# Radio

Single selection among multiple options.

### Basic usage

Radio should not have too many options. Otherwise, use the Select component instead.

:::demo Creating a radio component is easy, you just need to bind a variable to Radio's `v-model`. It equals to the value of `label` of the chosen radio. The type of `label` is `String`, `Number` or `Boolean`.

```html
<template>
  <el-radio v-model="radio" label="1">Option A</el-radio>
  <el-radio v-model="radio" label="2">Option B</el-radio>
</template>

<script>
  export default {
    data () {
      return {
        radio: '1'
      };
    }
  }
</script>
```

:::

### Disabled

`disabled` attribute is used to disable the radio.

:::demo You just need to add the `disabled` attribute.

```html
<template>
  <el-radio disabled v-model="radio" label="disabled">Option A</el-radio>
  <el-radio disabled v-model="radio" label="selected and disabled">Option B</el-radio>
</template>

<script>
  export default {
    data () {
      return {
        radio: 'selected and disabled'
      };
    }
```

```
  }
</script>
```

:::

### Radio button group

Suitable for choosing from some mutually exclusive options.

:::demo Combine `el-radio-group` with `el-radio` to display a radio group. Bind a variable with `v-model` of `el-radio-group` element and set label value in `el-radio`. It also provides `change` event with the current value as its parameter.

```html
<el-radio-group v-model="radio">
  <el-radio :label="3">Option A</el-radio>
  <el-radio :label="6">Option B</el-radio>
  <el-radio :label="9">Option C</el-radio>
</el-radio-group>

<script>
  export default {
    data () {
      return {
        radio: 3
      };
    }
  }
</script>
```

:::

### Button style

Radio with button styles.

:::demo You just need to change `el-radio` element into `el-radio-button` element. We also provide `size` attribute.

```html
<template>
  <div>
    <el-radio-group v-model="radio1">
      <el-radio-button label="New York"></el-radio-button>
      <el-radio-button label="Washington"></el-radio-button>
      <el-radio-button label="Los Angeles"></el-radio-button>
      <el-radio-button label="Chicago"></el-radio-button>
    </el-radio-group>
  </div>
  <div style="margin-top: 20px">
    <el-radio-group v-model="radio2" size="medium">
```

```
      <el-radio-button label="New York" ></el-radio-button>
      <el-radio-button label="Washington"></el-radio-button>
      <el-radio-button label="Los Angeles"></el-radio-button>
      <el-radio-button label="Chicago"></el-radio-button>
    </el-radio-group>
  </div>
  <div style="margin-top: 20px">
    <el-radio-group v-model="radio3" size="small">
      <el-radio-button label="New York"></el-radio-button>
      <el-radio-button label="Washington" disabled ></el-radio-button>
      <el-radio-button label="Los Angeles"></el-radio-button>
      <el-radio-button label="Chicago"></el-radio-button>
    </el-radio-group>
  </div>
  <div style="margin-top: 20px">
    <el-radio-group v-model="radio4" disabled size="mini">
      <el-radio-button label="New York"></el-radio-button>
      <el-radio-button label="Washington"></el-radio-button>
      <el-radio-button label="Los Angeles"></el-radio-button>
      <el-radio-button label="Chicago"></el-radio-button>
    </el-radio-group>
  </div>
</template>

<script>
  export default {
    data () {
      return {
        radio1: 'New York',
        radio2: 'New York',
        radio3: 'New York',
        radio4: 'New York'
      };
    }
  }
</script>
```

:::

### With borders

:::demo The `border` attribute adds a border to Radios.

```
<template>
  <div>
    <el-radio v-model="radio1" label="1" border>Option A</el-radio>
    <el-radio v-model="radio1" label="2" border>Option B</el-radio>
```

```html
  </div>
  <div style="margin-top: 20px">
    <el-radio v-model="radio2" label="1" border size="medium">Option A</el-radio>
    <el-radio v-model="radio2" label="2" border size="medium">Option B</el-radio>
  </div>
  <div style="margin-top: 20px">
    <el-radio-group v-model="radio3" size="small">
      <el-radio label="1" border>Option A</el-radio>
      <el-radio label="2" border disabled>Option B</el-radio>
    </el-radio-group>
  </div>
  <div style="margin-top: 20px">
    <el-radio-group v-model="radio4" size="mini" disabled>
      <el-radio label="1" border>Option A</el-radio>
      <el-radio label="2" border>Option B</el-radio>
    </el-radio-group>
  </div>
</template>

<script>
  export default {
    data () {
      return {
        radio1: '1',
        radio2: '1',
        radio3: '1',
        radio4: '1'
      };
    }
  }
</script>
```

:::

**Radio Attributes**

| Attribute | Description | Type | Accepted Values | Default |
|---|---|---|---|---|
| value / v-model | binding value | string / number / boolean | — | — |
| label | the value of Radio | string / number / boolean | — | — |

| Attribute | Description | Type | Accepted Values | Default |
|---|---|---|---|---|
| disabled | whether Radio is disabled | boolean | — | false |
| border | whether to add a border around Radio | boolean | — | false |
| size | size of the Radio, only works when `border` is true | string | medium / small / mini | — |
| name | native 'name' attribute | string | — | — |

**Radio Events**

| Event Name | Description | Parameters |
|---|---|---|
| change | triggers when the bound value changes | the label value of the chosen radio |

**Radio-group Attributes**

| Attribute | Description | Type | Accepted Values | Default |
|---|---|---|---|---|
| value / v-model | binding value | string / number / boolean | — | — |
| size | the size of radio buttons or bordered radios | string | medium / small / mini | — |
| disabled | whether the nesting radios are disabled | boolean | — | false |
| text-color | font color when button is active | string | — | #ffffff |

| Attribute | Description | Type | Accepted Values | Default |
|-----------|-------------|------|-----------------|---------|
| fill | border and background color when button is active | string | — | #409EFF |

### Radio-group Events

| Event Name | Description | Parameters |
|------------|-------------|------------|
| change | triggers when the bound value changes | the label value of the chosen radio |

### Radio-button Attributes

| Attribute | Description | Type | Accepted Values | Default |
|-----------|-------------|------|-----------------|---------|
| label | the value of radio | string / number | — | — |
| disabled | whether radio is disabled | boolean | — | false |
| name | native 'name' attribute | string | — | — |