TYPES

Most Common BSON Types

▼	(15) ObjectId("5acd0b867e	{ 9 fields }	Object
	id	ObjectId("5acd0b867e27e66e02f	ObjectId
	"" string	Hello World	String
	object	{ 1 field }	Object
	array	[3 elements]	Array
	mumberInt ===	10	Int32
	mumberLong	3234234234	Int64
	## double	5.75	Double
	T/F boolean	true	Boolean
	date	2018-04-10 19:07:50.109Z	Date

Types Syntax in Shell Mode

()
_

CAUTION!

If type of the Number is not specified, it will be stored as Double BSON value

BSON Type Identifiers

Type	Number ID	String ID
String	2	"string"
Object	3	"object"
Array	4	"array"
Boolean	8	"bool"
32-bit Integer	16	"int"
64-bit Integer	18	"long"
Double	1	"double"
Date	9	"date"
ObjectId	7	"objectId"

\$type - Operator in MongoDB to query documents by BSON type

Document 1

_id

...other fields

Document 2

_id

...other fields

Document M

_id

...other fields

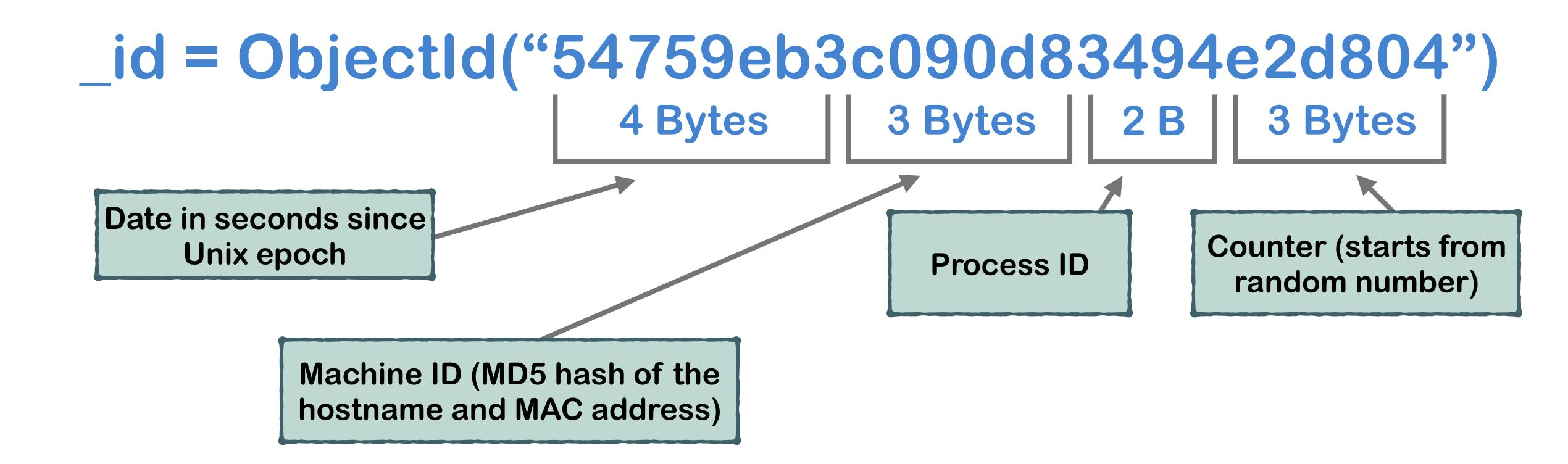
Mandatory document field

Can be assigned manually

• Will be created <u>automatically</u> if not assigned manually (recommended)

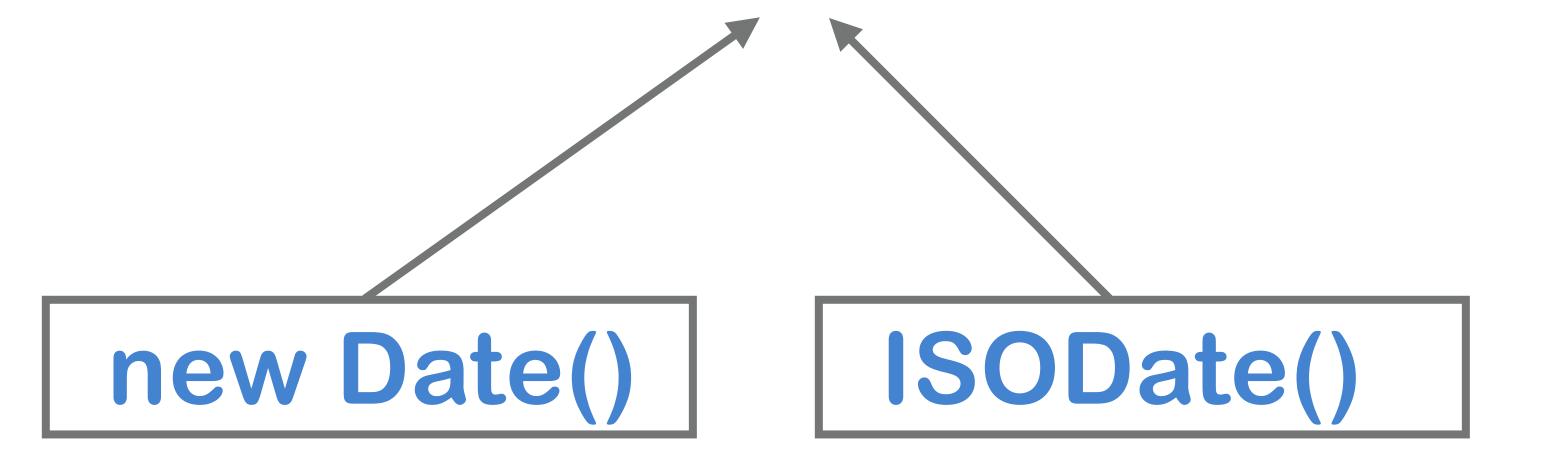
id:

ObjectId



Date and ISODate

ISODate("2018-08-08T08:22:55.160Z")



Automatically generates value with current time

* Date() generates Date in String format

Convert Dates to ISODate

new Date("2018-08-08")



ISODate("2018-08-08T00:00:00Z")

new Date("August 8, 2018 13:15:00")



ISODate("2018-08-08T10:15:00Z")

new Date(2018, 7, 8)



ISODate("2018-08-07T21:00:00Z")

Numbers in BSON

Type	Number ID	String ID	Shell Mode Syntax
32-bit Integer	16	"int"	NumberInt()
64-bit Integer	18	"long"	NumberLong()
Double	1	"double"	

Number Examples in BSON

Input Value	Result	Type
10	10.0	"double"
0	0.0	"double"
5.75	5.75	"double"
NumberInt(10)	10	"int"
NumberLong(1234)	1234	"long"

SUMMARY

MongoDB Data Types

Documents are stored in BSON format

By default all numbers are stored as Double
_id is mandatory field in each document

ObjectId generates unique value for _id

Dates are stored using ISODate type

Integers can be stored using NumberInt()