



TMS WEB Core

v1.4.0.0 Ravenna

RELEASE NOTES

June 2020

Copyright © 2020 by tmssoftware.com bvba

Web: <http://www.tmssoftware.com>

Email: info@tmssoftware.com

Contents

Breaking changes in TMS WEB Core v1.4	3
JavaScript object parameters in event handlers.....	3
TWebPaypal class changes.....	5
TWebTimer, TWebGeoLocation inheritance change.....	5

Breaking changes in TMS WEB Core v1.4

JavaScript object parameters in event handlers

For compatibility with the Visual Studio Code / OmniPascal environment, it was technically required to no longer use direct external JavaScript objects as parameters for event handlers in Pascal classes. Where needed, the JavaScript external object parameters were replaced by a Pascal record with a reference to the external JavaScript object.

Example:

In TWebStringGrid, the event OnGetCellChildren signature was before v1.4

```
OnGetCellChildren(Sender: TObject; ACol, ARow: Integer;  
    AField: TField; AValue: string; AElement: TJSHTMLInputElement);
```

Now it is changed to

```
OnCellChildren(Sender: TObject; ACol, ARow: Integer;  
    AField: TField; AValue: string; AElement: TJSHTMLInputElementRecord);
```

with

```
TJSHTMLInputElementRecord = record  
    element: TJSHTMLInputElement;  
end;
```

As such, where formerly an event handler could be written as:

```
procedure TForm1.gridTasksGetCellChildren(Sender: TObject; ACol,  
    ARow: Integer;  
    AField: TField; AValue: string; AElement: TJSHTMLInputElement);  
begin  
    case ACol of  
        0: AElement['align'] := 'center';  
        3: AElement['align'] := 'right';
```

```
end;  
  
end;
```

if becomes now

```
procedure TForm1.gridTasksGetCellChildren(Sender: TObject; ACol,  
ARow: Integer;  
    AField: TField; AValue: string; AElement: TJSHTMLElementRecord);  
begin  
    case ACol of  
        0: AElement.element['align'] := 'center';  
        3: AElement.element['align'] := 'right';  
    end;  
end;
```

This affects all classes where previously such JavaScript object was directly used, i.e. also the
TWebHttpRequest.OnRequestResponse event

It changed from

```
OnRequestResponse(Sender: TObject;  
    ARequest: TJSXMLHttpRequest; AResponse: string);
```

to

```
OnRequestResponse(Sender: TObject;  
    ARequest: TJSXMLHttpRequestRecord; AResponse: string);
```

with

```
TJSXMLHttpRequestRecord = record  
    req: TJSXMLHttpRequest;  
end;
```

TWebPaypal class changes

The property Environment has been removed as it is no longer available in the PayPal JavaScript API. The environment is now automatically set to Live or Sandbox based on the provided API key.

TWebTimer, TWebGeoLocation inheritance change

Now TWebTimer and TWebGeoLocation descend from TComponent instead of TWebNonVisualControl. This might affect DFM files that store width/height of TWebTimer or TWebGeoLocation. To remedy, open the forms, ignore any property error related to Width/Height properties and save the form file(s) again.