

# Scalars

## In this article

[About scalars](#)  
[Base64String](#)  
[BigInt](#)  
[Boolean](#)  
[Date](#)  
[DateTime](#)  
[Float](#)  
[GitObjectID](#)  
[GitRefname](#)  
[GitSSHRemote](#)  
[GitTimestamp](#)  
[HTML](#)  
[ID](#)  
[Int](#)  
[PreciseDateTime](#)  
[String](#)  
[URI](#)  
[X509Certificate](#)

Scalars are primitive values `Int`, `Float`, `String`, `Boolean`, or `ID`.

## About scalars

[Scalars](#) are primitive values: `Int`, `Float`, `String`, `Boolean`, or `ID`.

When calling the GraphQL API, you must specify nested subfields until you return only scalars.

For more information, see "[Introduction to GraphQL](#)."

## Base64String

A (potentially binary) string encoded using base64.

## BigInt

Represents non-fractional signed whole numeric values. Since the value may exceed the size of a 32-bit integer, it's encoded as a string.

## Boolean

---

Represents `true` or `false` values.

---

## Date [↗](#)

An ISO-8601 encoded date string.

---

## DateTime [↗](#)

An ISO-8601 encoded UTC date string.

---

## Float [↗](#)

Represents signed double-precision fractional values as specified by [IEEE 754](#).

---

## GitObjectID [↗](#)

A Git object ID.

---

## GitRefname [↗](#)

A fully qualified reference name (e.g. `refs/heads/master` ).

### Preview notice

`GitRefname` is available under the [Update refs preview update multiple refs in a single operation preview](#). During the preview period, the API may change without notice.

---

## GitSSHRemote [↗](#)

Git SSH string.

---

## GitTimestamp [↗](#)

An ISO-8601 encoded date string. Unlike the `DateTime` type, `GitTimestamp` is not converted in UTC.

---

## HTML [↗](#)

A string containing HTML code.

---

## ID [↗](#)

Represents a unique identifier that is Base64 obfuscated. It is often used to refetch an object or as key for a cache. The ID type appears in a JSON response as a String; however, it is not intended to be human-readable. When expected as an input type, any string (such as `"VXNlci0xMA=="` ) or integer (such as `4` ) input value will be accepted as an ID.

## Int

---

Represents non-fractional signed whole numeric values. Int can represent values between  $-(2^{31})$  and  $2^{31} - 1$ .

## PreciseDateTime

---

An ISO-8601 encoded UTC date string with millisecond precision.

## String

---

Represents textual data as UTF-8 character sequences. This type is most often used by GraphQL to represent free-form human-readable text.

## URI

---

An RFC 3986, RFC 3987, and RFC 6570 (level 4) compliant URI string.

## X509Certificate

---

A valid x509 certificate string.

### Legal

© 2023 GitHub, Inc. [Terms](#) [Privacy](#) [Status](#) [Pricing](#) [Expert services](#) [Blog](#)