Contents

[Directives 2](#_Toc427592937)

[vr-form 2](#_Toc427592938)

[vr-select: 2](#_Toc427592939)

[vr-textbox 3](#_Toc427592940)

[vr-datetimepicker 3](#_Toc427592941)

[vr-fileupload 4](#_Toc427592942)

[vr-switch 4](#_Toc427592943)

[vr-button 4](#_Toc427592944)

[vr-actionbar 5](#_Toc427592945)

[vr-panel 5](#_Toc427592946)

[vr-section 5](#_Toc427592947)

[vr-row 5](#_Toc427592948)

[vr-columns 5](#_Toc427592949)

[vr-datagrid 5](#_Toc427592950)

[vr-datagridcolumn 6](#_Toc427592951)

[vr-datagrid API 6](#_Toc427592952)

[Vr-treeview 7](#_Toc427592953)

[Services 7](#_Toc427592954)

[VRNavigationService 7](#_Toc427592955)

[VRNotificationService 8](#_Toc427592956)

[VRModalService 9](#_Toc427592957)

# Directives

## vr-form

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| name | The name of the form |  |  |

## vr-select:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| label | The display text |  |  |
| entityname | The name of the entity (e.g., Carrier Account, Zone…) |  |  |
| datasource | Two possible values:   * Array * function(filter): it should return promise in this case |  |  |
| hint | Text value , valid html content, reference to a scope variable | No default value | Display a small exclamation mark on the left of the control and when the user hover a hint popover will be shown. |
| withlocalfilter |  |  | When included in single select a filter input box appears at the top of the data source choices |
| ismultipleselection | true/false | false |  |
| selectedvalues | Array: in case of multiple selection.  Object: in case of single selection |  |  |
| hideselectedvaluessection | true/false | false |  |
| datatextfield/datavaluefield | The properties to use from the data source items to display and identify the item. |  | If these attributes are not specified, the item itself will be used from the datasource |
| onselectionchanged | =function()  Occurs whenever the user select/deselect an item |  |  |
| hideFilterBox | True/false | False | Hide the text box the allow the user to filter the data source list |
| isrequired | true/false | false |  |
| validator | =function()  Used for custom validation. Should return true or false |  |  |

## vr-textbox

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| label | The display text |  |  |
| Type | (password, email ,number) mandatory attribute | No default value just in case Type is not specified it will be a simple text box | Email type validate an email impute in condition to follow [x@x.x](mailto:x@x.x) |
| maxvalue | In case of type=”number” this attribute precise the maximum value allowed |  |  |
| minvalue | In case of type=”number” this attribute precise the minimum value allowed |  |  |
| decimalprecision | In case of type=”number” this attribute precise the decimal precision after the decimal point. |  |  |
| readonly | Put the input in a read only on do not allow user edit . |  |  |
| value | Text value |  |  |
| hint | Text value , valid html content, reference to a scope variable | No default value | Display a small exclamation mark on the left of the control and when the user hover a hint popover will be shown. |
| onvaluechanged | =function() |  |  |
| isrequired |  | false |  |
| customvalidate | =function()  Used for custom validation. Should return true or false |  |  |

## vr-datetimepicker

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| label | The display text |  |  |
| type | date/time/dateTime | Default value is date |  |
| value | Of type Date |  |  |
| hint | Text value , valid html content, reference to a scope variable | No default value | Display a small exclamation mark on the left of the control and when the user hover a hint popover will be shown. |
|  |  |  |  |
| onvaluechanged | =function() |  |  |
| onblurdatetime | =function() |  | Fire when leaving the input of the datetimepicker. |
| isrequired | True/false | false |  |
| customvalidate | =function()  Used for custom validation. Should return true or false |  |  |

## vr-fileupload

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| label | The display text |  |  |
| value | Object that contains the attribute “fileId” that relate the control to the appropriate file in the data base | The default value is a null object |  |
| hint | Text value , valid html content, reference to a scope variable | No default value | Display a small exclamation mark on the left of the control and when the user hover a hint popover will be shown. |
| extension | String value  Either a common value  Ex:’Images’,’reports’,’all’  Or a string of separated commas  Ex:’pdf,xls,doc,docx,cs’ | Default value is all. | When the attribute is an All value the user can chose any file type |
| isrequired | True/false | false |  |

Ex:

In the controller: $scope.CompanyLogo = {fileId:1};

In the view :<vr-fileupload extension="images" value="CompanyLogo"> </vr-fileupload>

extension can be :

- “images” Allow just(png,jpg,gif,bmp).

- “reports” Allow just(xls, xlsx, pdf, csv).

- custom string separated commas “pdf,png,doc”.

## vr-switch

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| Label | The display text |  |  |
| value | True/false |  |  |
| onvaluechanged | =function() |  |  |
| hint | Text value , valid html content, reference to a scope variable | No default value | Display a small exclamation mark on the left of the control and when the user hover a hint popover will be shown. |

## vr-button

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| type | Add, Edit, Delete, Save, Cancel, Clear, Print, Export |  |  |
| onclick | =function().  This function should return a promise in case it is calling a WebAPI. This way the button shows a loader until the response is returned from the WebAPI |  |  |
| formname | The name of the form to validate before enabling the button |  |  |

## vr-actionbar

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| actions | Array of actions each of which has the same properties as the vr-button directive |  |  |
| showcollapsebutton | True/false. Shows the button to expand/collapse another section | False |  |
| issectioncollapsed | True/false. Used to show/hide the section when the user clicks the expand/collapse button. showcollapsebutton should be equal to true |  |  |

## vr-panel

## vr-section

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| title | The title of the section |  |  |

## vr-fieldset

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| title | The title of the fieldset |  |  |

## vr- preview-image

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| value | The id of the image in the data base |  |  |
| height | Represent the height of the container in pixels or in % |  |  |
| width | Represent the width of the container in pixels or in % |  |  |

Ex:

In the controller: $scope.CompanyLogo = {fileId:1};

In the view: <vr-preview-image height="80px" width="80px" value="CompanyLogo.fileId"> </vr-preview-image>

## vr-row

## vr-columns

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| colnum | Number of columns |  |  |

## vr-datagrid

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
|  |  |  |  |
| datasource | Array: data items |  |  |
| onReady | =function(api). Check “vr-datagrid API” section |  |  |
| pagersettings | In case if paging is needed. Example:  { currentPage: 1, totalDataCount: 0, pageChanged: function () { getData();  }  } |  |  |
| maxheight | Example: maxheight="600px" |  |  |
| hideheader |  |  |  |
| loadmoredata | =function(). It is called whenever the user scrolls down in order to retrieve more items and add them to the datasource. It should return a promise |  |  |

The vr-datagrid should be at least used with the vr-datagridcolumn directive

Example:

<vr-datagrid datasource="data" maxheight="600px">

<vr-datagridcolumn headertext="'Time'" field="'dateTimeValue'"></vr-datagridcolumn>

<vr-datagridcolumn ng-repeat="measureType in measureTypes" headertext="measureType.description" field="'Values[' + $index + ']'" type="'Number'"></vr-datagridcolumn>

</vr-datagrid>

### vr-datagridcolumn

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
| field | The property to bind to in the datasource |  |  |
| headertext | The header text |  |  |
| isclickable | Boolean Function or value indicating whether the cell is clickable. The function should be: =function(dataItem) |  |  |
| onclicked | =function(colDef, dataItem). It is called when a cell is clicked |  |  |
| type | The data type. Can be ‘Number’ |  |  |
| onsortchanged | = (colDef, sortDirection). It is called when the user clicks on a column to sort the data. It should return a promise in case it is calling a WebAPI |  |  |

### vr-datagrid API

the following table shows the members of the datagrid directive API (obtained by attaching to the on-ready event of the directive – see first table):

|  |  |
| --- | --- |
| Method | Description |
| reset() | Called to clear the user actions on the datagrid. (e.g. column sorting) |
| itemAdded(item), itemUpdated(item), itemDeleted(item) | Respective method should be called whenever an item is added, updated, or deleted. For example, when the user adds a Route Rule, the itemAdded method should be called on the datagrid API. This will shows another section to allow the user to track his actions |

## Vr-treeview

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Default Value | Notes |
|  |  |  |  |
| datachildrenfield | Array: data items |  |  |
| onReady | =function(api).  Tree api is used to implement the tree and refresh it by using a function in the api called refreshTree. |  | Ex:  onReady=function(api){  treeApi=api;  api.refreshTree($scope.data);  } |
| datavaluefield | The value of the tree node, it should be unique, if you don’t have unique value you should not use it, the tree will generate random unique ids for each node in tree. |  |  |
| datatextfield | The text that will be shown for every node. |  |  |
| selecteditem |  |  |  |
| checkbox | It allow checkbox in the tree (not fully implemented yet) |  |  |
| wholerow | This option change the style of selected node by highlight the whole row. |  |  |
| draggable | This option allow drag drop in the tree. |  |  |
| movesettings | Setting of draggable tree it can be either “samelevel” or “alllevels” |  |  |

Ex:

<vr-treeview datatextfield="Name"

datavaluefield="Id"

datachildrenfield="Childs"

on-ready="menuReady"

selecteditem="selectedMenuNode"

wholerow>

</vr-treeview>

# Services

## VRNavigationService

|  |  |  |
| --- | --- | --- |
| Method Name | Description | Example Usage |
| goto(url, parameters) | It navigates to specified URL. The parameters should be an object | var parameters = {  zoneId: zoneItem.EntityId,  zoneName: zoneItem.EntityName  };  VRNavigationService.goto("/BI/ZoneDetails", parameters); |
| getParameters(scope) | Retrieves the parameters sent to the page (when navigating to the page or when opening the page as a modal). the returned value is an object | var parameters = VRNavigationService.getParameters($scope);  zoneId = parameters.zoneId;  $scope.zoneName = parameters.zoneName; |

## VRNotificationService

|  |  |  |
| --- | --- | --- |
| Method Name | Description | Example Usage |
| showInformation(message) | It notifies user with information message |  |
| showSuccess(message) | It notifies user with success message |  |
| showError(message) | It notifies user with error message |  |
| showWarning(message) | It notifies user with warning message |  |
| showConfirmation(message) | It shows confirmation dialog. It returns a promise | VRNotificationService.showConfirmation('Are you sure you want to delete the Rule?').then(function (result) {  if (result) console.log('Confirmed');  else console.log('not confirmed');  }); |
| notifyException(error) | It should be called to notify the user when an exception occured |  |
| notifyExceptionWithClose(error) | It should be called in case an exception occurred when the user opens a new page (e.g. on retrieving data from the backend). It closes the page and navigates the user to an error page |  |
| notifyOnItemAdded(itemType, insertOperationOutput) | It should be called to notify the user about the result of Add operation:   * itemType: e.g. “User”, “Route Rule”… * insertOperationOutput: the output returned from the WebAPI of type InsertOperationOutput |  |
| notifyOnItemUpdated(itemType, updateOperationOutput) | It should be called to notify the user about the result of Update operation:   * itemType: e.g. “User”, “Route Rule”…   updateOperationOutput: the output returned from the WebAPI of type UpdateOperationOutput |  |

## VRModalService

|  |  |
| --- | --- |
| Method Name | Description |
| showModal(viewUrl, parameters, settings) | It opens the specified URL in a popup.   * viewUrl: the URL of the page to open * parameters: the parameters to pass to the page in the modal. it should be an object. And it could be retrieved using the getParameters(scope) method of the VRNavigationService * settings: an object having the following properties:   + useModalTemplate: true/false. Should be true If the page html is not built using the Modal directives (check next section)   + width: the width of the modal (e.g. “80%”)   + maxHeight: the height after which the modal shows a vertical scroll (e.g. “800px”)   + onScopeReady: should be equal to function(modalScope). Can be used as a communication context between the page and the modal. here are modalScope available methods:     - modalContext.closeModal(): it closes the modal |

Two options exists to be able to open a page as a modal:

1. build the html page which will open in a modal using the modal directives
2. set settings.useModalTemplate to true when calling the showModal method

Two directives exist of the modal:

|  |  |  |
| --- | --- | --- |
| Directive | Restrict | Notes |
| vr-modalcontent | Attribute Directive | Should be set on the root html element |
| vr-modalbody | Element Directive | This directive should encapsulate the main content in the page |

Example:

<div vr-modalcontent>

<vr-modalbody maxheight="'500px'">

//Main Content Here

//Main Content Here

//Main Content Here

//Main Content Here

</vr-modalbody>

<div>

//ACTION BAR HERE

//ACTION BAR HERE

//ACTION BAR HERE

//ACTION BAR HERE

</div>

</div>