

Web Client Utils - Feature #576

Argument types in callback function, Date()

11/15/2012 11:26 AM - Imre Tokai

Status: Feedback	Start date: 05/27/2012
Priority: Normal	Due date:
Assignee:	% Done: 90%
Category:	Estimated time: 0.00 hour
Target version:	
Browser (if web client):	
Description	
Hi,	
Collecting new Date() from client and it does come back but as a String and I'd need it as Date object because about to save it in DB column type DATETIME, timestamp with timezone Postgres. If new Date() is done again from received String it creates the saveable Date object BUT in server timezone's format and I'd need clients time zone instead exactly as generated and received.	
Is there a way to receive pure @param {Date}, {JSDate}, {Object}...?	
Or to create the object involving desired timezone that can be determined based on offset	
Note: Javascript Date is just representation of number	
https://www.servoy.com/forum/viewtopic.php?f=3&t=15293	
Regards	

History

#1 - 11/15/2012 03:46 PM - Patrick Talbot

Why not return new Date().getTime() to the callback?
Then it's a long and you can convert it back on the server side to the correct Date.

You could also return an object like:

```
var date = new Date();
return {time: date.getTime(), offset: date.getTimezoneOffset()};
```

Unless I'm missing something?

#2 - 11/15/2012 05:21 PM - Imre Tokai

Thanks Patrick,

So, need client's timezone and haven't found the proper javascript code to create new Date based on offset
Imre Tokai wrote:

If new Date() is done again from received String it creates the saveable Date object BUT in server timezone's

Any further idea?

Regards

#3 - 11/15/2012 05:58 PM - Patrick Talbot

```
function onActionTime(event) {
    var js = "var date = new Date(); var time = date.getTime(); var offset = date.getTimezoneOffset();"
    plugins.WebClientUtils.executeClientSideJS(js, callbackMethod, ['time', 'offset']);
}
```

```
function callbackMethod(time, offset) {
    var hours = offset/100;
    var mins = offset%100;
    var millisOffset = (hours*60*60*1000) + (mins*60*1000);
    var date = new Date(parseInt(time) + millisOffset);
}
```

```
application.output(date);  
}
```

This gives me a date with UTC timeZone.

#4 - 11/22/2012 06:25 PM - Imre Tokai

- *Status changed from New to Feedback*

- *% Done changed from 0 to 90*

Thanks Patrick,

Understand that Date() can be recreated on server but that's in UTC timeZone. Optimal would be to get original client's object, so that the Date is in client's timeZone and inserted to 1 DB column like that.

Implemented a work-around via 2 columns: one keeps the date and other the offset.

In general: it would be nice to have the ability to accept various types of object(s) from client, next to existing pure string(s)

Regards