

<https://www.youtube.com/watch?v=gdZLi9oWNZg> <https://www.youtube.com/watch?v=YXGVpjqlpE>
<https://www.youtube.com/watch?v=0spqvqDxTBE> <https://www.youtube.com/watch?v=HRQEs4vOlrY>
https://www.youtube.com/playlist?list=OLAK5uy_nbiaFQkraMFQWxc79rm3DBB3LHo1z1eww

```
In [2]: import findspark
        findspark.init()
```

SparkSession (DEFAULT)

```
In [12]: from pyspark.sql import SparkSession
```

```
In [41]: # By default 12 executors if not specified
        spark=SparkSession.builder.appName("Intro").master("local[4]").getOrCreate()
```

```
In [43]: spark.stop()
```

SparkContext

```
In [5]: from pyspark import SparkContext, SparkConf
```

```
In [17]: conf=SparkConf().setAppName("RDD").setMaster("local[4]")
```

```
In [ ]: # from pyspark import SparkConf, SparkContext
        # conf = (SparkConf()
        #         .setMaster("local")
        #         .setAppName("My app")
        #         .set("spark.executor.memory", "1g"))
        # sc = SparkContext(conf = conf)
```

```
In [18]: # By default 12 executors if not specified
        sc=SparkContext.getOrCreate(conf=conf) # SparkContext(conf=conf)
```

```
In [19]: sc.stop()
```

SparkDetails

```
In [21]: # Retrieve SparkContext version
        spark.sparkContext.version
```

```
Out[21]: '2.4.8'
```

```
In [22]: # Retrieve Python version
        spark.sparkContext.pythonVer
```

Out[22]: '3.7'

```
In [23]: # Master URL to connect to
spark.sparkContext.master
```

Out[23]: 'local[4]'

```
In [28]: # Retrieve name of the Spark User running SparkContext
spark.sparkContext.sparkUser()
```

Out[28]: 'dms24081999'

```
In [42]: # Return application name
spark.sparkContext.appName
```

Out[42]: 'Intro'

```
In [30]: # Retrieve application ID
spark.sparkContext.applicationId
```

Out[30]: 'local-1631086663058'

```
In [39]: # Return default level of parallelism
spark.sparkContext.defaultParallelism # equals to total cores
```

Out[39]: 4

```
In [36]: # Default minimum number of partitions for RDDs
spark.sparkContext.defaultMinPartitions
```

Out[36]: 2

In []: