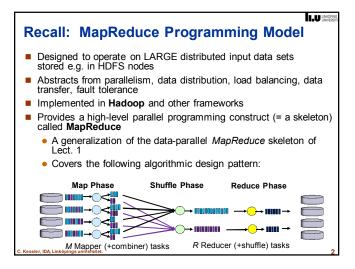
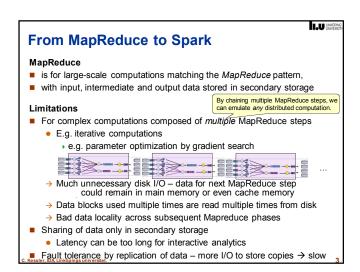
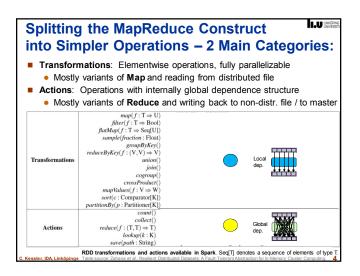
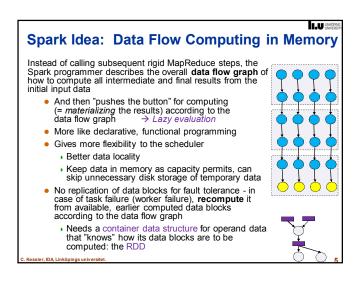


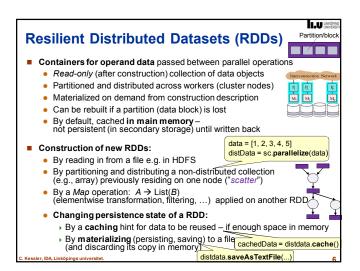
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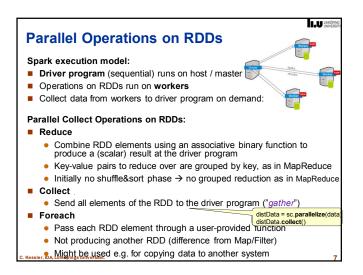


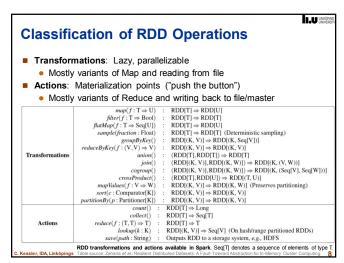


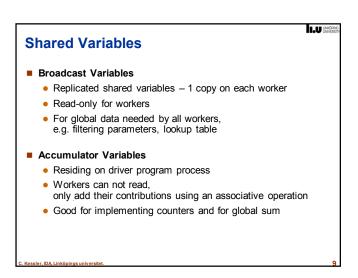


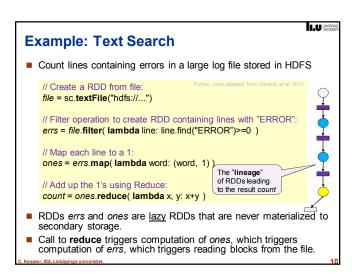


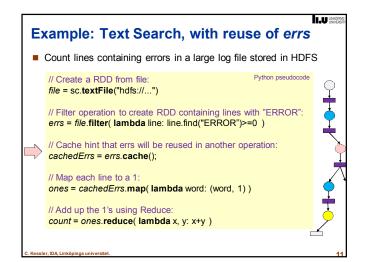


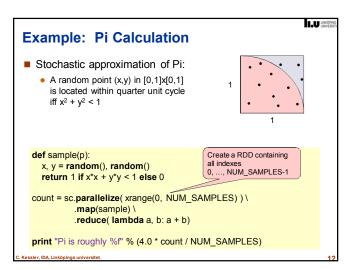


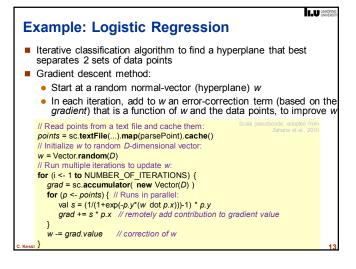


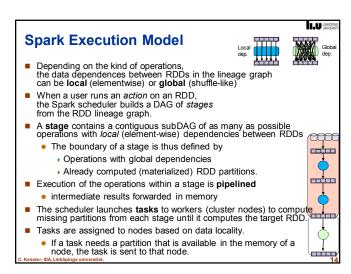


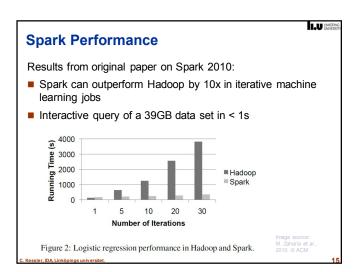


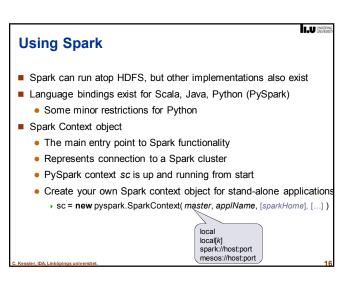


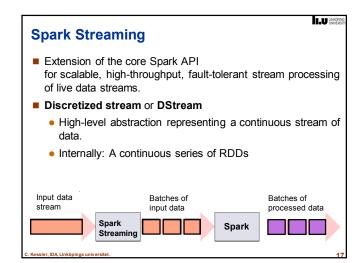












Transformations on DStreams

map(func), flatMap(func), filter(func) – return a new DStream with map etc. applied to all its elements

repartition(), union(other_stream)

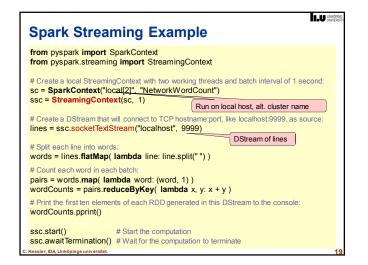
count() – returns a new DStream of single-element RDDs containing the number of elements in each RDD of the source DStream

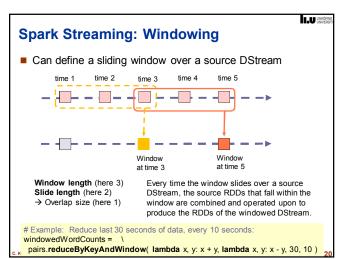
reduce(func), reduceByKey() – aggregate each RDD of the source Dstream and return a new Dstream of single-element RDDs

join (other_stream) – joins 2 streams of (K,V) and (K,W) pairs to a stream of (K,V,W)) pairs

transform(func) – apply arbitrary RDD-to-RDD function to each RDD in the source DStream

...





References

M. Zaharia, M. Chowdhury, M. Franklin, S. Shenker, I. Stoica: Spark: Cluster Computing with Working Sets. Proceedings of the 2nd USENIX conference on Hot topics in cloud computing (HotCloud'10), 2010, ACM.

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