

DSCVR stores information internally with four different data types:

- Integer
- Text
- Decimal
- Big Integer

## 123 Integer

- Store any 32-bit strictly numeric value as an integer.
- Store whole number values like transaction IDs, store numbers, or SKUs that are only numeric as integers.
- DSCVR uses integer data types for date and time values, and sets the correct type during the upload process.

### Examples

Transaction ID	3026049
Identification number	24
Zip code	00616
SKU	94873
Date 12/10/2018	Stored as integer 20181210
Time 12:46:18	Stored as integer 124618

## Abc Text

- Store any value which contains uppercase and lowercase letters, numbers, spaces, and symbols as text.

### Examples

Customer ID	AC99026
Product name	GUACAMOLE ZESTY
Size	500 ML
Geographic location	Boulder, CO
SKU	937-2871-A

## 0.12 Decimal

- Use the decimal data type to store an exact numeric value with the option to define decimal place precision.
- Decimal is also used to store date + time values. This combination is a special form of decimal data type.

### Examples

Sales price	6.95
Unemployment rate	7.1
Interest rate	5.35
Date + Time	12/10/13_10:25:30 Stored as -7691.56562470746

## Big Integer

- Big integer is a 64-bit data type that supports whole number values. Integer is a 32-bit data type.
- To optimize query speed, use the integer rather than big integer data type for any value that fits 32 bits.
- Keys or universally unique identifiers are some examples of information which may be defined as big integers.

### Data types are important:

- When you upload tables and define column metadata.
  - Understand and choose data types before uploading your table.
  - Defining a column as text that you'll later want to use in a calculation will cause errors.
- With Join.
  - You can only join tables on columns of the same data type.
- With New Column.
  - Text data types cannot be used for calculations, even if the value appears to be a number.
- With date and time values.
  - Date and time values are stored in specific formats and types, for use in expressions and when filtering data.

### To check data types:

- From the Data Grid, click the View dropdown, then choose Metadata. You will see column information including data type.