

# < choice >

## Description

The <choice> element defines a menu item and serves several purposes:

- Specifies a speech grammar fragment and/or a DTMF grammar fragment that determines when that choice has been selected.
- Forms the <enumerate> prompt string with its contents.
- Specifies the URI to go to when the choice is selected.

## Syntax

```
<choice
dtmf="DTMF sequence"
accept="exact" | "approximate"
next="URI"
event="event"
expr="ECMAScript_Expression"
fetchaudio="URI"
fetchhint="prefetch" | "safe"
fetchtimeout="time_interval"
maxage="time_interval"
maxstale="time_interval">
child elements
</choice>
```

## Attributes

|              |   |
|--------------|---|
| dtmf         | This attribute is the DTMF sequence for this choice. This attribute is optional.  |
| accept       | The accept attribute overrides the setting for the accepted attribute in the <menu> element, with either exact or approximate values. This attribute is optional and defaults to exact. * exact - use exact to define the exact phrase to be recognized. * approximate - use approximate to define an approximate recognition phrase. A subset of the words in the phrase expression can be matched. For example, "Hello world" can be matched with "Hello world", "Hello", or "World". |
| next         | The next attribute is the URI of the next dialog or document.   |
| event        | This attribute throws a specified event. Next and expr attributes have precedence over this attribute.  |
| expr         | The expr attribute is an ECMAScript Expression that defines the URI to transition. The next attribute has precedence over this attribute.   |
| fetchaudio   | The fetchaudio attribute is the URI of the audio to play while waiting for the next document to be fetched.   |
| fetchtimeout | This attribute indicates the time interval to wait for an audio file to be fetched before playing the alternate content. This attribute is optional.  |

|           |   |
|-----------|---|
| fetchhint | The fetchhint attribute defines when the audio file should be retrieved. This attribute is optional. * prefetch - the file can be fetched when the document is loaded. * safe - the file is fetched only when needed. |
| maxage    | This attribute indicates the maximum time in seconds that this document will use this file before fetching another copy. This attribute is optional.  |
| maxstale  | The maxstale attribute indicates the maximum time in seconds that this document will use the file that exceeded the maxage time. This attribute is optional.  |

## Parents

<menu>

## Children

<audio>, <enumerate>, <grammar>, <value>

## Extensions

None.

## Limitations/Restrictions

The dtmf attribute must be specified.

## Example Code

```
<?xml version="1.0"?>
<vxml version="2.0" xmlns="http://www.w3.org/2001/vxml">
  <menu>
    <prompt> What do you want for drink, coffee or tea? </prompt>
    <choice dtmf="1" next="#getcoffee"> coffee </choice>
    <choice dtmf="2" next="#gettea"> tea </choice>
    <noinput> Please say coffee or tea </noinput>
    <nomatch> Please say coffee or tea </nomatch>
  </menu>
  <form id="getcoffee">
    <block>
      <prompt>Ok, here's your coffee</prompt>
    </block>
  </form>
  <form id="gettea">
```

```
<block>
  <prompt>Ok, here's your tea</prompt>
</block>
</form>
</vxml>
```

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