< object >

Description

The < object > element interacts with custom extensions. A VoiceXML platform may have platform-specific functionality that an application wants to use, such as speaker verification, native components, additional telephony, etc. Such platform-specific objects are accessed using the <object> element, which is analogous to the HTML <OBJECT> element.

Syntax

```
<object
name="String"
expr="ECMAScript_Expression"
cond="ECMAScript_Expression"
classid="URI"
codebase="URI"
codetype=""
data="URI"
type=""
archive="URI"
fetchhint="prefetch" | "safe"
fetchtimeout="time_interval"
maxage="time_interval"
maxstale="time_interval">
child elements
</object>
```

Attributes

name	The name attribute defines the name of the variable when the object is evaluated. This attribute is required.
expr	The expr attribute is the initial value of the variable. This attribute is optional and defaults to undefined.
cond	The cond attribute is a Boolean expression that must evaluate to true in order for this object to execute. This attribute is optional and defaults to true.
classid	The classid attribute is the URI specifying the location of the object's implementation. The platform can access external objects (dynamic installed libraries). To specify one, give the URI like, "extern:name", where 'name' generates the reference to VXIobject_name.so. I6NET can provide an SDK tool kit to develop external objects.
codebase	The codebase attribute is the base path used to resolve relative URIs specified by classid, data, and archive. This attribute is optional and defaults to the base URI of current document.

codetype	The codetype attribute is the content type of data expected when downloading the object specified by classid. This attribute is optional and defaults to the value of the type attribute.
data	The data attribute is the URI specifying the location of the object's data. If it is a relative URI, it is interpreted as relative to the codebase attribute.
type	The type attribute is the content type of the data specified by the data attribute.
archive	The archive attribute is a space-separated list of URIs for archives containing resources relevant to the object, which may include the resources specified by the classid and data attributes. URIs which are relative are interpreted as relative to the codebase attribute.
fetchtimeout	The fetchtimeout attribute is 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 audio file may be downloaded when the page is loaded. * safe – the audio file is loaded only when needed.
maxage	The maxage attribute indicates the maximum time in seconds that this document will use this object before fetching another copy. This attribute is optional.
maxstale	The maxstale attribute indicates the maximum time in seconds that this document will use an object that exceeded the maxage time. This attribute is optional.

Parents

```
<vxml>
```

Children

```
<audio>, <catch>, <error>, <filled>, <help>, <noinput>, <nomatch>, <param>,
<prompt>, <property>, <value>
```

Extensions

```
Object , “offset” – can get the offset of the last audio prompted with the
property control set to “yes.”
Object , “save” – can save a record locally.
Object , “pick” –  can get a local file and use it to get and post local
contents.
Object , “delete” - can delete a local file.
```

Limitations/Restrictions

```
The elements: codebase, codetype, data, type, and archive are not used.
```

```
No platform-specific objects are currently defined
```

Example Code

```
<?xml version = "1.0"?>
<vxml version="2.0" xmlns="http://www.w3.org/2001/vxml">
 <form>
  <object name="message" classid="extern:shell">
   <param name="command" expr="'ls -al'" />
  </object>
  <block>
   Parameter = ls -al.
   Result = <value expr="message.result" />.
  </block>
 </form>
</vxml>
```

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