

# CereProc TTS

The following describes the CereProc TTS integration with the jtel Portal.

This installation requires a licence for Cereproc, which will be attached to the MAC address of the telephony server.

**Caution:** it should be ensured, that the MAC address will not change due to moving the VM, for example by VMotion or other high availability / fault tolerance mechanisms.

## Installation

Install the following CereProc components on the telephony or daemon server:

- sapi client installer
- sapi client installer (x64)
- windows client installer
- cServer (in all required voices)

Downloads are in:

<http://cdn.jtel.de/downloads/Cereproc/>

## Configure Daemon in 8-Server

Activate the daemon `\\acd-lb\\shared\\JTELCarrierPortal\\AppServer\\Portal.Daemon.TTS.Manager.r5` on the server (also as an autostart daemon).

## Resource Configuration in jtel Portal


The following resources should be configured for all relevant security groups:


Resource	Comment
portal.PromptManagement.Waves.ProhibitTTSDownload	Take away the "X" to allow downloading of TTS files
portal.PromptManagement.Waves.TTSEngine	Add "X" to allow generation of TTS files
portal.SystemSettings.TTSEngines	Allow editing of the TTS engines

Setting	Value
Manufacturer	Cereproc
Language	As provided by the TTS voice installed
Sex	As provided by the TTS voice installed
Speaker Name	Type in the EXACT name of the speaker here

<p>Generation Template</p>	<p><b>Without tags</b></p> <p>\$text</p> <p><b>With tags</b></p> <p>If tags are to be used in the TTS, then the following template can also be used, this allows the use of SSML tags.</p> <p>See</p> <p><a href="https://www.w3.org/TR/speech-synthesis11/">https://www.w3.org/TR/speech-synthesis11/</a></p> <p><a href="https://www.cereproc.com/files/CereVoiceCloudGuide.pdf">https://www.cereproc.com/files/CereVoiceCloudGuide.pdf</a></p> <pre>&lt;speak version="1.0" xmlns="http://www.w3.org/2001/10/synthesis" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.w3.org/2001/10/synthesis http://www.w3.org/TR/speech-synthesis/synthesis.xsd" xml:lang="de"&gt;\$text &lt;/speak&gt;</pre> <p>This allows the generation of TTS texts, with tags. For example:</p> <p>Dies ist ein Test. &lt;prosody rate="+50%"&gt;Hier spreche ich ziemlich schnell.&lt;/prosody&gt; Hier wieder normal. &lt;prosody rate="-50%"&gt;Und hier ziemlich langsam.&lt;/prosody&gt;</p> <p>Do not forget to replace <b>xml:lang="de"</b> with the appropriate language.</p>
<p>Offline Generation Command</p> <p><b>Up to Portal Release 3.17 with Cereproc V4</b></p>	<pre>%USERDIR3%bin\Cereproc\Cereproc_Generate.cmd \$speaker "\$infile" "\$outfile" "%TEMPDIR%"</pre>
<p>Offline Generation Command</p> <p><b>From Portal Release 3.18 with Cereproc V4</b></p>	<p><b>For 8kHz Voices:</b></p> <pre>%USERDIR3%bin\Cereproc\v4\Cereproc_Generate_8000.cmd \$speaker "\$infile" "\$outfile" "%TEMPDIR%"</pre> <p><b>For 48kHz Voices:</b></p> <pre>%USERDIR3%bin\Cereproc\v4\Cereproc_Generate_48000_to_8000.cmd \$speaker "\$infile" "\$outfile" "%TEMPDIR%"</pre>

Offline Generation Command	<p><b>For 8kHz Voices:</b></p> <pre>%USERDIR3%bin\Cereproc\v5\Cereproc_Generate_8000.cmd \$speaker "\$infile" "\$outfile" "%TEMPDIR%"</pre> <p><b>For 48kHz Voices:</b></p> <pre>%USERDIR3%bin\Cereproc\v5\Cereproc_Generate_48000_to_8000.cmd \$speaker "\$infile" "\$outfile" "%TEMPDIR%"</pre>
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**PORTAL**


**Edit TTS Engine "Cereproc de-DE Gudrun"**

**Engine**

Manufacturer : Cereproc  
Language : German (Germany) ▼  
Sex : ☐ Male ☒ Female  
Speaker Name : Gudrun

**Commands**

\$text

Generation Template :

Please integrate \$filename for the lexicon and \$text for the tts text to be generated

Offline Generation Command : c:\JTELCarrierPortal\bin\Cereproc\Cereproc\_Generate.cmd \$speaker "\$infile"

This specifies the command line command used to generate .wav files from the TTS engine. The following variables are available: \$infile, \$language\_iso\_code, \$outfile, \$speaker.

Save Cancel

## Using the TTS

Create a new prompt, and an empty file in the prompt in the appropriate language. Once it is created, when using the Edit function, TTS may be specified.