

MongoDB Date Query

MongoDB Date Query

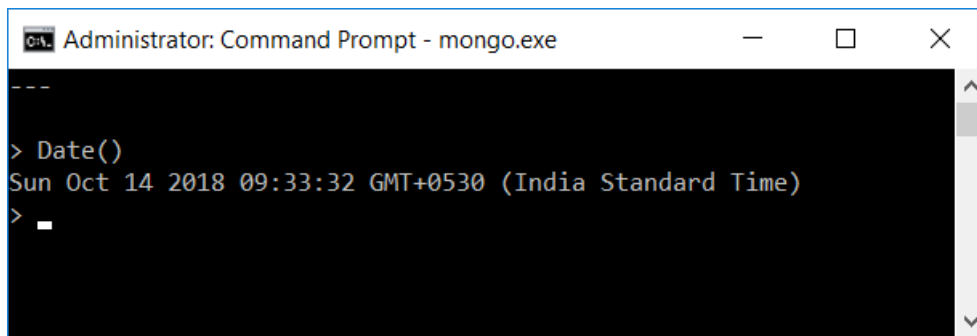
MongoDB Date() Query is used to get the date string or Date Object in a specified format.

MongoDB Date as String

To get the date as a string, use Date() command in Mongo Shell or in a Query without new keyword prior to Date() command.

For Example, Date() in Mongo Shell

Running Date() command in [Mongo Shell](#) returns Date as String.



```
Administrator: Command Prompt - mongo.exe
---
> Date()
Sun Oct 14 2018 09:33:32 GMT+0530 (India Standard Time)
> _
```

In Mongo Shell, Date() command returns date string formatted in UTC.

Date() in Mongo Script

Create a JavaScript file named, `dateExample.js` in the bin directory and copy the following content to dateExample.js.

dateExample.js

```
// read Date as String
var date = Date()

// read Date as String
var date = Date()

print("====Date====")
// print date
print(date)
```

Run the Mongo Script file using mongo command in cmd or terminal as shown below:

```
Administrator: Command Prompt
C:\Program Files\MongoDB\Server\4.0\bin>mongo dateExample.js
MongoDB shell version v4.0.3
connecting to: mongodb://127.0.0.1:27017
Implicit session: session { "id" : UUID("e1d010c1-dfc8-4865-9f46-7892f9157a0a") }
MongoDB server version: 4.0.3
=====Date=====
Sun Oct 14 2018 10:02:44 GMT+0530 (India Standard Time)
C:\Program Files\MongoDB\Server\4.0\bin>
```

Mongo Date Object

The Date can be obtained as an object in MongoDB using `new` keyword prior to `Date()` command.

Date Object in Mongo Shell

```
Administrator: Command Prompt - mongo
---
> new Date()
ISODate("2018-10-14T04:39:34.227Z")
>
```

The difference between `Date` and `new Date()` might not be quite obvious with the above example. The reason being that Mongo Shell converts `Date` object to string while echoing to the screen. Using `typeof()` function we can clear the thoughts on `Date` type using `typeof(Date())` and `typeof(new Date())`.

```
Select Administrator: Command Prompt - mongo
---
> typeof(Date())
string
> typeof(new Date())
object
>
```

By storing the `Date` object in a variable, we can access its properties using functions like `getFullYear()`, `getMinutes()`, etc.

```
Administrator: Command Prompt - mongo
>
>
> var date = new Date()
>
> date.getFullYear()
2018
>
> date.getMinutes()
20
>
```

Mongo Date Formats

While creating a new `Date()` object, you can specify the date format.

Following are the allowed date formats and each of them returns the resulting `ISODate` instance.

- `new Date("<YYYY-mm-dd>")`
- `new Date("<YYYY-mm-ddTHH:MM:ss>")`
- `new Date("<YYYY-mm-ddTHH:MM:ssZ>")`
- `new Date(<milliseconds>)` where `<milliseconds>` is an integer and specifies the number of milliseconds since the Unix epoch (Jan 1, 1970).

Following Mongo Script demonstrates the usage of Date Formats.

dateExample.js

```
var date1 = new
Date("2018-07-14")

var date1 = new Date("2018-07-14")
var date2 = new Date("2016-05-22T10:05:44")
var date3 = new Date("2016-05-25T10:05:44Z")
var date4 = new Date(1524632175894)

print("-----printing dates in different formats-----")
print(date1)
print(date2)
print(date3)
print(date4)
```

```
Administrator: Command Prompt
C:\Program Files\MongoDB\Server\4.0\bin>mongo dateExample.js
MongoDB shell version v4.0.3
connecting to: mongodb://127.0.0.1:27017
Implicit session: session { "id" : UUID("4153894c-7f4d-4286-a861-eab4454b9c1b") }
MongoDB server version: 4.0.3
-----printing dates in different formats-----
Sat Jul 14 2018 05:30:00 GMT+0530 (India Standard Time)
Sun May 22 2016 10:05:44 GMT+0530 (India Standard Time)
Wed May 25 2016 15:35:44 GMT+0530 (India Standard Time)
Wed Apr 25 2018 10:26:15 GMT+0530 (India Standard Time)

C:\Program Files\MongoDB\Server\4.0\bin>
```

Conclusion

In this [MongoDB Tutorial](#), we have learned the usage of Mongo Date() and its usage as a String and Object.

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↳ MongoDB Setup Replica Set

↳ MongoDB Locks

MongoDB Concepts

↳ MongoDB Text Search

↳ MongoDB MapReduce

↳ MongoDB Backup - mongodump

MongoDB Queries

↳ MongoDB Date

MongoDB Queries

↳ MongoDB Date()

MongoDB Integration

MongoDB Java

↳ Connect to MongoDB from Java

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MongoDB Kotlin

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↳ MongoError: failed to connect to server

MongoDB Others

↳ [MongoDB Interview Questions](#)

↳ [Uninstall MongoDB from Ubuntu](#)

Useful Resources

↳ [How to Learn Programming](#)