

Tree selection control.

When To Use

`TreeSelect` is similar to `Select`, but the values are provided in a tree like structure. Any data whose entries are defined in a hierarchical manner is fit to use this control. Examples of such case may include a corporate hierarchy, a directory structure, and so on.

API

Tree props

Property	Description	Type	Default
<code>allowClear</code>	Whether allow clear	boolean	false
<code>autoClearSearchValue</code>	If auto clear search input value when multiple select is selected/deselected	boolean	true
<code>bordered</code>	Whether has border style	boolean	true
<code>defaultValue</code>	To set the initial selected treeNode(s)	string string[]	-
<code>disabled</code>	Disabled or not	boolean	false
<code>dropdownClassName</code>	The className of dropdown menu	string	-
<code>dropdownMatchSelectWidth</code>	Determine whether the dropdown menu and the select input are the same width. Default set <code>min-width</code> same as input. Will ignore when value less than select width. <code>false</code> will disable virtual scroll	boolean number	true
<code>dropdownRender</code>	Customize dropdown content	(originNode: ReactNode, props) => ReactNode	-
<code>dropdownStyle</code>	To set the style of the dropdown menu	CSSProperties	-
<code>fieldNames</code>	Customize node label, value, children field name	object	{ label: label, value: value, children: children }
<code>filterTreeNode</code>	Whether to filter	boolean	function

	treeNodes by input value. The value of <code>treeNodeFilterProp</code> is used for filtering by default	function(inputValue: string, treeNode: TreeNode) (should return boolean)	
getPopupContainer	To set the container of the dropdown menu. The default is to create a <code>div</code> element in <code>body</code> , you can reset it to the scrolling area and make a relative reposition. example	function(triggerNode)	() => document.body
labelInValue	Whether to embed label in value, turn the format of value from <code>string</code> to <code>{value: string, label: ReactNode, halfChecked: string[]}</code>	boolean	false
listHeight	Config popup height	number	256
loadData	Load data asynchronously	function(node)	-
maxTagCount	Max tag count to show. <code>responsive</code> will cost render performance	number <code>responsive</code>	-
maxTagPlaceholder	Placeholder for not showing tags	ReactNode function(omittedValues)	-
multiple	Support multiple or not, will be <code>true</code> when enable <code>treeCheckable</code>	boolean	false
notFoundContent	Specify content to show when no result matches	ReactNode	Not Found
placeholder	Placeholder of the select input	string	-
placement	The position where the selection box pops up	<code>bottomLeft</code> <code>bottomRight</code> <code>topLeft</code> <code>topRight</code>	<code>bottomLeft</code>
searchValue	Work with <code>onSearch</code> to make search value controlled	string	-
showArrow	Whether to show the <code>suffixIcon</code> , when single selection mode, default <code>true</code>	boolean	-

showCheckedStrategy	<p>The way show selected item in box when <code>treeCheckable</code> set.</p> <p>Default: just show child nodes.</p> <p>TreeSelect.SHOW_ALL: show all checked <code>treeNodes</code> (include parent <code>treeNode</code>).</p> <p>TreeSelect.SHOW_PARENT: show checked <code>treeNodes</code> (just show parent <code>treeNode</code>)</p>	<p>TreeSelect.SHOW_ALL </p> <p>TreeSelect.SHOW_PARENT </p> <p>TreeSelect.SHOW_CHILD</p>	TreeSelect.SHOW_CHILD
showSearch	Support search or not	boolean	single: false multiple: true
size	To set the size of the select input	large middle small	-
status	Set validation status	'error' 'warning'	-
suffixIcon	<p>The custom suffix icon, you must set <code>showArrow</code> to <code>true</code> manually in multiple selection mode</p>	ReactNode	-
switcherIcon	customize collapse expand icon of tree node	ReactNode	-
tagRender	Customize tag render when <code>multiple</code>	(props) => ReactNode	-
treeCheckable	Whether to show checkbox on the <code>treeNodes</code>	boolean	false
treeCheckStrictly	<p>Whether to check nodes precisely (in the <code>checkable</code> mode), means parent and child nodes are not associated, and it will make <code>labelInValue</code> be true</p>	boolean	false
treeData	Data of the <code>treeNodes</code> , manual construction work is no longer needed if this property has been set (ensure the	array<{ value, title, children, [disabled, disableCheckbox, selectable, checkable] }>	[]

	Uniqueness of each value)		
treeDataSimpleMode	Enable simple mode of treeData. Changes the treeData schema to: <code>[[{id:1, pld:0, value:'1', title:"test1",...},...]]</code> where pld is parent node's id). It is possible to replace the default id and pld keys by providing object to treeDataSimpleMode	boolean object<{ id: string, pld: string, rootPld: string }>	false
treeDefaultExpandAll	Whether to expand all treeNodes by default	boolean	false
treeDefaultExpandedKeys	Default expanded treeNodes	string[]	-
treeExpandedKeys	Set expanded keys	string[]	-
treeIcon	Shows the icon before a TreeNode's title. There is no default style; you must set a custom style for it if set to true	boolean	false
treeLoadedKeys	(Controlled) Set loaded tree nodes, work with loadData only	string[]	[]
treeLine	Show the line. Ref Tree - showLine	boolean object	false
treeNodeFilterProp	Will be used for filtering if filterTreeNode returns true	string	value
treeNodeLabelProp	Will render as content of select	string	title
value	To set the current selected treeNode(s)	string string[]	-
virtual	Disable virtual scroll when set to false	boolean	true
onChange	A callback function, can be executed when selected treeNodes or input value change	function(value, label, extra)	-
onDropdownVisibleChange	Called when dropdown open	function(open)	-

onSearch	A callback function, can be executed when the search input changes	function(value: string)	-
onSelect	A callback function, can be executed when you select a treeNode	function(value, node, extra)	-
onTreeExpand	A callback function, can be executed when treeNode expanded	function(expandedKeys)	-

Tree Methods

Name	Description	Version
blur()	Remove focus	
focus()	Get focus	

TreeNode props

We recommend you to use `treeData` rather than `TreeNode`, to avoid the trouble of manual construction.

Property	Description	Type	Default	Version
checkable	When Tree is checkable, set TreeNode display Checkbox or not	boolean	-	
disableCheckbox	Disables the checkbox of the treeNode	boolean	false	
disabled	Disabled or not	boolean	false	
isLeaf	Leaf node or not	boolean	false	
key	Required property (unless using <code>treeDataSimpleMode</code>), should be unique in the tree	string	-	
selectable	Whether can be selected	boolean	true	
title	Content showed on the treeNodes	ReactNode	---	
value	Will be treated as <code>treeNodeFilterProp</code> by default, should be unique in the tree	string	-	

FAQ

How to get parent node in onChange?

We don't provide this since performance consideration. You can get by this way:

<https://codesandbox.io/s/wk080nn81k>

Why sometime customize Option cause scroll break?

You can ref Select [FAQ](#).