

(https://databricks.com)

1

```
spark.read.format("json")\
  .option("inferSchema", "false")\
  .option("mode", "PERMISSIVE")\
  .load("/FileStore/tables/line_delimited_json.json").show()
```

```
+---+-----+
|age|  name|salary|
+---+-----+
| 20| Manish| 20000|
| 25| Nikita| 21000|
| 16| Pritam| 22000|
| 35|Prantosh| 25000|
| 67| Vikash| 40000|
+---+-----+
```

2

```
%fs
ls "FileStore/tables"
```

Table

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	Path	Name	Size	ModificationTime
1	dbfs:/FileStore/tables/2015_summary-1.csv	2015_summary-1.csv	7080	1733968845000
2	dbfs:/FileStore/tables/Multi_line_correct.json	Multi_line_correct.json	336	1734135482000
3	dbfs:/FileStore/tables/Multi_line_incorrect.json	Multi_line_incorrect.js...	691	1734134492000
4	dbfs:/FileStore/tables/bad_records/	bad_records/	0	0
5	dbfs:/FileStore/tables/corrupted_json-1.json	corrupted_json-1.json	215	1734135730000
6	dbfs:/FileStore/tables/employees.csv	employees.csv	225	1733971046000
7	dbfs:/FileStore/tables/file5.json	file5.json	669503	1734136052000
8	dbfs:/FileStore/tables/line_delimited_json.json	line_delimited_json.json	216	1734134492000
9	dbfs:/FileStore/tables/single_file_json-1.json	single_file_json-1.json	228	1734135209000

9 rows

3

```
#remove files from dbfs
dbutils.fs.rm("dbfs:/FileStore/tables/2015_summary.csv")
```

Out[19]: True

4

```
#single file with extra field
spark.read.format("json")\
  .option("inferSchema", "true")\
  .option("mode", "PERMISSIVE")\
  .load("/FileStore/tables/single_file_json-1.json").show()
```

```
+---+-----+
|age|gender|  name|salary|
+---+-----+
| 20| null| Manish| 20000|
| 25| null| Nikita| 21000|
| 16| null| Pritam| 22000|
```

```
| 35| null|Prantosh| 25000|
| 67| M| Vikash| 40000|
+---+-----+-----+
```

5

```
#multiline correct json
spark.read.format("json")\
  .option("inferschema", "true")\
  .option("mode","PERMISSIVE")\
  .option("multiline", "true")\
  .load("/FileStore/tables/Multi_line_correct.json").show()
```

```
+---+-----+-----+
|age|    name|salary|
+---+-----+-----+
| 20| Manish| 20000|
| 25| Nikita| 21000|
| 16| Pritam| 22000|
| 35|Prantosh| 25000|
| 67| Vikash| 40000|
+---+-----+-----+
```

6

```
#multiline incorrect json
spark.read.format("json")\
  .option("inferschema", "true")\
  .option("mode","PERMISSIVE")\
  .option("multiline", "true")\
  .load("/FileStore/tables/Multi_line_incorrect.json").show()
```

```
+---+-----+-----+
|age|  name|salary|
+---+-----+-----+
| 20|Manish| 20000|
+---+-----+-----+
```

7

```
#multiline incorrect json
spark.read.format("json")\
  .option("inferschema", "true")\
  .option("mode","PERMISSIVE")\
  .load("/FileStore/tables/corrupted_json-1.json").show()
```

```
+---+-----+-----+-----+
|_corrupt_record| age|    name|salary|
+---+-----+-----+-----+
|          null|  20| Manish| 20000|
|          null|  25| Nikita| 21000|
|          null|  16| Pritam| 22000|
|          null|  35|Prantosh| 25000|
|{"name":"Vikash",...|null|    null| null|
+---+-----+-----+-----+
```

8

```
| | | |-- menu_url: string (nullable = true)
| | | |-- name: string (nullable = true)
| | | |-- offers: array (nullable = true)
| | | | |-- element: string (containsNull = true)
| | | |-- photos_url: string (nullable = true)
| | | |-- price_range: long (nullable = true)
| | | |-- switch_to_order_menu: long (nullable = true)
| | | |-- thumb: string (nullable = true)
| | | |-- url: string (nullable = true)
| | | |-- user_rating: struct (nullable = true)
| | | | |-- aggregate_rating: string (nullable = true)
| | | | |-- rating_color: string (nullable = true)
| | | | |-- rating_text: string (nullable = true)
| | | | |-- votes: string (nullable = true)
|-- results_found: long (nullable = true)
|-- results_shown: long (nullable = true)
|-- results_start: string (nullable = true)
|-- status: string (nullable = true)
```