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Programmers Reference, Client Side Plugins, Modify Fields

Modifying default presentation of individual fields on forms

To modify the default presentation of an individual field on an object form you need to go to the presentation properties of the corresponding attribute and click on the "Advanced" property. There is only one script available for you here.

As explained in the "Architecture of the client-side code" the controller of the form prepares the HTML markup of the form as well as the list of Kendo UI widgets that the form includes. Apart from other things the markup of the form contains markups of individual fields present on the form. And the collection of widgets for the form includes widgets used by individual fields (note that not all fields use widgets, some use markup only). Each type of field on the form is represented by its own **Aware IM** Javascript object (see the table below).

The form controller asks every individual field on the form to prepare its markup and the collection of widgets. Then it assembles the result into the final markup and widget collection of the form. The script for each indivisual field is executed just before it is given to the form controller, so that the script has a chance to modify the markup or widget configuration.

There are three objects exposed to the script:

- "field" – this is Aware IM object representing the field (see the table below)
- "markup" – this is the HTML markup of the field (jQuery object)
- "config" – this is the object that represents a widget configuration of the field or null if the field does not use a widget. The object has the following properties:
    - "type" – type of the widget
    - "id" – the id of the element in the markup used by the widget
    - "config" – the Kendo UI configuration of the widget

You can modify modify any of these object. For example, if you want to hide the field you can write the following script:

```
markup.css ("display, "none");
```

Or if you want to change which tools are available for an HTML editor field (see http://docs.telerik.com/kendo-ui/api/javascript/ui/editor#configuration-tools), you could write the following script:

```
config.config.tools = ["bold", "italic", "underline"]
```

There are some useful methods of the "field" object that you can use in your script (the code of all all the objects representing different fields is in AwareIM/Tomcat/webapps/AwareIM/aware_kendo/field/fields.js file.

- `field.getAttributeName ()` – retrieve the name of the object attribute
- `field.getObjectName ()` - retrieve the name of the object
- `field.getObjectId ()` – retrieve the id of the object

and so on.

Note that if you want to access the field after it has already been drawn you need to find the field on the form and so you need to modify the "render" script of the form, like so, for example:

```
var field = parser.getField ("Account", "Main");
var value = field.getValue ();
```

The following table lists all different field types and the corresponding Kendo UI widgets.

Aware IM attribute type	Kendo UI widget	Aware IM field object
Plain Text (no choices, 1 line)	None	AwareApp_TextField
Plain Text (no choices, several lines)	None	AwareApp_TextAreaField
Plain Text, Number, Date with radio or checkbox choices	NumericText Box (http://docs.telerik.com/kendo-ui/api/javascript/ui/numerictextbox)	AwareApp_NumberField
Plain Text, Number, Date with text choices, choices not editable	DropDownList (http://docs.telerik.com/kendo-ui/api/javascript/ui/dropdownlist)	AwareApp_ComboField
Plain Text, Number, Date with text choices, choices editable	ComboBox (http://docs.telerik.com/kendo-ui/api/javascript/ui/combobox)	AwareApp_ComboField
Date without choices	DatePicker (http://docs.telerik.com/kendo-ui/api/javascript/ui/datepicker)	AwareApp_DateField
Timestamp	DateTimePicker http://docs.telerik.com/kendo-ui/api/javascript/ui/datetimepicker	AwareApp_DateTimeField
Yes/No (displayed as checkbox)	None	AwareApp_CheckboxField
Yes/No (displayed as a switch)	Switch http://docs.telerik.com/kendo-ui/api/javascript/mobile/ui/switch	AwareApp_SwitchField
Plain Text with choices represented as checkboxes	None	AwareApp_CheckboxGroupField
Plain Text with choices represented as radio buttons	None	AwareApp_RadioButtonGroupField
PlainText with multi-selector	MultiSelect http://docs.telerik.com/kendo-ui/api/javascript/ui/multiselect	AwareApp_TagField

PlainText with HTML format	Editor http://docs.telerik.com/kendo-ui/api/javascript/ui/editor	AwareApp_HtmlEditorField
Document	Upload http://docs.telerik.com/kendo-ui/api/javascript/ui/upload	AwareApp_DocumentField
Picture (not represented as signature)	Upload http://docs.telerik.com/kendo-ui/api/javascript/ui/upload	AwareApp_PictureField
Picture (represented as signature)	None	AwareApp_SignatureField
Shortcut	None	AwareApp_ShortcutField
Reference represented by a drop down	DropDownList http://docs.telerik.com/kendo-ui/api/javascript/ui/dropdownlist	AwareApp_SelectReferenceField
Reference represented by a multi-selector	MultiSelect http://docs.telerik.com/kendo-ui/api/javascript/ui/multiselect	AwareApp_TagReferenceField
Reference represented by a "swap select"	None	AwareApp_SwapSelectField
HTML cell	None	AwareApp_HtmlFiield
Gauge cell (linear)	LinearGauge http://docs.telerik.com/kendo-ui/api/javascript/dataviz/ui/lineargauge	AwareApp_GaugeField
Gauge cell (radial)	RadialGauge http://docs.telerik.com/kendo-ui/api/javascript/dataviz/ui/radialgauge	AwareApp_GaugeField
Google Map cell	None	AwareApp_GoogleMapField
Number displayed as slider	Slider http://docs.telerik.com/kendo-ui/api/javascript/ui/slider	AwareApp_SliderField