

Manager Job state Physical Tasks," Manager store Zookeeper State Passive Failover Task Scheduling Snapshots Metadata for Execution Manager Partitioning and Snapshots Snapshot Monitoring managed (heap I out-of-core) (b) The Flink System Architecture state

Client

stream.map(..).

..window(..)...

Optimised Logical **Dataflow Graph**

Managed Memory

Backpressure

Resource management

Task

(a) The Flink Software Stack