

main.scala

```
import org.apache.spark.sql.functions._
import org.apache.spark.sql.SparkSession
import spark.implicits._

val spark = SparkSession
    .builder
    .appName("StructuredNetworkWordCount")
    .getOrCreate()

// Create DataFrame representing the stream of input lines from
// connection to localhost:9999
val lines = spark.readStream
    .format("socket")
    .option("host", "localhost")
    .option("port", 9999)
    .load()

// Split the lines into words
val words = lines.as[String].flatMap(_.split(" "))

// Generate running word count
val wordCounts = words.groupBy("value").count()

// Start running the query that prints the running counts to the console
val query = wordCounts.writeStream
    .outputMode("complete")
    .format("console")
    .start()

query.awaitTermination()
```