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<u>spark-tutorial/)</u> tutorial	()		
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	(https://sparkbyexamples.com/apache-hive-		
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(https://sparkbyexamples.com/py spark-tutorial/#advantages) tutorial	Ω		
spark-tutorial/#advantages)	Fresh Flowers and Cakes		
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<u>packages)</u>	Convert Timestamp to		
PySpark - Cluster Managers tutorial	Date		
(https://sparkbyexamples.com/py	Date		
spark-tutorial/#cluster-manager)			
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spark-tutorial/#pyspark-	PySpark		
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PySpark – Web/Application UI			
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ark/opark wob ar anderstanding/,	function to convert timestamp to date		
PySpark - SparkSession	(DateType), this ideally achieved by just		
(https://sparkbyexamples.com/py More	Yrunbalting/theainheyeara frometheoTrimestamp		
<u>spark/pyspark-what-is-</u>	column. In this tutorial, I will show you a		
sparksession/)	PySpark example of how to convert		
PySpark - RDD	timestamp to date on DataFrame & SQL.		
(https://sparkbyexamples.com/py			
<u>spark-rdd)</u>			
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(https://sparkbyexamples.com/py			
spark/pyspark-parallelize-create-			
rdd/)			
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<u>coalesce/)</u>	in.godaddy.com		
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(https://sparkbyexamples.com/py spark/pyspark-broadcast- variables/) PySpark – Accumulator (https://sparkbyexamples.com/py	Date. Syntax: to_date(timestamp_column)		

PySpark timestamp (TimestampType) consists of value in the format yyyy-MM-ddHH:mm:ss.SSSS and Date(DateType)

PySpark - Create a DataFrame (https://sparkbyexamples.com/py <u>spark/different-ways-to-create-dataframe-in-pyspark/)</u>

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(https://sparkbyexamples.com/py spark/pyspark-structtype-andstructfield/)

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(https://sparkbyexamples.com/pyspark/select-columns-from-pyspark-dataframe/)</u>

<u>PySpark – collect()</u>
(<u>https://sparkbyexamples.com/pyspark/pyspark-collect/)</u>

<u>PySpark – withColumn()</u> (https://sparkbyexamples.com/py spark/pyspark-withcolumn/)

<u>PySpark – withColumnRenamed()</u> (<u>https://sparkbyexamples.com/pyspark/pyspark-rename-dataframe-column/</u>)

<u>PySpark – where() & filter()</u>
(https://sparkbyexamples.com/py
spark/pyspark-where-filter/)</u>

PySpark – drop() & dropDuplicates() (https://sparkbyexamples.com/pyspark/pyspark-distinct-to-dropduplicates/)

<u>PySpark – orderBy() and sort()</u> (https://sparkbyexamples.com/py format would be yyyy-MM-dd. Use to_date() function to truncate time from Timestamp or to convert the timestamp to date on DataFrame column.

Using to_date() - Convert Timestamp String to Date

In this example, we will use to_date() function to convert TimestampType (or string) column to DateType column. The input to this function should be timestamp column or string in TimestampType format and it returns just date in DateType column.

```
from pyspark.sql.functions import
#Timestamp String to DateType
df.withColumn("date_type", to_date('
  .show(truncate=False)
#Timestamp Type to DateType
df.withColumn("date_type", to_date(
  .show(truncate=False)
#Above Both examples display
+---+
|id |input timestamp
+---+----
1 | 2019-06-24 12:01:19.000 | 2019-6
#Custom Timestamp format to DateTyr
df.select(to date(lit('06-24-2019
  .show()
#Displays
|to date('06-24-2019 12:01:19.000'
```

<u>spark/pyspark-orderby-and-sort-explained/)</u>

<u>PySpark – groupBy()</u>
(https://sparkbyexamples.com/py
spark/pyspark-groupbyexplained-with-example/)

<u>PySpark – join()</u>

(https://sparkbyexamples.com/py spark/pyspark-join-explainedwith-examples/)

<u>PySpark – union() & unionAll()</u> (https://sparkbyexamples.com/py spark/pyspark-union-andunionall/)</u>

<u>PySpark – unionByName()</u> (https://sparkbyexamples.com/spark/spark-merge-two-dataframes-with-different-columns/)</u>

<u>PySpark – UDF (User Defined Function)</u> (https://sparkbyexamples.com/pyspark/pyspark-udf-user-defined-function/)</u>

<u>PySpark – map()</u> (https://sparkbyexamples.com/py spark/pyspark-maptransformation/)</u>

<u>PySpark – flatMap()</u> (https://sparkbyexamples.com/py spark/pyspark-flatmaptransformation/)

pyspark - foreach()
(https://sparkbyexamples.com/py
spark/pyspark-loop-iteratethrough-rows-in-dataframe/#useforeach-loop-through-dataframe)

PySpark - sample() vs sampleBy() (https://sparkbyexamples.com/py spark/pyspark-samplingexample/)

<u>PySpark – fillna() & fill()</u> (https://sparkbyexamples.com/py spark/pyspark-fillna-fill-replacenull-values/)</u>

PySpark – pivot() (Row to Column) (https://sparkbyexamples.com/pyspark/pyspark-pivot-and-unpivot-dataframe/)

<u>PySpark – partitionBy()</u>
(https://sparkbyexamples.com/py
spark/pyspark-partitionbyexample/)

PySpark – ArrayType Column
(Array)
(https://sparkbyexamples.com/py
spark/pyspark-arraytype-column-with-examples/)

Convert TimestampType (timestamp) to DateType (date)

This example converts the PySpark TimestampType column to DateType.

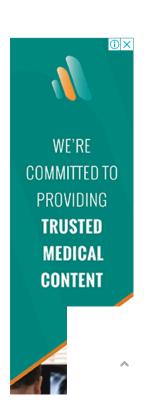
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Using Column cast()

Function

Here is another way to convert TimestampType (timestamp string) to DateType using cast function.



<u>PySpark – MapType (Map/Dict)</u> (https://sparkbyexamples.com/py spark/pyspark-maptype-dictexamples/)</u>

PySpark SQL Functions

<u>PySpark – Aggregate Functions</u> (https://sparkbyexamples.com/pyspark/pyspark-aggregate-functions/)</u>

<u>PySpark – Window Functions</u> (https://sparkbyexamples.com/pyspark/pyspark-window-functions/)

PySpark – Date and Timestamp
Functions
(https://sparkbyexamples.com/pyspark/pyspark-sql-date-and-timestamp-functions/)

<u>PySpark – JSON Functions</u> (https://sparkbyexamples.com/pyspark/pyspark-json-functions-with-examples/)

PySpark Datasources

<u>PySpark</u> – Read & Write CSV File (https://sparkbyexamples.com/pyspark/pyspark-read-csv-file-into-dataframe/)

<u>PySpark – Read & Write Parquet</u> File

(https://sparkbyexamples.com/py spark/pyspark-read-and-writeparquet-file/)

<u>PySpark – Read & Write JSON</u>

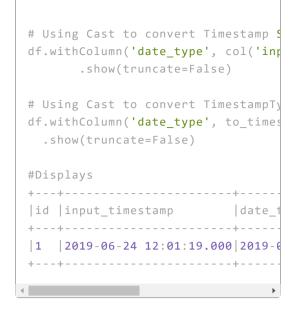
(https://sparkbyexamples.com/py spark/pyspark-read-json-file-intodataframe/)



PySpark Built-In Functions

<u>PySpark – when()</u> (https://sparkbyexamples.com/pyspark/pyspark-when-otherwise/)</u>

<u>PySpark – expr()</u> (https://sparkbyexamples.com/pysp



PySpark SQL - Convert

Timestamp to Date

Following are similar examples using with PySpark SQL. If you are from an SQL background these come in handy.

```
#SQL TimestampType to DateType
spark.sql("select to_date(current_t

#SQL CAST TimestampType to DateType
spark.sql("select date(to_timestamp

#SQL CAST timestamp string to DateT
spark.sql("select date('2019-06-24

#SQL Timestamp String (default form
spark.sql("select to_date('2019-06-

#SQL Custom Timeformat to DateType
spark.sql("select to_date('06-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-24-26-2
```

complete code





ark/pyspark-sql-expr-expressionfunction/)

PySpark - lit()

(https://sparkbyexamples.com/pyspark/pyspark-lit-add-literal-constant/)

PySpark - split()

(https://sparkbyexamples.com/pyspark/pyspark-convert-string-to-array-column/)

<u>PySpark - concat_ws()</u>
(https://sparkbyexamples.com/pyspark/pyspark-convert-array-column-to-string-column/)</u>

<u>Pyspark – substring()</u>
(https://sparkbyexamples.com/pyspark/pyspark-substring-from-a-column/)

PySpark - translate() (https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#translate-replace-character-by-character)

<u>PySpark - regexp_replace()</u>
(https://sparkbyexamples.com/pysp
ark/pyspark-replace-columnvalues/#regexp_replace-replacestring-columns)

PySpark – overlay() (https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#overlay-function)

<u>PySpark - to_timestamp()</u>
(https://sparkbyexamples.com/spark
/pyspark-to_timestamp-convertstring-to-timestamp-type/)

<u>PySpark – to_date()</u>
(https://sparkbyexamples.com/pyspark/pyspark-to_date-convert-timestamp-to-date/)</u>

<u>PySpark – date_format()</u>
(https://sparkbyexamples.com/pyspark/pyspark-date_format-convert-date-to-string-format/)

PySpark – datediff() (https://sparkbyexamples.com/pyspark/pyspark-difference-between-two-dates-days-months-years/#datediff)

PySpark - months_between() (https://sparkbyexamples.com/pysp ark/pyspark-difference-betweentwo-dates-days-monthsyears/#months_between())

<u>PySpark – explode()</u> (<u>https://sparkbyexamples.com/pyspark/pyspark-explode-nested-array-into-rows/)</u>

```
from pyspark.sql import SparkSessid
# Create SparkSession
spark = SparkSession.builder \
          .appName('SparkByExamples
          .getOrCreate()
df=spark.createDataFrame(
        data = [ ("1", "2019-06-24
        schema=["id", "input timesta
df.printSchema()
from pyspark.sql.functions import
# Using Cast to convert Timestamp
df.withColumn('date type', col('ing
       .show(truncate=False)
# Using Cast to convert TimestampTy
df.withColumn('date_type', to_times
  .show(truncate=False)
df.select(to date(lit('06-24-2019
  .show()
#Timestamp String to DateType
df.withColumn("date_type", to_date('
  .show(truncate=False)
#Timestamp Type to DateType
df.withColumn("date type", to date(
  .show(truncate=False)
df.withColumn("ts", to timestamp(col
  .withColumn("datetype", to date(cd
  .show(truncate=False)
#SQL TimestampType to DateType
spark.sql("select to_date(current_t
#SQL CAST TimestampType to DateType
spark.sql("select date(to timestamp
#SQL CAST timestamp string to Datel
spark.sql("select date('2019-06-24
#SQL Timestamp String (default form
spark.sql("select to_date('2019-06
#SQL Custom Timeformat to DateType
spark.sql("select to date('06-24-20
```

In this example, you have learned how to cast the timestamp to date column using to_date() and cast functions.

Happy Learning !!

Related Articles:

<u>PySpark – array_contains()</u>
(https://sparkbyexamples.com/pyspark/pyspark-arraytype-column-withexamples/#array_contains)

<u>PySpark – array()</u> (https://sparkbyexamples.com/pyspark/pyspark-arraytype-column-withexamples/#array)</u>

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<u>PySpark - collect_set()</u>
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<u>PySpark – create_map()</u>
(https://sparkbyexamples.com/pyspark/pyspark-convert-dataframe-columns-to-maptype-dict/)</u>

<u>PySpark – map_keys()</u>
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<u>PySpark - countDistinct()</u>
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