



# AngularJS References

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## AngularJS Directives

Directive	Description
<a href="#"><u>ng-app</u></a>	Defines the root element of an application.
<a href="#"><u>ng-bind</u></a>	Binds the content of an HTML element to application data.
<a href="#"><u>ng-bind-html</u></a>	Binds the innerHTML of an HTML element to application data, and also removes dangerous code from the HTML string.
<a href="#"><u>ng-bind-template</u></a>	Specifies that the text content should be replaced with a template.
<a href="#"><u>ng-blur</u></a>	Specifies a behavior on blur events.
<a href="#"><u>ng-change</u></a>	Specifies an expression to evaluate when content is being changed by the user.
<a href="#"><u>ng-checked</u></a>	Specifies if an element is checked or not.
<a href="#"><u>ng-class</u></a>	Specifies CSS classes on HTML elements.
<a href="#"><u>ng-class-even</u></a>	Same as ng-class, but will only take effect on even rows.
<a href="#"><u>ng-class-odd</u></a>	Same as ng-class, but will only take effect on odd rows.
<a href="#"><u>ng-click</u></a>	Specifies an expression to evaluate when an element is being clicked.
<a href="#"><u>ng-cloak</u></a>	Prevents flickering when your application is being loaded.

<u>ng-controller</u>	Defines the controller object for an application.
<u>ng-copy</u>	Specifies a behavior on copy events.
<u>ng-csp</u>	Changes the content security policy.
<u>ng-cut</u>	Specifies a behavior on cut events.
<u>ng-dblclick</u>	Specifies a behavior on double-click events.
<u>ng-disabled</u>	Specifies if an element is disabled or not.
<u>ng-focus</u>	Specifies a behavior on focus events.
ng-form	Specifies an HTML form to inherit controls from.
<u>ng-hide</u>	Hides or shows HTML elements.
<u>ng-href</u>	Specifies a url for the <a> element.
<u>ng-if</u>	Removes the HTML element if a condition is false.
<u>ng-include</u>	Includes HTML in an application.
<u>ng-init</u>	Defines initial values for an application.
ng-jq	Specifies that the application must use a library, like jQuery.
<u>ng-keydown</u>	Specifies a behavior on keydown events.
<u>ng-keypress</u>	Specifies a behavior on keypress events.
<u>ng-keyup</u>	Specifies a behavior on keyup events.
<u>ng-list</u>	Converts text into a list (array).
<u>ng-maxlength</u>	Specifies the maximum number of characters allowed in the input field.
<u>ng-minlength</u>	Specifies the minimum number of characters allowed in the input field.
<u>ng-model</u>	Binds the value of HTML controls to application data.
<u>ng-model-options</u>	Specifies how updates in the model are done.
<u>ng-mousedown</u>	Specifies a behavior on mousedown events.
<u>ng-mouseenter</u>	Specifies a behavior on mouseenter events.
<u>ng-mouseleave</u>	Specifies a behavior on mouseleave events.
<u>ng-mousemove</u>	Specifies a behavior on mousemove events.

<u>ng-mouseover</u>	Specifies a behavior on mouseover events.
<u>ng-mouseup</u>	Specifies a behavior on mouseup events.
<u>ng-non-bindable</u>	Specifies that no data binding can happen in this element, or its children.
<u>ng-open</u>	Specifies the open attribute of an element.
<u>ng-options</u>	Specifies <options> in a <select> list.
<u>ng-paste</u>	Specifies a behavior on paste events.
ng-pluralize	Specifies a message to display according to en-us localization rules.
<u>ng-readonly</u>	Specifies the readonly attribute of an element.
<u>ng-repeat</u>	Defines a template for each data in a collection.
<u>ng-required</u>	Specifies the required attribute of an element.
<u>ng-selected</u>	Specifies the selected attribute of an element.
<u>ng-show</u>	Shows or hides HTML elements.
<u>ng-src</u>	Specifies the src attribute for the <img> element.
<u>ng-srcset</u>	Specifies the srcset attribute for the <img> element.
<u>ng-style</u>	Specifies the style attribute for an element.
<u>ng-submit</u>	Specifies expressions to run on onsubmit events.
<u>ng-switch</u>	Specifies a condition that will be used to show/hide child elements.
ng-transclude	Specifies a point to insert transcluded elements.
<u>ng-value</u>	Specifies the value of an input element.

## AngularJS Directives on HTML Elements

AngularJS modifies the default behavior of some HTML elements.

Element	Description
<u>a</u>	AngularJS modifies the <a> element's default behaviors.
<u>form</u>	AngularJS modifies the <form> element's default behaviors.
<u>input</u>	AngularJS modifies the <input> element's default behaviors.

<code>script</code>	AngularJS modifies the <code>&lt;script&gt;</code> element's default behaviors.
<code>select</code>	AngularJS modifies the <code>&lt;select&gt;</code> element's default behaviors.
<u><code>textarea</code></u>	AngularJS modifies the <code>&lt;textarea&gt;</code> element's default behaviors.

## AngularJS Filters

Filter	Description
<u><code>currency</code></u>	Format a number to a currency format.
<u><code>date</code></u>	Format a date to a specified format.
<u><code>filter</code></u>	Select a subset of items from an array.
<u><code>json</code></u>	Format an object to a JSON string.
<u><code>limitTo</code></u>	Limits an array, or a string, into a specified number of elements/characters.
<u><code>lowercase</code></u>	Format a string to lower case.
<u><code>number</code></u>	Format a number to a string.
<u><code>orderBy</code></u>	Orders an array by an expression.
<u><code>uppercase</code></u>	Format a string to upper case.

Filters are explained in [Angular Filters](#).

## AngularJS Validation Properties

- `$dirty`
- `$invalid`
- `$error`

Validation is explained in [Angular Validation](#).

## AngularJS Global API

### Converting

API	Description
angular.lowercase()	Converts a string to lowercase
angular.uppercase()	Converts a string to uppercase
angular.copy()	Creates a deep copy of an object or an array
angular.forEach()	Executes a function for each element in an object or array

## Comparing

API	Description
angular.isArray()	Returns true if the reference is an array
angular.isDate()	Returns true if the reference is a date
angular.isDefined()	Returns true if the reference is defined
angular.isElement()	Returns true if the reference is a DOM element
angular.isFunction()	Returns true if the reference is a function
angular.isNumber()	Returns true if the reference is a number
angular.isObject()	Returns true if the reference is an object
angular.isString()	Returns true if the reference is a string
angular.isUndefined()	Returns true if the reference is undefined
angular.equals()	Returns true if two references are equal

## JSON

API	Description
angular.fromJSON()	Deserializes a JSON string
angular.toJSON()	Serializes a JSON string

## Basic

API	Description
angular.bootstrap()	Starts AngularJS manually

<code>angular.element()</code>	Wraps an HTML element as an jQuery element
<code>angular.module()</code>	Creates, registers, or retrieves an AngularJS module

The Global API is explained in [Angular API](#).

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