< audio >

Description

The <audio> element plays an audio file. If the file cannot be played, the content of the <audio> element is played instead. The alternate content may be text, speech markup, or another <audio> element.

Syntax

```
<audio
src="URI"
expr="ECMAScript_Expression"
fetchtimeout="time_interval"
fetchhint="prefetch" | "safe"
maxage="time_interval"
maxstale="time_interval">
alternate text
</audio>
```

Attributes

src	Src is the URI of the audio file. Either src or expr is required.
expr	Expr is an ECMAScript expression for the URI of the audio file. If the src attribute is specified, it takes precedence over this attribute. If <audio> contains this attribute that evaluates to null, this element will be skipped, including its alternate content. Either src or expr is required.
fetchtimeout	This attribute indicates the time interval to wait for an audio file to be fetched before playing the alternate content. This is optional.
fetchhint	Fetchhint defines when the audio file should be retrieved. This is optional. * prefetch - the file can be fetched when the document is loaded. * safe - the file is fetched only when needed, never before prefetch. * stream - allows audio streaming with HTTP.
maxage	This attribute indicates the maximum time in seconds that this document will use this audio file before fetching another copy. This is optional.
maxstale	This attribute indicates the maximum time in seconds that this document will use an audio file.

Parents

```
<audio>, <block>, <catch>, <choice>, <enumerate>, <error>, <field>,
<filled>, <if>, <initial>, <menu>, <noinput>, <nomatch>, <object>, <prompt>,
<record>, <subdialog>, <transfer>
```

Children

```
<audio>, <value>, <enumerate>, Speech Markup (SSML)
```

Extensions

If "dial" is added as a URI prefix it will initiate DTMF generation.

Example:

```
<audio src="dial:123" /> or <audio expr="'dial:'+number" />
```

If the file is prefixed with "uri," the Asterisk application will use this audio file base. Audio files are stored in /var/lib/asterisk/sounds, and the filename is passed without this extension.

If the file has an extension of h263 or h264, a video clip is generated in the background during an audio-only prompt. Note: the video will have no sound. (feature disabled for the moment)

Example:

```
<audio src="background.h263" />
```

If the file is a video clip with the 3gp or mp4 formats (see sip.fontventa.com), then the video clip will play on video phones.

Example:

```
<audio src="video.mp4" />
```

If the URI is prefixed also with "uri:rstp:...", then the Vxi will plays the RTSP video stream. Example: <audio src=GESHI_QUOTuri:rtsp: server.com/samples/video.mp4GESHI_QUOT />

If the property "control" is set to "true" (<property name="control" value="true"/>), the GSM and wav prompt can be controlled with VCR type controls like DTMF keys. (See the control keys configured in the configuration file). Start position can be set adding ":" and the value of the offset. After the prompt the position can be get with the object "offset" (see the tag <object>).

Example:

```
<audio src="samples/video.wav:1235" />
```

If the URI is prefixed with "cli:", then the Vxi will execute the command in the src/expr attribute (remember that this attribut don't support space, so replace them by underscore (" " → "_")). The VoiceXML browser disable the CLI execution by default. Enable it if needed by setting the parameter cli in the general section to "yes".

Example:

```
<audio src="cli:stop_now" />
```

If the URI is prefixed with "exec:", "application:" or "app:", then the Vxi will execute the application and the parameters specified in the src/expr attribute.

Example:

```
<audio src="application:saynumber(123)" />
```

If the URI is prefixed with "record:", then the Vxi will try to find a file in the record directory. If you are using the mark option, the files will be separated by folders set with the 'mark' value.

Example:

```
<audio src="record:myrecord.wav" />
```

If the URI is prefixed with "uri:", then the Vxi will try to find a file in the Asterisk audio base, this executes something like Playback(demo-echotest). The value after the prefix is the reference of a prerecorded audio file in the asterisk /var/lib/asterisk/sounds/. You can set or not the asterisk extension/format (.gsm or .wav for example).

```
<audio src="uri:demo-echotest" />
```

Limitations/Restrictions

```
None.
```

Example Code

```xml
<?xml version="1.0"?>
<vxml version="2.0" xmlns="http://www.w3.org/2001/vxml">
 <form>
  <block>
   <prompt>
    Playing the recorded message
   </prompt>
   <audio src="thankyou.wav">
    Reading this if thankyou.wav is not found
   </audio>
  </block>
 </form>
</vxml>
```

From: