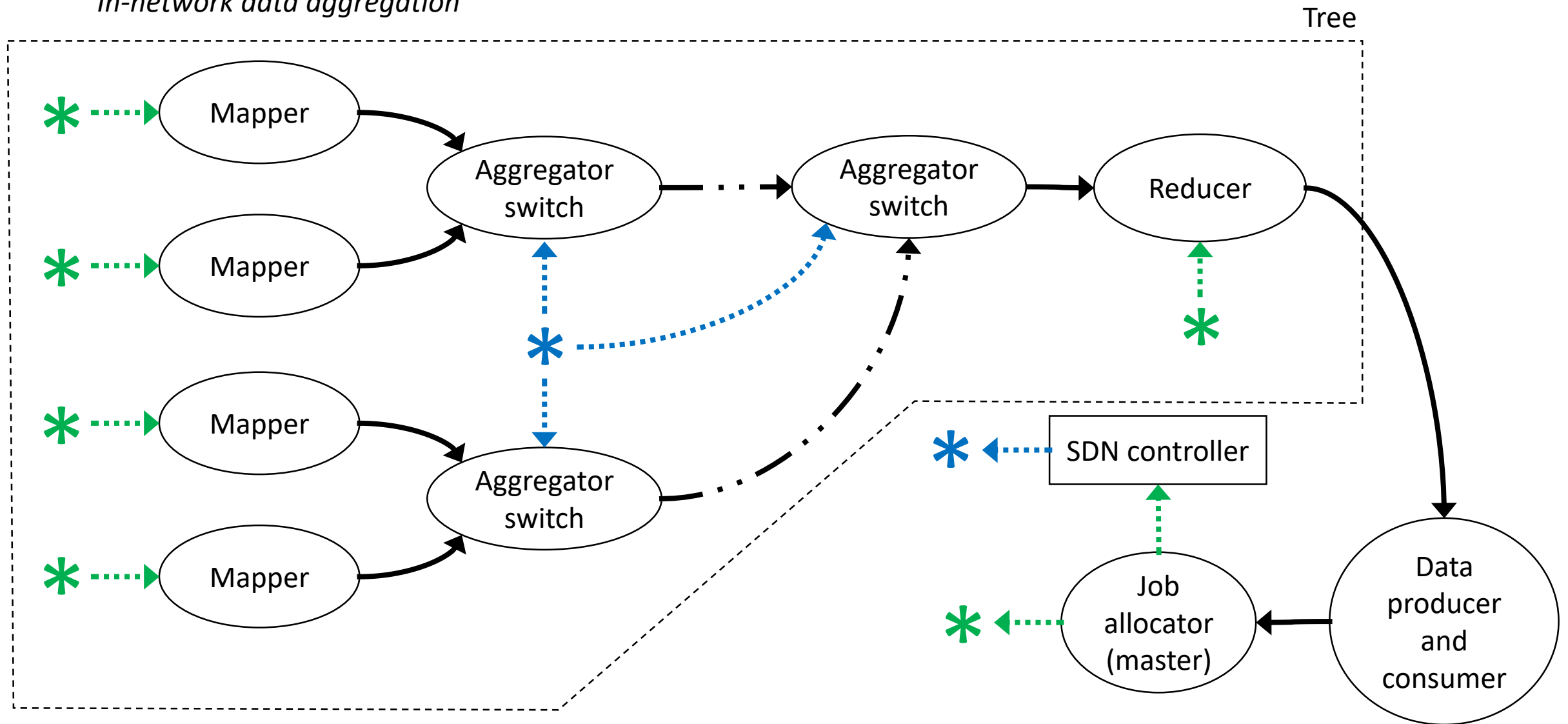
Daiet: basic topology and entities

In-network data aggregation



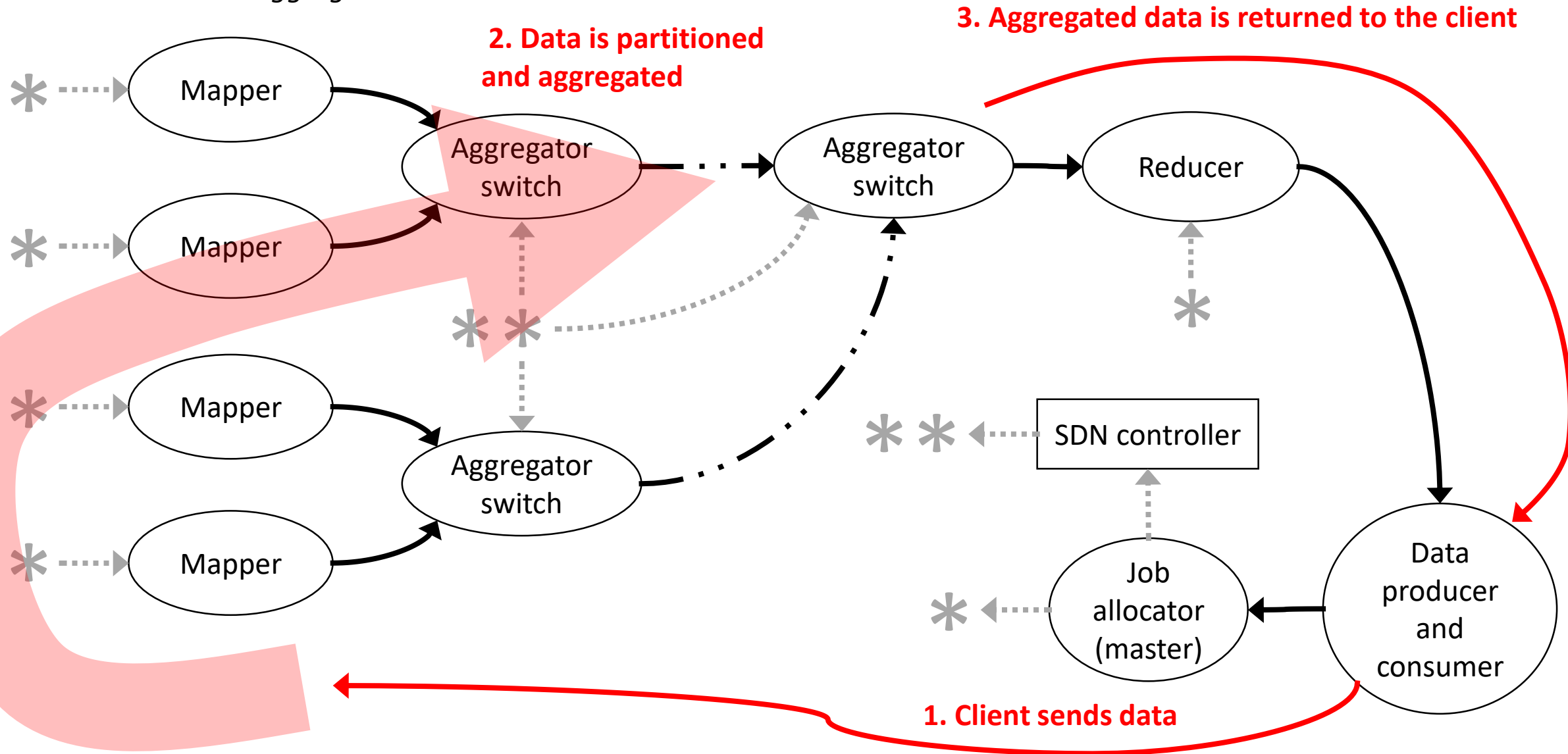
Dailet: extended topology

In-network data aggregation



Daiet: logical communication pattern

In-network data aggregation



Data
producer and
consumer

Job allocator
(master)

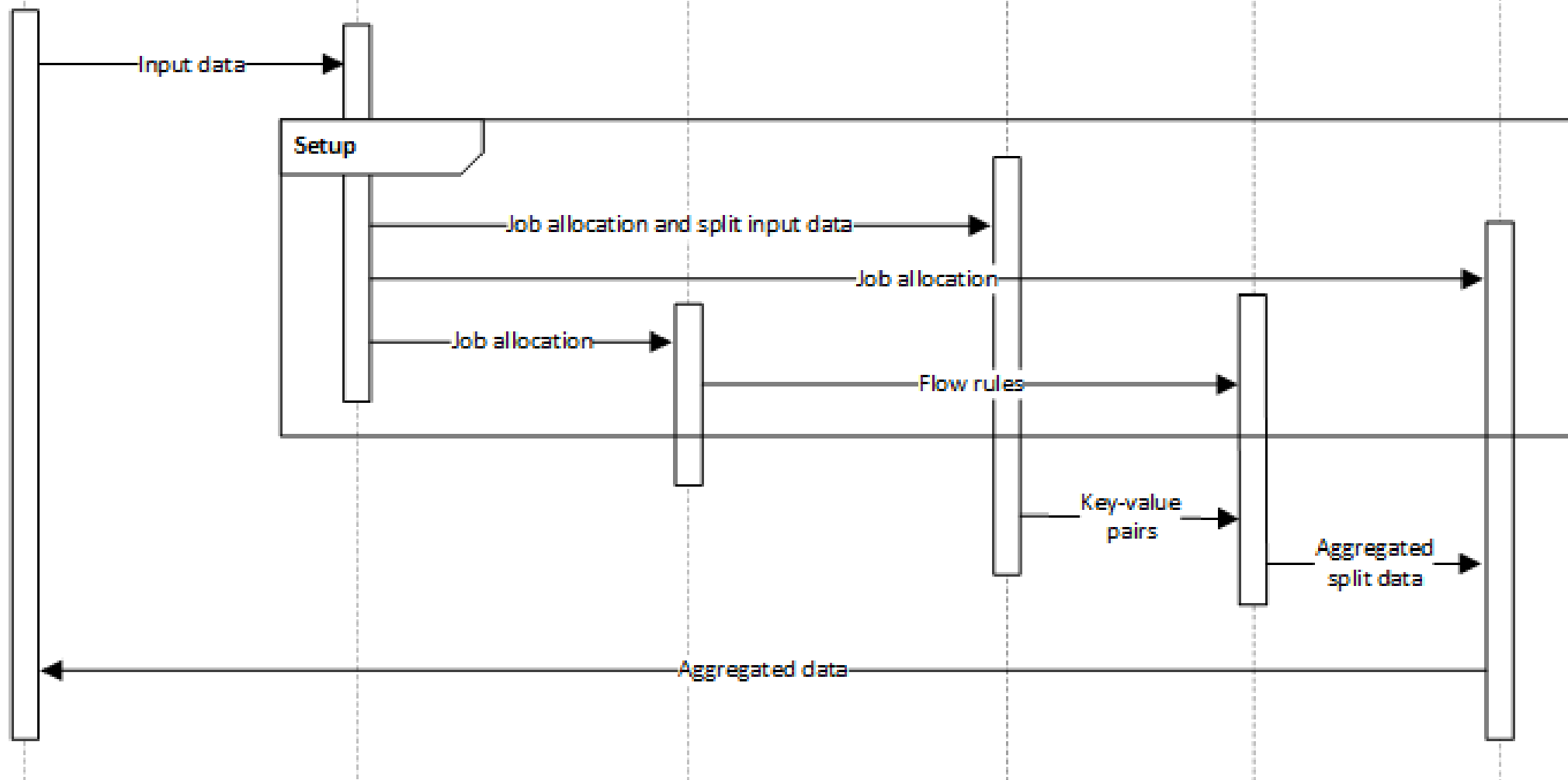
SDN
controller

Tree

Mappers

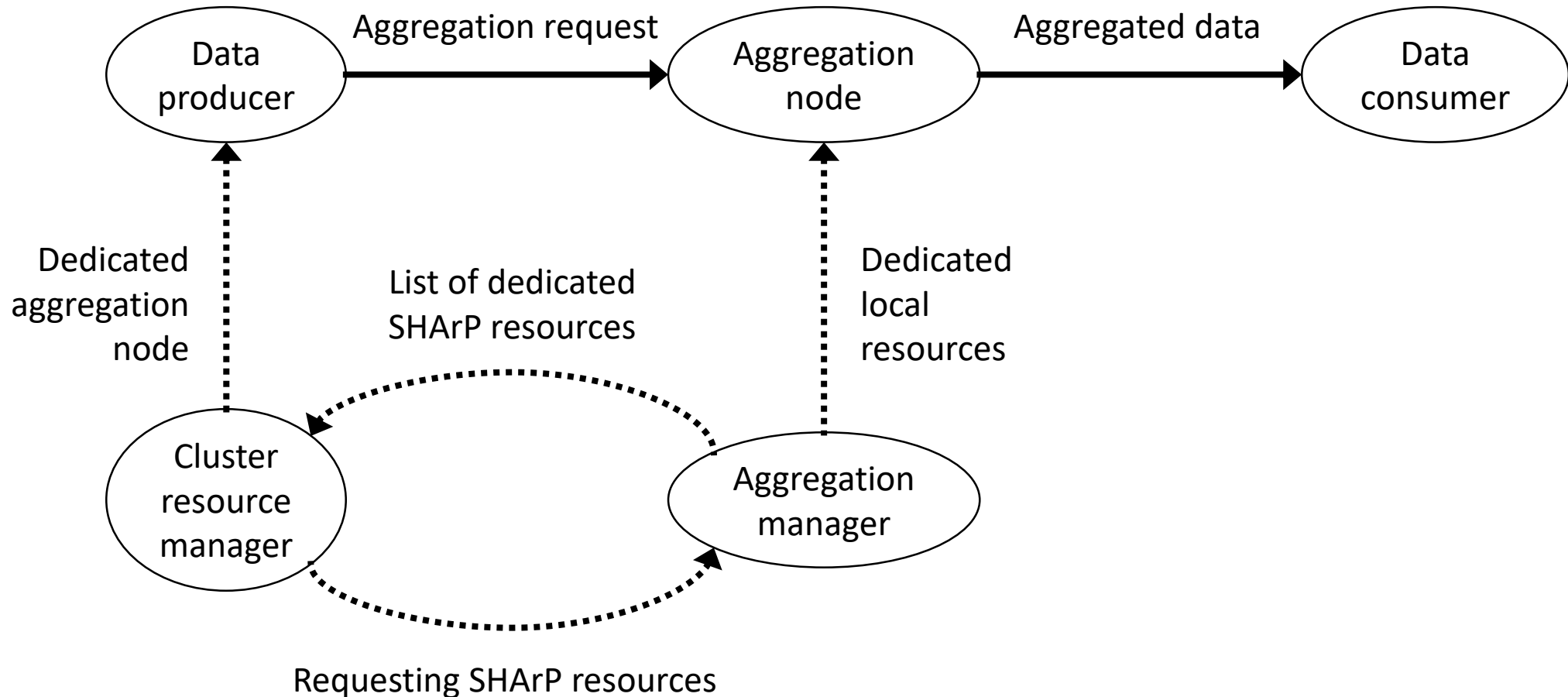
Aggregator
switches

Reducers



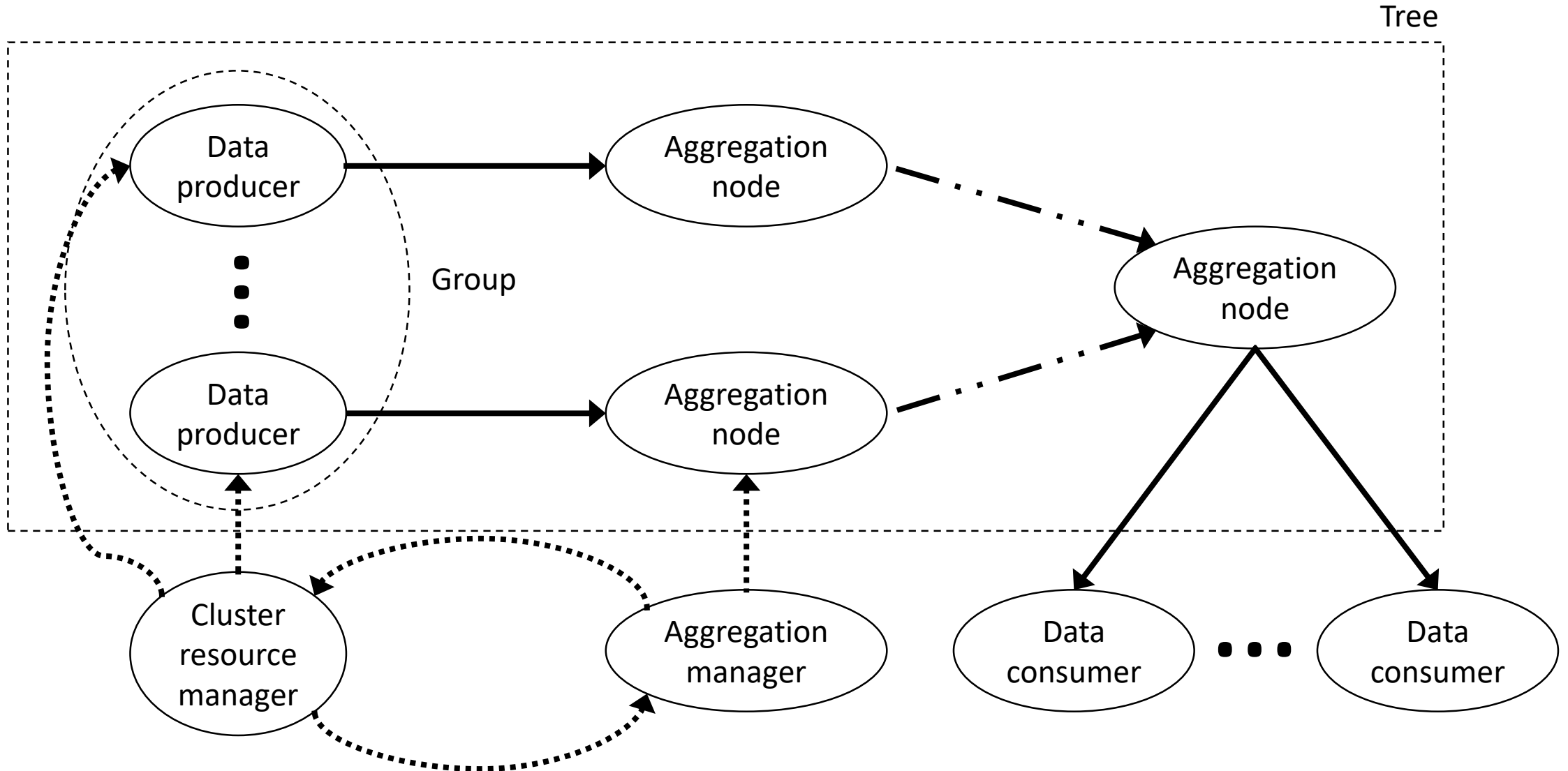
SHArP: basic topology and entities

Protocol for reduction operations



SHArP: extended topology

Protocol for reduction operations



SHArP: logical communication pattern

Protocol for reduction operations

