

TEST OUT SSML HERE:

<https://ttsmp3.com/> !

NEW: Bikutaa, the developer of Bikubot has recently released a new shorthand guide for TTS*.

This leaves less room for errors and includes a new MUSIC NOTE section!

**this testing site does not support shorthand*

- Note: If copy and pasting the coding from any of the below sections, try replacing the quotation marks before sending, for some reason these ones are weird and can often break the coding
 - Note 2: When using / to make Chat Cat pause, put spaces in between like this “/ / /” or else it won’t work!
 - Note 3: If you submit a Chat Cat message and it doesn’t go through. He is not broken, your coding was just wrong.
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NEW

Breathing

This uses the following syntax:

`<amazon:breath>` and `<amazon:auto-breaths>`

In manual mode, you place the `<amazon:breath/>` tag in the input text where you want to locate a breath. You can customize the length and volume of breaths with the `duration` and `volume` attributes, respectively:

- `duration`: Controls the length of the breath. Valid values are: `default`, `x-short`, `short`, `medium`, `long`, `x-long`. The default value is `medium`.
- `volume`: Controls how loud breathing sounds. Valid values are: `default`, `x-soft`, `soft`, `medium`, `loud`, `x-loud`. The default value is `medium`

Example Text:

Sometimes you want to insert only `<amazon:breath duration="medium" volume="x-loud"/>` a single breath.

Example Text 2:

`<amazon:breath duration="long" volume="x-loud"/>` `<prosody rate="120%">` `<prosody volume="loud">`

```
Wow! <amazon:breath duration="long" volume="loud"/>
</prosody> That was quite fast. <amazon:breath
```

```
duration="medium" volume="x-loud"/> I almost beat my
personal best time on this track. </prosody>
```

Whispering

This uses the following syntax:

```
<amazon:effect name="whispered">text</amazon:effect>
```

For example:

```
<amazon:effect name="whispered">If you make any noise, </amazon:effect>
she said, <amazon:effect name="whispered">they will hear us.</amazon:effect>
```

You can enhance the “whispered” effect by slowing down the prosody rate by up to 10%, depending on the effect you want.

For example:

```
When any voice is made to whisper, <amazon:effect name="whispered">
<prosody rate="-10%">the sound is slower and quieter than normal speech
</prosody></amazon:effect>
```

```
Growly whisper =<amazon:effect name="whispered"><prosody
rate="insert slow value here">Put cursed dialogue
here.</prosody></amazon:effect>
```

Rate

- `x-slow`, `slow`, `medium`, `fast`, `x-fast`. Sets the pitch to a predefined value for the selected voice.
- `n%`: A non-negative percentage change in the speaking rate. For example, a value of 100% means no change in speaking rate, a value of 200% means a speaking rate twice the default rate, and a value of 50% means a speaking rate of half the default rate. This value has a range of 20-200%.

For example, you could set the speech rate for a passage as follows:

For dramatic purposes, you might wish to `<prosody rate="slow">slow up the speaking rate of your text.</prosody>`

Or you could set it this way:

Although in some cases, it might help your audience to `<prosody rate="85%">slow the speaking rate slightly to aid in comprehension.</prosody>`

Censoring

(This one is just funny)

Use the `<say-as>` tag with the `interpret-as` attribute to tell Amazon Polly how to say certain characters, words, and numbers.

- `expletive`: "Bleeps out" the content included within the tag.
 - If you want Chat Cat to say a swear , such as `<say-as interpret-as="expletive">insert something here</say-as>` the word in the text would be bleeped out.

Pitch and Timing

- `default`: Resets pitch to the default level for the current voice.

- x-low, low, medium, high, x-high: Sets the pitch to a predefined value for the current voice.
- +n% or -n%: Adjusts pitch by a relative percentage. For example, a value of +0% means no baseline pitch change, +5% gives a little higher baseline pitch, and -5% results in a little lower baseline pitch.
- For example, you could set the pitch for a passage as follows:

```
Do you like synthesized speech <prosody pitch="high">with a pitch that
is higher
    than normal?</prosody>
```

- Or you could set it this way:

```
Or do you prefer your speech <prosody pitch="-10%">with a somewhat lower
pitch?</prosody> <prosody pitch="high">mumther / / / please / / / don't
turn me into a marketable plushie / / /
    than normal?</prosody>
Sometimes combining attributes <prosody pitch="-10%">can change the
impression your audience has of a voice</prosody> as well.</prosody>
```

"/" can be used if repeated to make the TTS briefly pause.

Emphasis

To emphasize words, use the <emphasis> tag. Emphasizing words changes the speaking rate and volume. More emphasis makes Amazon Polly speak the text louder and slower. Less emphasis makes it speak quieter and faster. To specify the degree of emphasis, use the level attribute.

level attribute values:

- Strong: Increases the volume and slows the speaking rate so that the speech is louder and slower.
- Moderate: Increases the volume and slows the speaking rate, but less than strong. Moderate is the default.
- Reduced: Decreases the volume and speeds up the speaking rate. Speech is softer and faster.

For example:

I already told you I `<emphasis level="strong">really like</emphasis>` that person.

NEW Controlling Timbre

`<amazon:effect vocal-tract-length>`

Timbre is the tonal quality of a voice that helps you tell the difference between voices, even when they have the same pitch and Loudness.

To change timbre, use the following values:

- `+n%` or `-n%`: Adjusts the vocal tract length by a relative percentage change in the current voice. For example, `+4%` or `-2%`. Valid values range from `+100%` to `-50%`. Values outside this range are clipped. For example, `+111%` sounds like `+100%` and `-60%` sounds like `-50%`.
- `n%`: Changes the vocal tract length to an absolute percentage of the tract length of the current voice. For example, `110%` or `75%`. An absolute value of `110%` is equivalent to a relative value of `+10%`. An absolute value of `100%` is the same as the default value for the current voice.

The following example shows how to change the vocal tract length to change timbre:

This is my original voice, without any modifications. <amazon:effect vocal-tract-length="+15%"> Now, imagine that I am much bigger. </amazon:effect> <amazon:effect vocal-tract-length="-15%"> Or, perhaps you prefer my voice when I'm very small. </amazon:effect> You can also control the timbre of my voice by making minor adjustments. <amazon:effect vocal-tract-length="+10%">

For example, by making me sound just a little bigger. </amazon:effect><amazon:effect vocal-tract-length="-10%"> Or, making me sound only somewhat smaller. </amazon:effect>

Languages

<https://docs.aws.amazon.com/polly/latest/dg/SupportedLanguage.html> is a link to the languages supported by SSML

Here are a few:

- *fr-FR = French*
- *de-DE = German*
- *ja-JP= Japanese*
- *ru-RU = Russian*
- *es-MX = Spanish*

For example:

<lang xml:lang="fr-FR">Je ne parle pas français.</lang>. But you would replace "fr-FR" with whichever language, same with the words in between.

SSML Codes that Do NOT Work

Newscaster Speech do not work with this SSML. As far as I know, that is.

Funny TTS Noises

WThis is specific to the TTS "Brian" voice that is used for Chat the Cat. Just a few things that can make funny ha-ha noises/effects.

- NNNNNNNNNNNN = Funny Printer Sound effect
- MMMMMMMMMMMM = Computer error sound effect
- PPPPPPPPPPPP = "Puh" sound, idk what it does when combined for a while
- "???" = Sounds like "dumdumdumdumdumdumdum" when copied a lot
- DRDRDRDRDR = When combined over and over and over will give you the ‘machine gun’ noise.
- ftfutfutfutf = Sounds like a spray bottle
- yZHZHZHZHZH = Another spray bottle sound.
- yWLW? = Beeping/alarm sound.
- ygh. Ygh. ygh. = Slapping?? Sound.
- JGT = "chick-uh" sound. Like beatboxing.
- HJ = Drum sound
- Cracking sound <amazon:effect name="whispered"><say-as interpret-as="expletive">MMMMMMMMMMMMMM! MMMMMMMMMMMMMM!
</say-as></amazon:effect>
- Quack and or tape noise?:<prosody rate="999%"><amazon:effect name="whispered"><say-as interpret-as="expletive">MMMMMMMMMMMMMM!
MMMMMMMMMMMMMM! </say-as></amazon:effect></prosody>

String	Description
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BDGHJKLMNPRT □ W	Every small letter TTS pronounces that can be combined to make beatboxing effects. Combining any of these small letters will produce a sound as an output, rather than Brian individually reading out the letters one by one.
KJ	“Ka-chh”
JGP	“Chika-puh”
JGD	“Chika-tuhh”
JGT	“Chik-tuh”
HJ	Another drum sound
□	Snare drum
□ OY.	Snare drum 2
□	Bass drum
□ □ □ □ □ : □ □ □ .	Beat Box Example 1
□ BD: □ . □ BD: □ . □ BD: □ BD: □ BD: □ . MMN . MN: □ . □ . MMN . MN: □ . □ .	Beat Box Example 2
MN: □ . □ . WN: NN:	Beat Box Example 3
□ . □ : □ : □ . □ □ .	Beat Box Example 4
□ ? □ JGP:	Beat Box Example 5

Extra Notes

Here is the full website link, please note some things you find are NOT supported by this TTS system.

>Link to the entire SSML Tag page. Again, please keep in mind not all tags listed here are supported.

<https://docs.aws.amazon.com/polly/latest/dg/supportedtags.html#p-tag>

Doc made by me! [MissJackieCR](#) :)