

# Resource - voicecodecprofile

## About this Resource

Defines a **Voice Codec Profile** used by the [Media List Profile Table](#).

## REST API Methods for this Resource

- GET voicecodecprofile
- GET voicecodecprofile id
- POST voicecodecprofile id
- PUT voicecodecprofile id
- DELETE voicecodecprofile id

## Resource Schema

### Configuration

Parameter Name	Required	Service Affecting	Data Type	Default Value	Possible Values	Description
Description	No	No	string	none	64 - Max Length	Identifies this profile so it can be easily recognized when selecting a codec.
MediaType	Yes	Yes	Enum	3	<p>Possible values:</p> <ul style="list-style-type: none"><li>• 0 - mcNone</li><li>• 1 - mcUnknown</li><li>• 2 - mcG711A</li><li>• 3 - mcG711u</li><li>• 4 - mcG723</li><li>• 5 - mcG726</li><li>• 6 - mcG729A</li><li>• 7 - mcT38Fax</li><li>• 8 - mcCN</li><li>• 9 - mcEventSignal</li><li>• 10 - mcRTPRedundancy</li><li>• 11 - mcTransparent</li><li>• 12 - mcFaxRelay</li><li>• 13 - mcFaxRelayAlaw</li><li>• 14 - mcFaxRelayUlaw</li><li>• 15 - mcModemRelay</li><li>• 16 - mcModemRelayAlaw</li><li>• 17 - mcModemRelayUlaw</li><li>• 18 - mcG722</li><li>• 19 - mcG722_2</li></ul>	<p>Specifies the voice coding and encoding scheme used towards the IP side of a VoIP call. The chosen codec affects the audio quality and bandwidth consumption of VoIP calls to which you apply this Voice Codec Profile (in the Media List Profile).</p> <div style="border: 1px solid #ccc; padding: 5px;"><p><b>i</b> Only the following codecs are currently supported:</p><ul style="list-style-type: none"><li>• <b>mcG711A - 2</b> - G.711 A-Law</li><li>• <b>mcG711u - 3</b> - G.711 Mu-Law</li><li>• <b>mcG723 - 4</b> - G.723.1</li><li>• <b>mcG726 - 5</b> - G.726</li><li>• <b>mcG729A - 6</b> - G.729</li><li>• <b>mcG722 - 18</b> - G.722</li><li>• <b>mcG722_2 - 19</b> - G.722.2</li></ul></div>

Voice sampling rate in bits/sec to be used by the codec. This setting applies to G.723.1 and G.726 codecs only. For all other codecs, the voice sampling rate is fixed and defined in the appropriate specification for that codec.

VoiceRateInBitsPerSecond

No

No

int

0



Possible values:



- 0 - Minimum
- 64000 - Maximum



This option is available when **Codec** is set to **G.723.1**, **G.726**, **G.722**, or **G.722.2**.

- For G.723.1 - acceptable values are 5300 and 6300.
- For G.726 - acceptable value is 32000
- For G.722 - acceptable value is 64000
- For G.722.2 - acceptable values are 6600, 8850, 12650, 14250, 15850, 18250, 19850, 23050, and 23850

PayloadType	No	No	int	0	Possible values: <ul style="list-style-type: none"> <li>• 0 - Minimum</li> <li>• 127 - Maximum</li> </ul>	<p>Specifies the payload type for this profile. Acceptable values for different codecs are as follows:</p> <ul style="list-style-type: none"> <li>• G.711 Mu-law: <b>0</b></li> <li>• G.711 A-law: <b>8</b></li> <li>• G.723.1: <b>4</b></li> <li>• G.729: <b>18</b></li> <li>• G.722: <b>9</b></li> <li>• For G.726 : <b>2</b> and any number between <b>96-127</b>. 2 is the payload at 32Kbps.</li> <li>• For G.722.2 : any number between <b>96-127</b>.</li> </ul> <div data-bbox="1084 604 1365 772" style="border: 1px solid #ccc; padding: 5px; background-color: #e6f2ff;"> <p> This option is available when <b>Cod ec</b> is <b>G.726</b> or <b>G.722.2</b>.</p> </div> <div data-bbox="1084 793 1365 1056" style="border: 1px solid #ccc; padding: 5px; background-color: #fff9c4;"> <p> The Payload Type selected for G.726 or G.722.2 must not conflict with that selected for Digit Relay (in <a href="#">Media List Profile</a>).</p> </div>

<p><b>PTimeInMilliseconds</b></p>	<p>No</p>	<p>No</p>	<p>int</p>	<p>0</p>	<p>Possible values:</p> <ul style="list-style-type: none"> <li>• 0 - Minimum</li> <li>• 90 - Maximum</li> </ul>	<p>Real-Time Transport Protocol (RTP) packet payload size in milliseconds. Smaller payload sizes decrease audio transport latency at the expense of higher bandwidth consumption.</p> <div data-bbox="1084 331 1365 1037" style="border: 1px solid #ccc; padding: 5px;"> <p> Valid values for the different media types are:</p> <ul style="list-style-type: none"> <li>• G.711 A-law: 10, 20, 30, 40, 50, 60 ms</li> <li>• G.711 Mu-law: 10, 20, 30, 40, 50, 60 ms</li> <li>• G.723.1: 30, 60, 90 ms</li> <li>• G.729: 10, 20, 30, 40, 50, 60, 70, 80 ms</li> <li>• G.726: 10, 20, 30, 40, 50, 60 ms</li> <li>• G.722: 20 ms</li> <li>• G.722.2: 20, 40, 60, 80 ms</li> </ul> </div>
<p><b>PayloadFormat</b></p>	<p>Yes</p>	<p>Yes</p>	<p>Enum</p>	<p>0</p>	<p>Possible values:</p> <ul style="list-style-type: none"> <li>• 0 - AMR_WB_BWE</li> <li>• 1 - AMR_WB_OTA</li> </ul>	<p>Payload format for packetization of AMR and AMR-WB encoded speech signals into the Real-time Transport Protocol.</p> <div data-bbox="1084 1230 1365 1528" style="border: 1px solid #ccc; padding: 5px;"> <p> Following payload formats are supported:</p> <ul style="list-style-type: none"> <li>• Bandwidth Efficient Mode</li> <li>• Octet Aligned Mode</li> </ul> </div>