

## Question

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## How to use stored procedures with linked tables

In MySQL I have the following table:

```
CREATE TABLE `info` (  
  `created` int(11)  
);
```

And it is linked (via [JDBC SQL Gateway](#)) to Cache table mysql.info. `created` field stores [unix timestamp](#). So when I execute this SQL in SMP:

```
SELECT created FROM mysql.info
```

I receive the following output (which is expected):

created
1435863691
1436300964

But I want to display `created` field converted to ODBC timestamp format. To do that I call this SQL procedure

```
Class mysql.utils [ Abstract ]  
{  
  /// Unix timestamp to ODBC  
  ClassMethod uto(unixstamp As %Integer) As %TimeStamp [ SqlName = uto, SqlProc ]  
{  
    set startday = $zdh("1970-01-01 00:00:00",3)  
    set endday = (unixstamp \ (60 * 60 * 24))  
    set endtime = (unixstamp # (60 * 60 * 24))  
    set totalday = endday + startday  
    quit $zdt(totalday _ ", " _ endtime, 3)  
  }  
}
```

But if I execute this SELECT:

```
SELECT created, mysql.uto(created) As "ODBC" FROM mysql.info
```

I receive the following output:

created	ODBC
1435863691	1435863691
1436300964	1436300964

Instead of the expected output:

created	ODBC
1435863691	2015-07-02 19:01:31
1436300964	2015-07-07 20:29:24

Then, I tried to use MySQL conversion function [fromunixtime](#) for the same purpose:

```
SELECT created, from_unixtime(created) As "ODBC" FROM mysql.info
```

However, I receive the following error message:

```
User defined SQL function 'SQLUSER.FROM_UNIXTIME' does not exist
```

Which is true enough I suppose.

But a question is, how do I apply stored procedure to a linked table field?

[#JDBC](#) [#ODBC](#) [#SQL](#) [#Caché](#)

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