When To Use

A Drawer is a panel that is typically overlaid on top of a page and slides in from the side. It contains a set of information or actions. Since the user can interact with the Drawer without leaving the current page, tasks can be achieved more efficiently within the same context.

- Use a Form to create or edit a set of information.
- Processing subtasks. When subtasks are too heavy for a Popover and we still want to keep the subtasks in the context of the main task, Drawer comes very handy.
- When the same Form is needed in multiple places.

Notes for developers

Since the 5.17.0, we provided the loading prop by the Spin. However, since the 5.18.0 version, we have fixed this design error and replaced the Spin with the Skeleton, and also modified the type of loading prop, which can only accept boolean type.

Examples

Basic

```
import React, { useState } from 'react';
import { Button, Drawer } from 'antd';
const App: React.FC = () => {
 const [open, setOpen] = useState(false);
 const showDrawer = () => {
   setOpen(true);
 };
 const onClose = () => {
   setOpen(false);
 };
 return (
     <Button type="primary" onClick={showDrawer}>
       0pen
     </Button>
     <Drawer title="Basic Drawer" onClose={onClose} open={open}>
       Some contents...
       Some contents...
       Some contents...
     </Drawer>
   </>
 );
```

```
};
export default App;
```

Custom Placement

```
import React, { useState } from 'react';
import type { DrawerProps, RadioChangeEvent } from 'antd';
import { Button, Drawer, Radio, Space } from 'antd';
const App: React.FC = () => {
 const [open, setOpen] = useState(false);
  const [placement, setPlacement] = useState<DrawerProps['placement']>
('left');
  const showDrawer = () => {
    setOpen(true);
  }:
  const onClose = () => {
   setOpen(false);
  };
  const onChange = (e: RadioChangeEvent) => {
    setPlacement(e.target.value);
 };
  return (
      <Space>
        <Radio.Group value={placement} onChange={onChange}>
          <Radio value="top">top</Radio>
          <Radio value="right">right
          <Radio value="bottom">bottom</Radio>
          <Radio value="left">left</Radio>
        </Radio.Group>
        <Button type="primary" onClick={showDrawer}>
          0pen
        </Button>
      </Space>
      <Drawer
        title="Basic Drawer"
        placement={placement}
        closable={false}
        onClose={onClose}
        open={open}
```

Loading

v5.17.0

```
import React from 'react';
import { Button, Drawer } from 'antd';
const App: React.FC = () => {
  const [open, setOpen] = React.useState<boolean>(false);
  const [loading, setLoading] = React.useState<boolean>(true);
  const showLoading = () => {
    setOpen(true);
   setLoading(true);
    // Simple loading mock. You should add cleanup logic in real world.
    setTimeout(() => {
      setLoading(false);
   }, 2000);
  };
  return (
      <Button type="primary" onClick={showLoading}>
        Open Drawer
      </Button>
      <Drawer
        closable
        destroyOnClose
        title={Loading Drawer}
        placement="right"
        open={open}
        loading={loading}
        onClose={() => setOpen(false)}
```

Extra Actions

```
import React, { useState } from 'react';
import { Button, Drawer, Radio, Space } from 'antd';
import type { DrawerProps, RadioChangeEvent } from 'antd';
const App: React.FC = () => {
 const [open, setOpen] = useState(false);
  const [placement, setPlacement] = useState<DrawerProps['placement']>
('right');
  const showDrawer = () => {
    setOpen(true);
  };
  const onChange = (e: RadioChangeEvent) => {
    setPlacement(e.target.value);
  };
  const onClose = () => {
    setOpen(false);
  };
  return (
    <>
      <Space>
        <Radio.Group value={placement} onChange={onChange}>
          <Radio value="top">top</Radio>
          <Radio value="right">right</Radio>
          <Radio value="bottom">bottom</Radio>
          <Radio value="left">left</Radio>
```

```
</Radio.Group>
       <Button type="primary" onClick={showDrawer}>
         0pen
       </Button>
     </Space>
     <Drawer
       title="Drawer with extra actions"
       placement={placement}
       width={500}
       onClose={onClose}
       open={open}
       extra={
         <Space>
           <Button onClick={onClose}>Cancel
           <Button type="primary" onClick={onClose}>
             0K
           </Button>
         </Space>
       }
       Some contents...
       Some contents...
       Some contents...
     </Drawer>
   </>
 );
};
export default App;
```

Render in current dom

```
import React, { useState } from 'react';
import { Button, Drawer, theme } from 'antd';

const App: React.FC = () => {
  const { token } = theme.useToken();
  const [open, setOpen] = useState(false);

const showDrawer = () => {
    setOpen(true);
  };

const onClose = () => {
    setOpen(false);
  };
```

```
const containerStyle: React.CSSProperties = {
    position: 'relative',
    height: 200,
    padding: 48,
    overflow: 'hidden',
    background: token.colorFillAlter,
    border: `1px solid ${token.colorBorderSecondary}`,
    borderRadius: token.borderRadiusLG,
  };
  return (
    <div style={containerStyle}>
      Render in this
      <div style={{ marginTop: 16 }}>
        <Button type="primary" onClick={showDrawer}>
          0pen
        </Button>
      </div>
      <Drawer
       title="Basic Drawer"
        placement="right"
        closable={false}
        onClose={onClose}
        open={open}
        getContainer={false}
        Some contents...
      </Drawer>
    </div>
 );
};
export default App;
```

Submit form in drawer

```
import React, { useState } from 'react';
import { PlusOutlined } from '@ant-design/icons';
import { Button, Col, DatePicker, Drawer, Form, Input, Row, Select, Space }
from 'antd';

const { Option } = Select;

const App: React.FC = () => {
   const [open, setOpen] = useState(false);
```

```
const showDrawer = () => {
   setOpen(true);
  };
  const onClose = () => {
   setOpen(false);
 };
  return (
    <>
      <Button type="primary" onClick={showDrawer} icon={<PlusOutlined />}>
       New account
      </Button>
      <Drawer
       title="Create a new account"
       width={720}
        onClose={onClose}
        open={open}
        styles={{
          body: {
            paddingBottom: 80,
          },
        }}
        extra={
          <Space>
            <Button onClick={onClose}>Cancel
            <Button onClick={onClose} type="primary">
              Submit
            </Button>
          </Space>
        }
        <Form layout="vertical" hideRequiredMark>
          <Row gutter={16}>
            <Col span={12}>
              <Form.Item
                name="name"
                label="Name"
                rules={[{ required: true, message: 'Please enter user name'
}]}
                <Input placeholder="Please enter user name" />
             </Form.Item>
            </Col>
            <Col span={12}>
```

```
<Form.Item
               name="url"
                label="Url"
               rules={[{ required: true, message: 'Please enter url' }]}
               <Input
                  style={{ width: '100%' }}
                  addonBefore="http://"
                  addonAfter=".com"
                  placeholder="Please enter url"
               />
              </Form.Item>
           </Col>
          </Row>
          <Row gutter={16}>
           <Col span={12}>
             <Form.Item
               name="owner"
               label="Owner"
               rules={[{ required: true, message: 'Please select an owner'
}]}
               <Select placeholder="Please select an owner">
                 <Option value="xiao">Xiaoxiao Fu</pri>
                 <Option value="mao">Maomao Zhou
               </Select>
              </Form.Item>
           </Col>
           <Col span={12}>
              <Form.Item
               name="type"
               label="Type"
                rules={[{ required: true, message: 'Please choose the type'
}]}
               <Select placeholder="Please choose the type">
                 <Option value="private">Private</pri>
                 <Option value="public">Public
               </Select>
              </Form.Item>
           </Col>
          </Row>
          <Row gutter={16}>
           <Col span={12}>
              <Form.Item
               name="approver"
```

```
label="Approver"
                rules={[{ required: true, message: 'Please choose the
approver' }]}
                <Select placeholder="Please choose the approver">
                  <Option value="jack">Jack Ma</Option>
                  <Option value="tom">Tom Liu
                </Select>
              </Form.Item>
            </Col>
            <Col span={12}>
              <Form.Item
                name="dateTime"
                label="DateTime"
                rules={[{ required: true, message: 'Please choose the
dateTime' }]}
                <DatePicker.RangePicker</pre>
                  style={{ width: '100%' }}
                  getPopupContainer={(trigger) => trigger.parentElement!}
                />
              </Form.Item>
            </Col>
          </Row>
          <Row gutter={16}>
            <Col span={24}>
              <Form.Item
                name="description"
                label="Description"
                rules={[
                  {
                    required: true,
                    message: 'please enter url description',
                  },
                ]}
                <Input.TextArea rows={4} placeholder="please enter url</pre>
description" />
              </Form.Item>
            </Col>
          </Row>
        </Form>
      </Drawer>
   </>
  );
};
```

```
export default App;
```

Preview drawer

```
import React, { useState } from 'react';
import { Avatar, Col, Divider, Drawer, List, Row } from 'antd';
interface DescriptionItemProps {
 title: string;
 content: React.ReactNode;
}
const DescriptionItem = ({ title, content }: DescriptionItemProps) => (
 <div className="site-description-item-profile-wrapper">
   {title}:
   {content}
 </div>
);
const App: React.FC = () => {
 const [open, setOpen] = useState(false);
 const showDrawer = () => {
   setOpen(true);
 };
 const onClose = () => {
   setOpen(false);
 };
  return (
   <>
     <List
       dataSource={[
         {
           id: 1,
           name: 'Lily',
         },
           id: 2,
           name: 'Lily',
         },
       ]}
       bordered
       renderItem={(item) => (
```

```
<List.Item
          key={item.id}
          actions={[
            <a onClick={showDrawer} key={`a-${item.id}`}>
              View Profile
            </a>,
          1}
          <List.Item.Meta
            avatar={
              <Avatar
src="https://qw.alipayobjects.com/zos/rmsportal/BiazfanxmamNRoxxVxka.png"
/>
            }
            title={<a href="https://ant.design/index-cn">{item.name}</a>}
            description="Progresser XTech"
          />
         </List.Item>
       )}
     />
     <Drawer width={640} placement="right" closable={false} onClose=</pre>
{onClose} open={open}>
       marginBottom: 24 }}>
        User Profile
       Personal
       <Row>
         <Col span={12}>
          <DescriptionItem title="Full Name" content="Lily" />
         </Col>
         <Col span={12}>
          <DescriptionItem title="Account"</pre>
content="AntDesign@example.com" />
         </Col>
       </Row>
       <Row>
         <Col span={12}>
          <DescriptionItem title="City" content="HangZhou" />
        </Col>
         <Col span={12}>
          <DescriptionItem title="Country" content="China" />
         </Col>
       </Row>
       <Row>
         <Col span={12}>
```

```
</Col>
         <Col span={12}>
           <DescriptionItem title="Website" content="-" />
       </Row>
       <Row>
         <Col span={24}>
           <DescriptionItem</pre>
             title="Message"
             content="Make things as simple as possible but no simpler."
           />
         </Col>
       </Row>
       <Divider />
       Company
       <Row>
         <Col span={12}>
           <DescriptionItem title="Position" content="Programmer" />
         </Col>
         <Col span={12}>
           <DescriptionItem title="Responsibilities" content="Coding" />
         </Col>
       </Row>
       <Row>
         <Col span={12}>
           <DescriptionItem title="Department" content="XTech" />
         </Col>
         <Col span={12}>
           <DescriptionItem title="Supervisor" content={<a>Lin</a>} />
         </Col>
       </Row>
       <Row>
         <Col span={24}>
           <DescriptionItem</pre>
             title="Skills"
             content="C / C + +, data structures, software engineering,
operating systems, computer networks, databases, compiler theory, computer
architecture, Microcomputer Principle and Interface Technology, Computer
English, Java, ASP, etc."
           />
         </Col>
       </Row>
       <Divider />
       Contacts
       <Row>
```

<DescriptionItem title="Birthday" content="February 2,1900" />

```
<Col span={12}>
            <DescriptionItem title="Email" content="AntDesign@example.com"</pre>
/>
          </Col>
          <Col span={12}>
            <DescriptionItem title="Phone Number" content="+86 181 0000</pre>
0000" />
          </Col>
        </Row>
        <Row>
          <Col span={24}>
            <DescriptionItem</pre>
              title="Github"
               content={
                 <a href="http://github.com/ant-design/ant-design/"
target="_blank" rel="noreferrer">
                   github.com/ant-design/ant-design/
                 </a>
               }
            />
          </Col>
        </Row>
      </Drawer>
    </>
  );
};
export default App;
```

Multi-level drawer

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

const App: React.FC = () => {
  const [open, setOpen] = useState(false);
  const [childrenDrawer, setChildrenDrawer] = useState(false);

const showDrawer = () => {
  setOpen(true);
  };

const onClose = () => {
  setOpen(false);
  };
```

```
const showChildrenDrawer = () => {
    setChildrenDrawer(true);
  };
  const onChildrenDrawerClose = () => {
   setChildrenDrawer(false);
  };
  return (
    <>
      <Button type="primary" onClick={showDrawer}>
        Open drawer
      </Button>
      <Drawer title="Multi-level drawer" width={520} closable={false}</pre>
onClose={onClose} open={open}>
        <Button type="primary" onClick={showChildrenDrawer}>
          Two-level drawer
        </Button>
        <Drawer
          title="Two-level Drawer"
          width={320}
          closable={false}
          onClose={onChildrenDrawerClose}
          open={childrenDrawer}
          This is two-level drawer
        </Drawer>
      </Drawer>
   </>
 );
};
export default App;
```

Preset size

```
import React, { useState } from 'react';
import { Button, Drawer, Space } from 'antd';
import type { DrawerProps } from 'antd';

const App: React.FC = () => {
  const [open, setOpen] = useState(false);
  const [size, setSize] = useState<DrawerProps['size']>();

const showDefaultDrawer = () => {
  setSize('default');
```

```
setOpen(true);
 };
  const showLargeDrawer = () => {
   setSize('large');
   setOpen(true);
  };
  const onClose = () => {
   setOpen(false);
 };
  return (
   <>
     <Space>
       <Button type="primary" onClick={showDefaultDrawer}>
         Open Default Size (378px)
       </Button>
       <Button type="primary" onClick={showLargeDrawer}>
         Open Large Size (736px)
       </Button>
     </Space>
     <Drawer
       title={`${size} Drawer`}
       placement="right"
       size={size}
       onClose={onClose}
       open={open}
       extra={
         <Space>
           <Button onClick={onClose}>Cancel
           <Button type="primary" onClick={onClose}>
             0K
           </Button>
         </Space>
       }
        Some contents...
       Some contents...
       Some contents...
     </Drawer>
   </>
  );
};
export default App;
```

```
import React, { useState } from 'react';
import { Button, ConfigProvider, Drawer, Space } from 'antd';
import { createStyles, useTheme } from 'antd-style';
import type { DrawerClassNames, DrawerStyles } from
'antd/es/drawer/DrawerPanel';
const useStyle = createStyles(({ token }) => ({
  'my-drawer-body': {
   background: token.blue1,
  },
  'my-drawer-mask': {
   boxShadow: `inset 0 0 15px #fff`,
  },
  'my-drawer-header': {
   background: token.green1,
  },
  'my-drawer-footer': {
    color: token.colorPrimary,
  },
  'my-drawer-content': {
   borderLeft: '2px dotted #333',
  },
}));
const App: React.FC = () => {
  const [open, setOpen] = useState([false, false]);
  const { styles } = useStyle();
  const token = useTheme();
  const toggleDrawer = (idx: number, target: boolean) => {
    setOpen((p) => {
      p[idx] = target;
      return [...p];
   });
  };
  const classNames: DrawerClassNames = {
    body: styles['my-drawer-body'],
    mask: styles['my-drawer-mask'],
    header: styles['my-drawer-header'],
    footer: styles['my-drawer-footer'],
    content: styles['my-drawer-content'],
  };
```

```
const drawerStyles: DrawerStyles = {
 mask: {
    backdropFilter: 'blur(10px)',
 },
 content: {
    boxShadow: '-10px 0 10px #666',
 },
 header: {
   borderBottom: `1px solid ${token.colorPrimary}`,
 },
 body: {
   fontSize: token.fontSizeLG,
 },
 footer: {
   borderTop: `1px solid ${token.colorBorder}`,
 },
};
return (
 <>
     <Button type="primary" onClick={() => toggleDrawer(0, true)}>
        0pen
     </Button>
     <Button type="primary" onClick={() => toggleDrawer(1, true)}>
        ConfigProvider
     </Button>
    </Space>
    <Drawer
     title="Basic Drawer"
     placement="right"
     footer="Footer"
     onClose={() => toggleDrawer(0, false)}
     open={open[0]}
     classNames={classNames}
     styles={drawerStyles}
      Some contents...
     Some contents...
     Some contents...
    </Drawer>
    <ConfigProvider
     drawer={{
       classNames,
        styles: drawerStyles,
     }}
```

ConfigProvider

Debug

```
import React, { useRef, useState } from 'react';
import { Button, ConfigProvider, Drawer } from 'antd';
const App: React.FC = () => {
  const domRef = useRef<HTMLDivElement>(null);
 const [open, setOpen] = useState(false);
 const showDrawer = () => {
   setOpen(true);
 };
 const onClose = () => {
   setOpen(false);
 };
  return (
   <ConfigProvider getPopupContainer={() => domRef.current!}>
      <div ref={domRef} className="site-drawer-render-in-current-wrapper">
        <Button type="primary" onClick={showDrawer}>
          0pen
        </Button>
        <Drawer
          rootStyle={{ position: 'absolute' }}
```

No mask

Debug

```
import React, { useState } from 'react';
import { Button, Drawer } from 'antd';
const App: React.FC = () => {
  const [open, setOpen] = useState(false);
  const showDrawer = () => {
   setOpen(true);
 };
  const onClose = () => {
   setOpen(false);
 };
  return (
      <Button type="primary" onClick={showDrawer}>
        0pen
      </Button>
      <Drawer
        title="Drawer without mask"
        placement="right"
        mask={false}
        onClose={onClose}
        open={open}
        styles={{
```

```
mask: {
           width: 333,
           background: 'red',
           borderRadius: 20,
           boxShadow: '-5px 0 5px green',
           overflow: 'hidden',
         },
       }}
       Some contents...
       Some contents...
       Some contents...
     </Drawer>
   </>
 );
};
export default App;
```

_InternalPaneIDoNotUseOrYouWillBeFired

Debug

Scroll Debug

Debug

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

const App: React.FC = () => {
```

```
const [drawer, setDrawer] = useState(false);
const [drawer2, setDrawer2] = useState(false);
const [modal, setModal] = useState(false);
const [modal2, setModal2] = useState(false);
return (
 <div style={{ position: 'relative', zIndex: 999999 }}>
   <Space>
     <Switch
        checkedChildren="Drawer"
        unCheckedChildren="Drawer"
        checked={drawer}
        onChange={() => setDrawer(!drawer)}
     />
     <Switch
        checkedChildren="Drawer2"
        unCheckedChildren="Drawer2"
        checked={drawer2}
        onChange={() => setDrawer2(!drawer2)}
      />
      <Switch
        checkedChildren="Modal"
        unCheckedChildren="Modal"
        checked={modal}
        onChange={() => setModal(!modal)}
     />
     <Switch
        checkedChildren="Modal2"
        unCheckedChildren="Modal2"
        checked={modal2}
        onChange={() => setModal2(!modal2)}
     />
   </Space>
    <Drawer title="Drawer" open={drawer}>
     Some contents...
     <Drawer title="Drawer Sub" open={drawer}>
        Sub contents...
     </Drawer>
   </Drawer>
   <Drawer title="Drawer2" open={drawer2}>
      Some contents...
   </Drawer>
    <Modal title="Modal" open={modal}>
     Some contents...
   </Modal>
   <Modal title="Modal2" open={modal2}>
```

```
Some contents...
    </Modal>
    </div>
    );
};
export default App;
```

Component Token

Debug

```
import React from 'react';
import { ConfigProvider, Drawer } from 'antd';
/** Test usage. Do not use in your production. */
const { _InternalPanelDoNotUseOrYouWillBeFired: InternalDrawer } = Drawer;
export default () => (
 <ConfigProvider
    theme={{ components: { Drawer: { footerPaddingBlock: 0,
footerPaddingInline: 0 } }}
    <div style={{ padding: 32, background: '#e6e6e6' }}>
      <InternalDrawer title="Hello Title" style={{ height: 300 }}</pre>
footer="Footer!">
        Hello Content
      </InternalDrawer>
    </div>
 </ConfigProvider>
);
```

API

Common props ref: Common props

:::warning{title=Note} v5 uses rootClassName & rootStyle to configure the outermost element style, instead of className & style from v4. This is done to align the API with Modal. :::

Props	Description	Туре	Default	Version
autoFocus	Whether Drawer should get focused after open	boolean	true	4.17.0

afterOpenChange	Callback after the animation ends when switching drawers	function(open)	-	
className	Config Drawer Panel className. Use rootClassName if want to config top DOM style	string	-	
classNames	Semantic structure className	Record <semanticdom, string=""></semanticdom,>	-	5.10.0
closelcon	Custom close icon. 5.7.0: close button will be hidden when setting to null or false	ReactNode	<closeoutlined /></closeoutlined 	
destroyOnClose	Whether to unmount child components on closing drawer or not	boolean	false	
extra	Extra actions area at corner	ReactNode	-	4.17.0
footer	The footer for Drawer	ReactNode	-	
forceRender	Pre-render Drawer component forcibly	boolean	false	
getContainer	mounted node and display window for Drawer	HTMLElement () => HTMLElement Selectors false	body	
headerStyle	Style of the drawer header part	CSSProperties	-	

height	Placement is top or bottom, height of the Drawer dialog	string number	378	
keyboard	Whether support press esc to close	boolean	true	
mask	Whether to show mask or not	boolean	true	
maskClosable	Clicking on the mask (area outside the Drawer) to close the Drawer or not	boolean	true	
placement	The placement of the Drawer	<pre>top right bottom left</pre>	right	
push	Nested drawers push behavior	boolean { distance: string number }	{ distance: 180 }	4.5.0+
rootStyle	Style of wrapper element which contains mask compare to style	CSSProperties	-	
style	Style of Drawer panel. Use styles.body if want to config body only	CSSProperties	-	
styles	Semantic structure style	Record <semanticdom, cssproperties=""></semanticdom,>	-	5.10.0
size	preset size of drawer, default 378px and large 736px	'default' 'large'	'default'	4.17.0
title	The title for Drawer	ReactNode	-	

loading	Show the Skeleton	boolean	false	5.17.0
open	Whether the Drawer dialog is visible or not	boolean	false	
width	Width of the Drawer dialog	string number	378	
zIndex	The z-index of the Drawer	number	1000	
onClose	Specify a callback that will be called when a user clicks mask, close button or Cancel button	function(e)	-	
drawerRender	Custom drawer content render	(node: ReactNode) => ReactNode	-	5.18.0

Semantic DOM

演示

```
import React from 'react';
import { Drawer, Typography } from 'antd';
import SemanticPreview from '../../.dumi/components/SemanticPreview';
import useLocale from '../../.dumi/hooks/useLocale';
const locales = {
 cn: {
   mask: '遮罩层元素',
   content: 'Drawer 容器元素',
   header: '头部元素',
   body: '内容元素',
   footer: '底部元素',
 },
  en: {
   mask: 'Mask element',
   content: 'Drawer container element',
   header: 'Header element',
   body: 'Body element',
```

```
footer: 'Footer element',
 },
};
const App: React.FC = () => {
  const [locale] = useLocale(locales);
  return (
    <SemanticPreview</pre>
      componentName="Drawer"
      semantics={[
        { name: 'mask', desc: locale.mask, version: '5.13.0' },
        { name: 'content', desc: locale.content, version: '5.13.0' },
        { name: 'header', desc: locale.header, version: '5.13.0' },
        { name: 'body', desc: locale.body, version: '5.13.0' },
        { name: 'footer', desc: locale.footer, version: '5.13.0' },
      1}
      height={300}
      <Drawer
        title="Title"
        placement="right"
        footer={<Typography.Link>Footer</Typography.Link>}
        closable={false}
        open
        getContainer={false}
        Some contents...
      </Drawer>
    </SemanticPreview>
 );
};
export default App;
```

Design Token