



CLOUD COMPUTING APPLICATIONS

Writing the Storm Word Count Example

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Example: Word Count in Storm

```
Public static class SplitSentence extends ShellBolt implements IRichBolt {  
    //Code to split a sentence  
}
```

```
Public static class WordCount implements IBasicBolt{  
    //Code to count words; have to override the execute function  
    Public void execute(Tuple tuple, BasicOutputCollector collector){  
        //...  
    }  
}
```

Example: Word Count in Storm

```
TopologyBuilder builder = new TopologyBuilder();
builder.setSpout(1, new KernelSpout("kestrel.twitter.com",
                                   22133, "sentence_queue", new StringScheme(), 5);
builder.setBolt(2, new SplitSentence(), 8).shuffleGrouping(1);
builder.setBolt(3, new Word Count(), 12)
                                   .fieldGrouping(2, new Fields("word"));
```

Parallelism Degree
(Number of tasks for a spout or bolt)

Example: Word Count in Storm

```
StormSubmitter.submitTopology("word count", builder.createTopology);
```