reduceByKeyAndWindow

reduceByKeyAndWindow() Overview

reduceByKeyAndWindow(*func, windowLength, slideInterval, [numTasks]*)

- When called on a DStream of (K, V) pairs, returns a new DStream of (K, V) pairs where the values for each key are aggregated using the given reduce function *func* over batches in a sliding window.

reduceByKeyAndWindow() additional features

reduceByKeyAndWindow(*func, invFunc, windowLength, slideInterval, [numTasks]*)

- Reduce value of each window is calculated incrementally using the reduce values of the previous window. Done by reducing the new data that enters the sliding window, and "inverse reducing" the old data that leaves the window.

- Note that checkpointing must be enabled for using this operation.