何时使用 {#when-to-use}

避免组件紧贴在一起,拉开统一的空间。

- 适合行内元素的水平间距。
- 可以设置各种水平对齐方式。
- 需要表单组件之间紧凑连接且合并边框时,使用 Space.Compact (自 antd@4.24.0 版本开始 提供该组件)。

与 Flex 组件的区别

- Space 为内联元素提供间距,其本身会为每一个子元素添加包裹元素用于内联对齐。适用于行、列中多个子元素的等距排列。
- Flex 为块级元素提供间距,其本身不会添加包裹元素。适用于垂直或水平方向上的子元素布局,并 提供了更多的灵活性和控制能力。

代码演示

基本用法

```
import React from 'react';
import { UploadOutlined } from '@ant-design/icons';
import { Button, Popconfirm, Space, Upload } from 'antd';
const App: React.FC = () => (
 <Space>
   Space
    <Button type="primary">Button/Button>
    <Upload>
      <Button icon={<UploadOutlined />}>Click to Upload</Button>
    </Upload>
    <Popconfirm title="Are you sure delete this task?" okText="Yes"
cancelText="No">
      <Button>Confirm</Button>
    </Popconfirm>
  </Space>
);
export default App;
```

垂直间距

间距大小

```
import React, { useState } from 'react';
import { Button, Radio, Slider, Space } from 'antd';
import type { ConfigProviderProps } from 'antd';
type SizeType = ConfigProviderProps['componentSize'];
const App: React.FC = () => {
  const [size, setSize] = useState<SizeType | [SizeType, SizeType] |</pre>
'customize'>('small');
  const [customSize, setCustomSize] = React.useState<number>(0);
  return (
      <Radio.Group value={size} onChange={(e) => setSize(e.target.value)}>
        {['small', 'middle', 'large', 'customize'].map((item) => (
          <Radio key={item} value={item}>
            {item}
          </Radio>
        ))}
      </Radio.Group>
      <br />
      <br />
      {size === 'customize' && (
          <Slider value={customSize} onChange={setCustomSize} />
          <br />
        </>
      )}
```

对齐

```
import React from 'react';
import { Button, Space } from 'antd';
const App: React.FC = () => (
  <div className="space-align-container">
    <div className="space-align-block">
      <Space align="center">
        center
        <Button type="primary">Primary/Button>
        <span className="mock-block">Block</span>
      </Space>
    </div>
    <div className="space-align-block">
      <Space align="start">
        start
        <Button type="primary">Primary/Button>
        <span className="mock-block">Block</span>
      </Space>
    </div>
    <div className="space-align-block">
      <Space align="end">
        end
        <Button type="primary">Primary/Button>
        <span className="mock-block">Block</span>
      </Space>
    </div>
    <div className="space-align-block">
      <Space align="baseline">
        baseline
        <Button type="primary">Primary
        <span className="mock-block">Block</span>
      </Space>
```

```
</div>
</div>
);

export default App;
```

自动换行

分隔符

紧凑布局组合

```
import React from 'react';
import { CopyOutlined } from '@ant-design/icons';
import {
  AutoComplete,
  Button,
```

```
Cascader,
 ColorPicker,
 DatePicker,
 Input,
 InputNumber,
 Select,
 Space,
 TimePicker,
 Tooltip,
 TreeSelect,
} from 'antd';
const { Option } = Select;
const { TreeNode } = TreeSelect;
const App: React.FC = () => (
 <Space direction="vertical">
   <Space.Compact block>
      <Input style={{ width: '20%' }} defaultValue="0571" />
      <Input style={{ width: '30%' }} defaultValue="26888888" />
   </Space.Compact>
   <Space.Compact block size="small">
      <Input style={{ width: 'calc(100% - 200px)' }}</pre>
defaultValue="https://ant.design" />
      <Button type="primary">Submit
   </Space.Compact>
    <Space.Compact block>
      <Input style={{ width: 'calc(100% - 200px)' }}</pre>
defaultValue="https://ant.design" />
      <Button type="primary">Submit/Button>
   </Space.Compact>
   <Space.Compact block>
      <Input
        style={{ width: 'calc(100% - 200px)' }}
       defaultValue="git@github.com:ant-design/ant-design.git"
      <Tooltip title="copy git url">
        <Button icon={<CopyOutlined />} />
      </Tooltip>
   </Space.Compact>
   <Space.Compact block>
      <Select defaultValue="Zhejiang" allowClear>
        <Option value="Zhejiang">Zhejiang
       <Option value="Jiangsu">Jiangsu
      </Select>
      <Input style={{ width: '50%' }} defaultValue="Xihu District,</pre>
```

```
Hangzhou" />
   </Space.Compact>
   <Space.Compact block>
      <Select allowClear mode="multiple" defaultValue="Zhejianggggg" style=</pre>
{{ width: '50%' }}>
        <Option value="Zhejianggggg">Zhejianggggg</Option>
       <Option value="Jiangsu">Jiangsu
     </Select>
     <Input style={{ width: '50%' }} defaultValue="Xihu District,</pre>
Hangzhou" />
   </Space.Compact>
   <Space.Compact block>
      <Input.Search style={{ width: '30%' }} defaultValue="0571" />
      <Input.Search allowClear style={{ width: '50%' }}</pre>
defaultValue="26888888" />
     <Input.Search style={{ width: '20%' }} defaultValue="+1" />
   </Space.Compact>
   <Space.Compact block>
     <Select defaultValue="Option1">
        <Option value="Option1">Option1
       <Option value="Option2">Option2
     </Select>
      <Input style={{ width: '50%' }} defaultValue="input content" />
      <InputNumber defaultValue={12} />
   </Space.Compact>
   <Space.Compact block>
      <Input style={{ width: '50%' }} defaultValue="input content" />
     <DatePicker style={{ width: '50%' }} />
   </Space.Compact>
   <Space.Compact block>
     <DatePicker.RangePicker style={{ width: '70%' }} />
     <Input style={{ width: '30%' }} defaultValue="input content" />
     <Button type="primary">查询</Button>
   </Space.Compact>
   <Space.Compact block>
      <Input style={{ width: '30%' }} defaultValue="input content" />
     <DatePicker.RangePicker style={{ width: '70%' }} />
   </Space.Compact>
   <Space.Compact block>
     <Select defaultValue="Option1-1">
        <Option value="Option1-1">Option1-1
        <Option value="Option1-2">Option1-2
      </Select>
     <Select defaultValue="Option2-2">
        <Option value="Option2-1">Option2-1
        <Option value="Option2-2">Option2-2
```

```
</Select>
   </Space.Compact>
   <Space.Compact block>
      <Select defaultValue="1">
        <Option value="1">Between</option>
        <Option value="2">Except</0ption>
      <Input style={{ width: 100, textAlign: 'center' }}</pre>
placeholder="Minimum" />
     <Input
        className="site-input-split"
        style={{
         width: 30,
          borderLeft: 0,
          borderRight: 0,
          pointerEvents: 'none',
        }}
        placeholder="~"
        disabled
      />
      <Input
        className="site-input-right"
        style={{
         width: 100,
         textAlign: 'center',
        }}
        placeholder="Maximum"
      />
   </Space.Compact>
   <Space.Compact block>
      <Select defaultValue="Sign Up" style={{ width: '30%' }}>
        <Option value="Sign Up">Sign Up</Option>
        <Option value="Sign In">Sign In
      </Select>
      <AutoComplete
        style={{ width: '70%' }}
        placeholder="Email"
        options={[{ value: 'text 1' }, { value: 'text 2' }]}
      />
   </Space.Compact>
   <Space.Compact block>
      <TimePicker style={{ width: '70%' }} />
      <Cascader
        style={{ width: '70%' }}
        options={[
          {
```

```
value: 'zhejiang',
        label: 'Zhejiang',
        children: [
            value: 'hangzhou',
            label: 'Hangzhou',
            children: [
              {
                value: 'xihu',
                label: 'West Lake',
              },
            ],
          },
        ],
      },
      {
        value: 'jiangsu',
        label: 'Jiangsu',
        children: [
          {
            value: 'nanjing',
            label: 'Nanjing',
            children: [
              {
                value: 'zhonghuamen',
                label: 'Zhong Hua Men',
              },
            ],
          },
        ],
      },
    placeholder="Select Address"
  />
</Space.Compact>
<Space.Compact block>
  <TimePicker.RangePicker />
  <TreeSelect
    showSearch
    style={{ width: '60%' }}
    value="leaf1"
    dropdownStyle={{ maxHeight: 400, overflow: 'auto' }}
    placeholder="Please select"
    allowClear
    treeDefaultExpandAll
    onChange={() => {}}
```

```
<TreeNode value="parent 1" title="parent 1">
          <TreeNode value="parent 1-0" title="parent 1-0">
            <TreeNode value="leaf1" title="leaf1" />
            <TreeNode value="leaf2" title="leaf2" />
          </TreeNode>
          <TreeNode value="parent 1-1" title="parent 1-1">
            <TreeNode value="leaf3" title={<b style={{ color: '#08c'</pre>
}}>leaf3</b>} />
          </TreeNode>
        </TreeNode>
      </TreeSelect>
      <Button type="primary">Submit
    </Space.Compact>
    <Space.Compact>
      <Input placeholder="input here" />
      <InputNumber placeholder="another input" addonBefore="$" />
      <InputNumber placeholder="another input" addonAfter="$" />
    </Space.Compact>
    <Space.Compact>
      <Input placeholder="input here" />
      <ColorPicker />
    </Space.Compact>
    <Space.Compact>
      <Button type="primary">Button
      <Input placeholder="input here" addonAfter="$" />
    </Space.Compact>
  </Space>
);
export default App;
```

Button 紧凑布局

```
import React from 'react';
import {
   CommentOutlined,
   DownloadOutlined,
   EllipsisOutlined,
   HeartOutlined,
   LikeOutlined,
   MailOutlined,
   MobileOutlined,
   ShareAltOutlined,
   StarOutlined,
   WarningOutlined,
```

```
} from '@ant-design/icons';
import { Button, Dropdown, Space, Tooltip } from 'antd';
const App: React.FC = () => (
 <div>
   <Space.Compact block>
     <Tooltip title="Like">
        <Button icon={<LikeOutlined />} />
      </Tooltip>
      <Tooltip title="Comment">
        <Button icon={<CommentOutlined />} />
      </Tooltip>
      <Tooltip title="Star">
        <Button icon={<StarOutlined />} />
      </Tooltip>
      <Tooltip title="Heart">
        <Button icon={<HeartOutlined />} />
      </Tooltip>
      <Tooltip title="Share">
        <Button icon={<ShareAltOutlined />} />
      </Tooltip>
      <Tooltip title="Download">
        <Button icon={<DownloadOutlined />} />
      </Tooltip>
      <Dropdown
        placement="bottomRight"
        menu={{
          items: [
            {
              key: '1',
              label: 'Report',
              icon: <WarningOutlined />,
            },
            {
              key: '2',
              label: 'Mail',
              icon: <MailOutlined />,
            },
            {
              key: '3',
              label: 'Mobile',
              icon: <MobileOutlined />,
            },
          ],
        }}
        trigger={['click']}
```

```
<Button icon={<EllipsisOutlined />} />
  </Dropdown>
</Space.Compact>
<br />
<Space.Compact block>
  <Button type="primary">Button 1
  <Button type="primary">Button 2</Button>
  <Button type="primary">Button 3</Button>
  <Button type="primary">Button 4</Button>
  <Tooltip title="Tooltip">
    <Button type="primary" icon={<DownloadOutlined />} disabled />
  </Tooltip>
  <Tooltip title="Tooltip">
    <Button type="primary" icon={<DownloadOutlined />} />
  </Tooltip>
</Space.Compact>
<br />
<Space.Compact block>
  <Button>Button 1</Button>
  <Button>Button 2</Button>
  <Button>Button 3</Button>
  <Tooltip title="Tooltip">
    <Button icon={<DownloadOutlined />} disabled />
  </Tooltip>
  <Tooltip title="Tooltip">
    <Button icon={<DownloadOutlined />} />
  </Tooltip>
  <Button type="primary">Button 4
  <Dropdown
    placement="bottomRight"
    menu={{
      items: [
        {
          key: '1',
         label: '1st item',
       },
         key: '2',
         label: '2nd item',
        },
          key: '3',
         label: '3rd item',
       },
      ],
```

垂直方向紧凑布局

```
import React from 'react';
import { Button, Space } from 'antd';
const App: React.FC = () => (
  <Space>
   <Space.Compact direction="vertical">
     <Button>Button 1</Button>
     <Button>Button 2</Button>
     <Button>Button 3</Button>
   </Space.Compact>
   <Space.Compact direction="vertical">
     <Button type="dashed">Button 1
     <Button type="dashed">Button 2</Button>
     <Button type="dashed">Button 3</Button>
   </Space.Compact>
   <Space.Compact direction="vertical">
     <Button type="primary">Button 1
     <Button type="primary">Button 2</Button>
     <Button type="primary">Button 3
   </Space.Compact>
  </Space>
);
export default App;
```

调试 Input 前置/后置标签

Debug

```
import React, { useState } from 'react';
import { CopyOutlined, DownloadOutlined, SettingOutlined } from '@ant-
design/icons';
import {
```

```
Button,
  Cascader,
  DatePicker,
  Divider,
  Drawer,
  Dropdown,
  Input,
  InputNumber,
 Modal,
  Popover,
  Select,
  Space,
  Tooltip,
} from 'antd';
const { Option } = Select;
const selectBefore = (
  <Select defaultValue="http://" className="select-before">
    <Option value="http://">http://</Option>
    <Option value="https://">https://</Option>
  </Select>
);
const selectAfter = (
  <Select defaultValue=".com" className="select-after">
    <Option value=".com">.com</Option>
    <Option value=".jp">.jp</Option>
    <0ption value=".cn">.cn</0ption>
    <Option value=".org">.org</Option>
  </Select>
);
const App: React.FC = () => {
  const [showModal, setShowModal] = useState(false);
  const [showDrawer, setShowDrawer] = useState(false);
  return (
    <Space direction="vertical">
      <Space.Compact block>
        <Button>default Button/Button>
        <Button danger>danger Button/Button>
        <Button type="dashed">dashed Button</Button>
        <Button type="text">text Button
        <Button type="link">Link Button
        <Tooltip title="Tooltip">
          <Button icon={<DownloadOutlined />} disabled />
        </Tooltip>
```

```
</Space.Compact>
      <br />
      <Space.Compact>
        <Button>Prefix</Button>
       <Input addonBefore="http://" addonAfter=".com"</pre>
defaultValue="mysite" />
        <Button type="primary">Submit
      </Space.Compact>
      <Space.Compact>
        <Input placeholder="prefix" />
        <Input addonBefore={selectBefore} addonAfter={selectAfter}</pre>
defaultValue="mysite" />
        <Button icon={<CopyOutlined />} />
      </Space.Compact>
      <Space.Compact>
       <Input.Search />
       <Input.Search />
        <Button icon={<CopyOutlined />} />
      </Space.Compact>
      <Space.Compact>
        <Input addonAfter={<SettingOutlined />} defaultValue="mysite" />
        <Button type="primary">Submit
        <Input placeholder="suffix" addonAfter={<SettingOutlined />} />
      </Space.Compact>
      <Space.Compact>
        <Input addonBefore="http://" suffix=".com" defaultValue="mysite" />
        <Button type="primary">Submit
      </Space.Compact>
      <Space.Compact>
        <Button>Prefix</Button>
       <Input
          addonBefore={<Cascader placeholder="cascader" style={{ width: 150</pre>
}} />}
          defaultValue="mysite"
       />
        <Button type="primary">Submit
      </Space.Compact>
      <Space.Compact>
        <Input addonBefore="Prefix" defaultValue="mysite" showCount />
        <Button type="primary">Submit
       <Input
          addonBefore="Prefix"
          defaultValue="mysite"
          showCount
          addonAfter={<SettingOutlined />}
        />
```

```
<Input addonBefore="Prefix" defaultValue="mysite" showCount />
     </Space.Compact>
     <br />
     <Space.Compact>
       <Button onClick={() => setShowModal(true)}>debug Modal
context</Button>
        {showModal && (
          <Modal title="Basic Modal" open={showModal} onCancel={() =>
setShowModal(false)}>
           <Button>normal button A</Button>
            <Button>normal button B/Button>
            <br />
            <br />
            <Input />
            <br />
            <br />
            <Space.Compact>
              <Button>compact button A</Button>
              <Button>compact button B</Button>
            </Space.Compact>
          </Modal>
        ) }
     </Space.Compact>
     <Space.Compact>
       <Dropdown.Button
         menu={{
            items: [
              {
                key: '1',
                label: <Button>menu button</Button>,
              },
                key: '2',
                label: 'normal menu item',
              },
           ],
         }}
          debug Dropdown.Button context
       </Dropdown.Button>
      </Space.Compact>
     <Space.Compact>
        <Button onClick={() => setShowDrawer(true)}>debug Drawer
context</Button>
       {showDrawer && (
          <Drawer
```

```
title="Basic Drawer"
      placement="right"
      onClose={() => setShowDrawer(false)}
      open={showDrawer}
      <Button>normal button A/Button>
      <Button>normal button B</Button>
      <br />
      <br />
      <Space.Compact>
        <Button>compact button A</Button>
       <Button>compact button B</Button>
      </Space.Compact>
    </Drawer>
 )}
</Space.Compact>
<Space.Compact>
 <Input placeholder="Debug Popover context" />
 <Popover
    content={
        <Input placeholder="Left Border" />
       <Divider />
       <DatePicker />
       <Divider />
       <InputNumber />
       <Divider />
       <Select />
      </>
    trigger={['click']}
    placement="bottom"
    <Button>Settings</Button>
 </Popover>
</Space.Compact>
<Space.Compact>
  <InputNumber addonBefore="+" addonAfter="$" defaultValue={100} />
</Space.Compact>
<Space.Compact>
 <Select defaultValue="Sign Up">
    <Option value="Sign Up">Sign Up</Option>
    <Option value="Sign In">Sign In
 </Select>
</Space.Compact>
<Space.Compact>
```

```
<DatePicker.RangePicker style={{ width: '70%' }} />
</Space.Compact>
<Space.Compact>
  <InputNumber defaultValue={12} />
</Space.Compact>
<Space.Compact>
  <Cascader
    style={{ width: '70%' }}
    options={[
      {
        value: 'zhejiang',
        label: 'Zhejiang',
        children: [
          {
            value: 'hangzhou',
            label: 'Hangzhou',
            children: [
              {
                value: 'xihu',
                label: 'West Lake',
              },
            ],
          },
        ],
      },
      {
        value: 'jiangsu',
        label: 'Jiangsu',
        children: [
            value: 'nanjing',
            label: 'Nanjing',
            children: [
              {
                value: 'zhonghuamen',
                label: 'Zhong Hua Men',
              },
            ],
          },
        ],
      },
    ]}
    placeholder="Select Address"
</Space.Compact>
<Space.Compact direction="vertical">
```

紧凑布局嵌套

Debug

```
import React from 'react';
import { CopyOutlined, SearchOutlined } from '@ant-design/icons';
import { Button, Cascader, Input, InputNumber, Select, Space, TimePicker }
from 'antd';
const { Option } = Select;
const App: React.FC = () => (
   <Space.Compact block>
     <Space.Compact>
       <Space.Compact>
         <Input style={{ width: 90 }} placeholder="Typing..." />
         <Button icon={<SearchOutlined />} />
       </Space.Compact>
       <Space.Compact>
         <InputNumber defaultValue={12} />
         <Select defaultValue="Option1">
           <Option value="Option1">Opt1
           <Option value="Option2">Opt2
         </Select>
       </Space.Compact>
      </Space.Compact>
      <Button type="primary">Separator/Button>
      <Space.Compact>
        <Space.Compact>
         <Input.Search style={{ width: 110 }} placeholder="Search" />
         <Button type="primary">Submit
       </Space.Compact>
       <Space.Compact>
         <Input defaultValue="mysite" />
         <Button icon={<CopyOutlined />} />
        </Space.Compact>
      </Space.Compact>
```

```
</Space.Compact>
<>
 <br />
  <Space.Compact block>
   <Space.Compact>
      <TimePicker />
      <Button type="primary">Submit
    </Space.Compact>
    <Space.Compact>
      <Cascader
        options={[
          {
            value: 'zhejiang',
            label: 'Zhejiang',
            children: [
              {
                value: 'hangzhou',
                label: 'Hangzhou',
                children: [
                  {
                    value: 'xihu',
                    label: 'West Lake',
                  },
                ],
              },
            ],
          },
            value: 'jiangsu',
            label: 'Jiangsu',
            children: [
              {
                value: 'nanjing',
                label: 'Nanjing',
                children: [
                    value: 'zhonghuamen',
                    label: 'Zhong Hua Men',
                  },
                ],
              },
            ],
          },
        ]}
        placeholder="Select Address"
      />
```

多样的 Child

Debug

```
import React from 'react';
import { Button, Popconfirm, Space } from 'antd';
const App: React.FC = () => (
  <Space>
    <>
      Button
      <Button>Button</Button>
    </>
    Button
    <Popconfirm title="Are you sure delete this task?" okText="Yes"</pre>
cancelText="No">
      <Button>Delete</Button>
    </Popconfirm>
    <Popconfirm title="Are you sure delete this task?" okText="Yes"</pre>
cancelText="No">
      <Button disabled>Delete/Button>
    </Popconfirm>
    {null}
    {false}
    {1}
    Button
    {null}
    {undefined}
  </Space>
);
export default App;
```

Flex gap 样式

Debug

```
import React, { useState } from 'react';
import { Space, Switch } from 'antd';
const style: React.CSSProperties = {
 width: 150,
 height: 100,
 background: 'red',
};
const App: React.FC = () => {
  const [singleCol, setSingleCol] = useState(false);
  return (
      <Switch
        checked={singleCol}
        onChange={() => {
          setSingleCol(!singleCol);
        }}
      />
      <div style={{ boxShadow: '0 0 5px green' }}>
        <Space style={{ width: singleCol ? 307 : 310, background: 'blue' }}</pre>
size={[8, 8]} wrap>
          <div style={style} />
          <div style={style} />
          <div style={style} />
          <div style={style} />
        </Space>
      </div>
   </>
 );
};
export default App;
```

API

通用属性参考:通用属性

Space

参数	说明	类型	默认值	版本
align	对齐方式	start end center baseline	-	4.2.0

classNames	语义化 className	Record <semanticdom, string></semanticdom, 	-	
direction	间距方向	vertical horizontal	horizontal	4.1.0
size	间距大小	Size Size[]	small	4.1.0 Array: 4.9.0
split	设置分隔符	ReactNode	-	4.7.0
styles	语义化 style	Record <semanticdom, cssproperties=""></semanticdom,>	-	
wrap	是否自动换行,仅 在 horizontal 时 有效	boolean	false	4.9.0

Size

'small' | 'middle' | 'large' | number

Space.Compact

自 antd@4.24.0 版本开始提供该组件。

需要表单组件之间紧凑连接且合并边框时,使用 Space.Compact。支持的组件有:

- Button
- AutoComplete
- Cascader
- DatePicker
- Input/Input.Search
- InputNumber
- Select
- TimePicker
- TreeSelect

参数	说明	类型	默认值	版本
block	将宽度调整为父元素宽度的选 项	boolean	false	4.24.0
direction	指定排列方向	vertical horizontal	horizontal	4.24.0
size	子组件大小	large middle small	middle	4.24.0

Semantic DOM

```
import React from 'react';
import { Button, Space } from 'antd';
import SemanticPreview from '../../.dumi/components/SemanticPreview';
import useLocale from '../../.dumi/hooks/useLocale';
const locales = {
  cn: {
   item: '包裹的子组件',
 },
 en: {
   item: 'Wrapped item element',
 },
};
const App: React.FC = () => {
  const [locale] = useLocale(locales);
  return (
    <SemanticPreview</pre>
      componentName="Space"
      semantics={[{ name: 'item', desc: locale.item, version: '5.6.0' }]}
   >
      <Space>
        <Button type="primary">Primary/Button>
        <Button>Default</Button>
        <Button type="dashed">Dashed/Button>
      </Space>
   </SemanticPreview>
 );
};
export default App;
```

主题变量(Design Token)