Date

The `Date` voice element captures a date input from the caller. The date can be entered using DTMF input (in the YYYYMMDD format). It can also be spoken in natural language including a month, day and year. The captured value will be stored in element data as a fixed-length date string in the YYYYMMDD format. If the year is not specified in the input, YYYY is stored as "????". And if the month or the day is not specified, MM and DD will be stored as "??".

Settings

Name (Label)	Type	Req'd	Single Setting Value	Substitution Allowed	Default	Notes
inputmode (Input Mode)	string enum	Yes	`true`	`false`	both	The type of entry allowed for input. Possible values are: `voice` | `dtmf` | `both`.
Noinput_timeout (Noinput Timeout)	string	Yes	`true`	`true`	5s	The maximum time length allowed for silence or no keypress before a noinput event is thrown. Possible values are standard time designations including both a non-negative number and a time unit, for example, 3s (for seconds) or 3000ms (for milliseconds). Default = 5s.
collect_max_noinput_count (Date Max NoInput Count)	int ≥ 0	Yes	`true`	`true`	3	The maximum number of noinput events. 0 = infinite noinputs allowed.

collect_max_nomatch_count (Date Max NoMatch Count)	int ≥ 0	Yes	true	false	3	The maximum number of nomatch events allowed. 0 = infinite nomatches allowed.
collect_confidence_level (Date Confidence Level)	decimal (0.0 – 1.0)	Yes	true	true	0.40	The confidence level threshold to use during date capture.
modal (Disable Hotlinks)	boolean	Yes	true	true	false	If set to true, only the grammars of the current Date element will be enabled for the duration of the element. Otherwise all active grammars will be enabled.
secure_logging (Secure Logging)	boolean	Yes	true	true	false	If set to true, user DTMF input for the element is considered secure and the attributes utterance, interpretation, value, nbestUtteranceX and nbestInterpretationX are masked in VXML server logs. The format used to render secure element attributes is to add a *_secureLogging* suffix. For example `nbestUtterance1_secureLogging,*****.`
maxnbest (Maxnbest)	int ≥ 1	Yes	true	true	1	The maximum number of speech recognition results that can be generated per voice input.

Refer to the following Element Data table for information about nbestUtteranceX and nbestInterpretationX.

Element Data

Name	Type	Notes
value	string	The date stored in the YYYYMMDD format.
value_confidence	float	This is the confidence value of the captured date utterance. When n-best recognition is enabled, this stores the confidence score of the top hypothesis in the n-best list.
nbestLength	int ≥ 1	This stores the number of n-best hypotheses generated by the speech engine.
nbestUtterance1 nbestUtterance2 … nbestUtteranceX	string	This set of element data stores the captured n-best utterances. While the maximum number of nbestUtteranceX values is equal to the maxnbest setting value, the actual number of these values available is determined by speech recognition at runtime, where nbestUtterance1 holds the utterance of the top hypothesis in the n-best list and nbestUtteranceX holds the utterance of the last hypothesis.

nbestInterpretation1 nbestInterpretation2 … nbestInterpretationX	string	This set of element data stores the interpretations of captured n-best utterances. While the maximum number of nbestInterpretationX values is equal to the maxnbest setting value, the actual number of these values available is determined by speech recognition at runtime, where nbestInterpretation1 holds the interpretation of the top hypothesis in the n-best list and nbestInterpretationX holds the interpretation of the last hypothesis.
nbestConfidence1 nbestConfidence2 … nbestConfidenceX	float	This set of element data stores the confidence scores of captured n-best utterances. While the maximum number of nbestConfidenceX values is equal to the maxnbest setting value, the actual number of these values available is determined by speech recognition at runtime, where nbestConfidence1 holds the confidence score of the top hypothesis in the n-best list and nbestConfidenceX holds the confidence score of the last hypothesis.
nbestInputmode1 nbestInputmode2 … nbestInputmodeX	string	This set of element data stores the input modes of captured n-best utterances.

Exit States

Name	Notes
max_nomatch	The maximum number of nomatch events has occurred. If the max nomatch count is 0, this exit state will never occur.
max_noinput	The maximum number of noinput events has occurred. If the max noinput count is 0, this exit state will never occur.
done	The data capture was completed.

Audio Groups

Date Capture

Name (Label)	Req'd	Max 1	Notes
collect_initial_audio_group (Date Initial)	Yes	Yes	Played when the voice element first begins.
collect_noinput_audio_group (Date NoInput)	No	No	Played when a noinput event occurs during date input. The noinput event count corresponds to the audio group count.

collect_nomatch_audio_group (Date NoMatch)	No	No	Played when a nomatch event occurs during date input. The nomatch event count corresponds to the audio group count.
collect_help_audio_group (Date Help)	No	No	Played when a help event occurs during date input. The help event count corresponds to the audio group count. If not specified, a help event is treated as nomatch.

End

Name (Label)	Req'd	Max1	Notes
done_audio_group (Done)	No	Yes	Played after the date capture is completed. If not specified, no audio will be played.

Folder and Class Information

Studio Element Folder Name	Class Name
Date & Time	com.audium.server.voiceElement.date.MBasicDate

Events

Name (Label)	Notes
Event Type	You can select **Java Exception**, **VXML Event**, or **Hotlink** as event handler for this element.