

# Decimal Data Type

Decimal data type applies to floating points up to 15 digits in length.

- In the Trifacta application, this data type is referenced as `Decimal`.
- In storage, this data type is written as `Double`.

Punctuation such as commas and dollar signs (\$) are not supported. These markers must be removed from numeric values through transformation steps before you can change the type to `Decimal`.

The following range is considered safe for values of this type. There may be inconsistencies in output for values outside this range:

- **Safe minimum:** `4.9406564584124654e-324`
- **Safe maximum:** `1.7976931348623157e+308`

## Notes:

- Decimal values that are longer than 15 digits are treated as `String` values and may appear as mismatched values in a `Decimal` column.
- Scientific notation is not supported.
- Trifacta Wrangler Enterprise utilizes Java's `Float` data type for its `Decimal` data validation, which may result in some loss of precision in rare cases.

## Examples:

- `123.45`
- `3000.00`
- `1.2345678E+22`
- `7.4423e-12`
- `-4.123e+12`