
SQL SERVER – CONVERTING BIGINT TO DATE FORMAT

SCENARIO

Hi all, we have an application from a third party vendor. In which a table stored time as below in **bigint** format.

<u>CREATEDTIME</u>	<u>RESPONDEDTIME</u>	<u>DUEBYTIME</u>
1236666082555	1236666085435	1236680482555

And it is displaying as below through their application:

Created date : 10 Mar 2009 14:21:22

Responded Date : 10 Mar 2009, 10:21:25

Due date : 10 Mar 2009 14:21:22

Any idea how they are converting into this format?

SOLUTION

Those numbers are **UNIX EPOCH** numbers with milliseconds as the lowest three digits. In other words, **1236666082555** actually represents **1236666082** (*number of seconds since midnight jan 1 1970*), with an additional **555/1000** seconds.

By the way, **1236666082** is **2009-03-10 06:21:22 UTC**.

```
SELECT
DATEADD(ms, CREATEDTIME- (CREATEDTIME/1000) *1000,
DATEADD(ss, CREATEDTIME/1000+8*60*60, '19700101'))
FROM yourtable
```

NOTE: You'll need to specify "yourtable" and the right fields in **BIGINT** date format (in this example this is **CREATEDTIME**).