Switch

Switching Selector.

When To Use

- If you need to represent the switching between two states or on-off state.
- The difference between `Switch` and `Checkbox` is that `Switch` will trigger a state change directly when you toggle it, while `Checkbox` is generally used for state marking, which should work in conjunction with submit operation.

Examples

Basic

The most basic usage.

```
import React from 'react';
import { Switch } from 'antd';

const onChange = (checked: boolean) => {
  console.log(`switch to ${checked}`);
};

const App: React.FC = () => <Switch defaultChe

export default App;
```

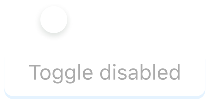
Text & icon

With text and icon.

```
import React from 'react';
import { CheckOutlined, CloseOutlined } from '
import { Switch, Space } from 'antd';

const App: React.FC = () => (
  <Space direction="vertical">
    <Switch checkedChildren="开启" unCheckedCh
    <Switch checkedChildren="1" unCheckedChil
    <Switch
      checkedChildren={<CheckOutlined />}
      unCheckedChildren={<CloseOutlined />}
      defaultChecked
    />
  </Space>
);

export default App;
```



Disabled

Disabled state of `Switch`.

```
import React, { useState } from 'react';
import { Button, Space, Switch } from 'antd';

const App: React.FC = () => {
  const [disabled, setDisabled] = useState(tru

  const toggle = () => {
    setDisabled(!disabled);
  };

  return (
    <Space direction="vertical">
      <Switch disabled={disabled} defaultCheck
      <Button type="primary" onClick={toggle}>
        Toggle disabled
      </Button>
    </Space>
  );
};

export default App;
```

Two sizes

`size="small"` represents a small sized switch.

```
import React from 'react';
import { Switch } from 'antd';

const App: React.FC = () => (
  <>
    <Switch defaultChecked />
    <br />
    <Switch size="small" defaultChecked />
  </>
);

export default App;
```

Loading

Mark a pending state of switch.

```
import React from 'react';
import { Switch } from 'antd';

const App: React.FC = () => (
  <>
    <Switch loading defaultChecked />
    <br />
    <Switch size="small" loading />
  </>
);

export default App;
```

API

Property	Description	Type	Default
autoFocus	Whether get focus when component mounted	boolean	false
checked	Determine whether the Switch is checked	boolean	false
checkedChildren	The content to be shown when the state is checked	ReactNode	-
className	The additional class to Switch	string	-
defaultChecked	Whether to set the initial state	boolean	false
disabled	Disable switch	boolean	false
loading	Loading state of switch	boolean	false
size	The size of the Switch, options: `default` `small`	string	`default`
unCheckedChildren	The content to be shown when the state is unchecked	ReactNode	-
onChange	Trigger when the checked state is changing	function(checked: boolean, event: Event)	-
onClick	Trigger when clicked	function(checked: boolean, event: Event)	-

Methods

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

Design Token

▾ Global Token

Token Name	Description	Type	Default Value
colorBgContainer	Container background color, e.g: default button, input box, etc. Be sure not to confuse this with `colorBgElevated`.	string	□ #ffffff
colorPrimary	Brand color is one of the most direct visual elements to reflect the characteristics and communication of the product. After you have selected the brand color, we will automatically generate a complete color palette and assign it effective design semantics.	string	□ #1677ff
colorPrimaryBorder	The stroke color under the main color gradient, used on the stroke of components such as Slider.	string	□ #91caff
colorPrimaryHover	Hover state under the main color gradient.	string	□ #4096ff
colorText	Default text color which comply with W3C standards, and this color is also the darkest neutral color.	string	□ rgba(0, 0, 0, 0.88)
colorTextLightSolid	Control the highlight color of text with background color, such as the text in Primary Button components.	string	□ #fff
colorTextQuaternary	The fourth level of text color is the lightest text color, such as form input prompt text, disabled color text, etc.	string	□ rgba(0, 0, 0, 0.25)
colorTextTertiary	The third level of text color is generally used for descriptive text, such as form supplementary explanation text, list descriptive text, etc.	string	□ rgba(0, 0, 0, 0.45)
colorWhite	Pure white color don't changed by theme	string	□ #fff
controlHeight	The height of the basic controls such as buttons and input boxes in Ant Design	number	32
fontFamily	The font family of Ant Design prioritizes the default interface font of the system, and provides a set of alternative font libraries that are suitable for screen display to maintain the readability and readability of the font under different platforms and browsers, reflecting the friendly, stable and professional characteristics.	string	-apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, 'Helvetica Neue', Arial, 'Noto Sans', sans-serif, 'Apple Color Emoji', 'Segoe UI Emoji', 'Segoe UI Symbol', 'Noto Color Emoji'

Token Name	Description	Type	Default Value
fontSize	The most widely used font size in the design system, from which the text gradient will be derived.	`number`	14
fontSizeIcon	Control the font size of operation icon in Select, Cascader, etc. Normally same as fontSizeSM.	`number`	12
fontSizeSM	Small font size	`number`	12
lineHeight	Line height of text.	`number`	1.5714285714285714
lineWidthFocus	Control the width of the line when the component is in focus state.	`number`	4
marginXXS	Control the margin of an element, with the smallest size.	`number`	4
motionDurationMid	Motion speed, medium speed. Used for medium element animation interaction.	`string`	0.2s
opacityLoading	Control the opacity of the loading state.	`number`	0.65