

# HTTP/TTS Protocol

[Home](#) >

## Description

This protocol is simple :

- From the VoiceXML browser, you configure to use HTTP, a (POST recommended) request containing mainly the text content and additional parameters (like language, voice...).
- The server treats your request.
- The VoiceXML browser receives an audio file (cpataible with Asterisk) : it keep it in cache and play it.

## Configuration

The main TTS configuration is set in /etc/vxmld.conf.

When you set the method with POST or GET the HTTP/TTS protocol is used to process <prompt> text contents. If you set the value ASTERISK, the VoiceXML browser will send the content to the Asterisk module (as a text/UTF8 or XML/UTF8 content).

```
#####
# TTS server configuration #
#####

#client.prompt.resource.0.uri                VXIString
http://localhost/tts/flite/tts.php
#client.prompt.resource.0.uriVideo           VXIString
http://localhost/tts/video/ttv.php
client.prompt.resource.0.method              VXIString    POST
client.prompt.resource.0.cacheDir            VXIString    /tmp/cacheContent
client.prompt.resource.0.format              VXIString    wav
client.prompt.resource.0.formatVideo         VXIString    3gp
client.prompt.resource.0.maxage              VXIInteger   -1
client.prompt.resource.0.checkBreak          VXIInteger   0
client.prompt.resource.0.cutPrompt           VXIInteger   0
#client.prompt.resource.0.api                VXIString    voxygen
#client.prompt.resource.0.user               VXIString    demo
#client.prompt.resource.0.password           VXIString    demo
client.prompt.resource.0.ssmI                VXIInteger   0
```

## HTTP Parameters

- text : the text to synthesize : from the <prompt> content (UTF8 format).
- language : the language used (en-GB, fr-FR...) : from the xml:lang attribut.
- format : the audio format to return (wav, gsm, mp4... formats supported by Asterisk) : from the configuration.
- voice : the voice (Carla, Marcos... depends on the TTS provider) : from the xml:lang attribut.
- size\* : the size of the image : from the property promptsize.
- backgroud\* : the image reference or color used for the background : from the property promptbackground.
- color\* : the color for the text : from the property promptcolor.
- font\* : the size of the font : from the property promptfont.
- offset\* : the offset X shift to the text : from the property promptoffset
- position\* : the position Y shift to the text : from the property promptposition
- hmac : MD5 key generated for Voxygen Cloud integration.

From:  
<https://wiki.voximal.com/> - **Voximal documentation**

Permanent link:  
[https://wiki.voximal.com/doku.php?id=legacy:text-to-speech\\_guide:tts\\_http\\_protocol:start&rev=1425334003](https://wiki.voximal.com/doku.php?id=legacy:text-to-speech_guide:tts_http_protocol:start&rev=1425334003)

Last update: **2017/07/28 22:29**

