Date

Plugin Name:	date
Display Name:	Date
Class Name:	com.audium.sayitsmart.plug-ins.AudiumSayItSmartDate

Description

This Say It Smart type handles the reading of a date or portions of a date. It handles many input formats for the date, some of which provide only a partial date. The plug-in also supports the components of the date separated by forward slashes (/) and will require the use of this delimiter if any component of the date is expressed with one digit instead of two (for example, May 2 can be expressed as 0502 or 5/2 where the slash is required if any component is not padded with 0s). The date is read back in standard English fashion; the month name (rather than the number), the day, and the year. If only partial information is available, only that data will be read. The plug-in will only read legitimate dates according to the standard Gregorian calendar and will throw an error if an incorrect date is given.

This plug-in uses the Unified CVP Number Say it Smart plug-in to render the year. It uses the same audio files so recordings done to support Number can be leveraged to support Date.

Input Formats

All input formats with more than one date component can appear delimited with forward slashes.

Name **(Display Name)**	**Description**

mmddyyyy (MMDDYYYY)	The full date with the month, day, and four digit year. The data can be handled in any of the following formats: • mmddyyyy • mm/dd/yyyy • m/dd/yyyy • mm/d/yyyy • m/d/yyyy
mmddyy (MMDDYY)	The full date with the month, day, and two digit year. The data can be handled in any of the following formats: • mmddyy • mm/dd/yy • m/dd/yy • mm/d/yy • mm/dd/y • m/d/yy • m/dd/y • mm/d/y • m/d/y
ddmmyyyy (DDMMYYYY)	The full date with the day, month, and four digit year. The data can be handled in any of the following formats: • ddmmyyyy • dd/mm/yyyy • d/mm/yyyy • dd/m/yyyy • d/m/yyyy

ddmmyy (DDMMYY)	The full date with the day, month, and two digit year. The data can be handled in any of the following formats: • ddmmyy • dd/mm/yy • d/mm/yy • dd/m/yy • dd/mm/y • d/m/yy • d/mm/y • dd/m/y • d/m/y
yyyymmdd (YYYYMMDD)	The full date with the four digit year, month, and day. The data can be handled in any of the following formats: • yyyymmdd • yyyy/mm/dd • yyyy/m/dd • yyyy/mm/d • yyyy/m/d
mmyyyy (MMYYYY)	The month and four digit year. The data can be handled in any of the following formats: • mmyyyy • mm/yyyy • m/yyyy
mmyy (MMYY)	The month and two digit year. The data can be handled in any of the following formats: • mmyy • mm/yy • m/yy • mm/y • m/y

mmdd (MMDD)	The month and day. The data can be handled in any of the following formats: • mmdd • mm/dd • m/dd • mm/d • m/d
yyyy (YYYY)	The four digit year alone. The data can be handled in the following format: • yyyy
ddmm (DDMM)	The day and month. The data can be handled in any of the following formats: • ddmm • dd/mm • d/mm • dd/m • d/m
mm (MM)	The month alone. The data can be handled in the following format: • mm

Output Formats

Name **(Display Name)**	**Input Format Depends On**	**Description**
date (The Date)	mmddyyyy ddmmyyyy yyyymmdd	For all input formats containing the full date, this output format plays the month name, day, and full four digit year.
date_19 (The Date w/ YY=19)	mmddyy ddmmyy	For all input formats containing the full date and a two digit year, this plays the month name, day, and year assuming it is in the 1900s.

date_20 (The Date w/ YY=20)	mmddyy ddmmyy	For all input formats containing the full date and a two digit year, this plays the month name, day, and year assuming it is in the 2000s.
month_year (Month/Year)	mmyyyy	Plays the month name and full four digit year.
month_year_19 (Month/Year w/ YY=19)	mmyy	Plays the month name and year assuming it is in the 1900s.
month_year_20 (Month/Year w/ YY=20)	mmyy	Plays the month name and year assuming it is in the 2000s.
month_day (Month/Day)	mmdd ddmm	Plays the month name and the day.
month (Month)	mm	Plays the month name only.
year (Year)	yyyy	Plays the full four digit year only.

Filesets

Name **(Display Name)**	**Output Format Depends On**	**Description**
standard_date (Standard Full Date)	date date_19 date_20	This fileset contains all files needed to render the full date. It involves fewer audio files to render the year but at the cost of sounding a bit robotic. This directly correlates to the Unified CVP Number Say it Smart plug-in's `standard` fileset.
enhanced_date (Enhanced Full Date)	date date_19 date_20	This fileset contains all files needed to render the full date. This fileset involves more audio files to render a better sounding year. This directly correlates to the Unified CVP Number Say It Smart plug-in's `enhanced` fileset.

month_standard_year (Month/Standard Year)	month_year month_year_19 month_year_20	This fileset contains all files needed to render a month and a year. It involves fewer audio files to render the year but at the cost of sounding a bit robotic. This directly correlates to the Unified CVP Number Say it Smart plug-in's `standard` fileset.
month_enhanced_year (Month/Enhanced Year)	month_year month_year_19 month_year_20	This fileset contains all files needed to render a month and a year. This fileset involves more audio files to render a better sounding year. This directly correlates to the Unified CVP Number Say It Smart plug-in's `enhanced` fileset.
month_day (Month/Day)	month_day	This fileset contains all files needed to render a month and a day.
month (Month Only)	month	This fileset contains all files needed to render the month alone.
standard_year (Standard Year)	year	This fileset contains all files needed to render the year alone. It involves fewer audio files but at the cost of sounding a bit robotic. This directly correlates to the Unified CVP Number Say it Smart plug-in's `standard` fileset.
enhanced_year (Enhanced Year)	year	This fileset contains all files needed to render the year alone. This fileset involves more audio files to render a better sounding year. This directly correlates to the Unified CVP Number Say It Smart plug-in's `enhanced` fileset.

Audio Files

All filesets including the month have a separate file for each month. All filesets with the day of the month will have a separate file for each day (*1st*, *2nd*, and so on). Only those filesets containing the year have standard and enhanced versions that render the year with less files or more files respectively. The files required to render the year are almost the same as the Unified CVP Number Say it Smart plug-in with the exception that numbers greater than 9999 are not necessary and zero is replaced with *oh*.

Standard Full Date

January	February	March	April	May	June	July	August	September	October	November	December

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
13th	14th	15th	16th	17th	18th	19th	20th	21th	22nd	23rd	25th
26th	27th	28th	29th	30th	31st						
oh	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	30	40	50
60	70	80	90	hundred	thousand						

Enhanced Full Date

January	February	March	April	May	June	July	August	September	October	November	December
1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
13th	14th	15th	16th	17th	18th	19th	20th	21th	22nd	23rd	25th
26th	27th	28th	29th	30th	31st						
oh	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35
36	37	38	39	40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69	70	71
72	72	73	74	75	76	77	78	79	80	81	82
83	84	85	86	87	88	89	90	91	92	93	94
95	96	97	98	99	100	200	300	400	500	600	700
800	900	1000	2000	3000	4000	5000	6000	7000	8000	9000	hundred

Month/Standard Year

January	February	March	April	May	June	July	August	September	October	November	December
oh	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	30	40	50
60	70	80	90	hundred	thousand						

Month/Enhanced Year

January	February	March	April	May	June	July	August	September	October	November	December

oh	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35
36	37	38	39	40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69	70	71
72	72	73	74	75	76	77	78	79	80	81	82
83	84	85	86	87	88	89	90	91	92	93	94
95	96	97	98	99	100	200	300	400	500	600	700
800	900	1000	2000	3000	4000	5000	6000	7000	8000	9000	hundred

Month/Day

January	February	March	April	May	June	July	August	September	October	November	December
1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
13th	14th	15th	16th	17th	18th	19th	20th	21th	22nd	23rd	25th
26th	27th	28th	29th	30th	31st						

Month Only

January	February	March	April	May	June	July	August	September	October	November	December

Standard Year

oh	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	30	40	50
60	70	80	90	hundred	thousand						

Enhanced Year

oh	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35
36	37	38	39	40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69	70	71

72	72	73	74	75	76	77	78	79	80	81	82
83	84	85	86	87	88	89	90	91	92	93	94
95	96	97	98	99	100	200	300	400	500	600	700
800	900	1000	2000	3000	4000	5000	6000	7000	8000	9000	hundred

Examples

Example #1

Data:	02171971
Input Format:	mmddyyyy
Output Format:	date
Fileset	standard_date
Playback:	“February” “17th” “19” “70” “1”

Example #2

Data:	02/09/05
Input Format:	ddmmyy
Output Format:	date_19
Fileset	enhanced_date
Playback:	“September” “2nd” “19” “oh” “5”

Example #3

Data:	072003
Input Format:	mmyyyy
Output Format:	month_year
Fileset	month_standard_year
Playback:	“July” “2” “thousand” “3”

Example #4

Data:	2387
Input Format:	yyyy
Output Format:	year

Fileset	enhanced_year
Playback:	“23” “87”

Example #5

Data:	12
Input Format:	mm
Output Format:	month
Fileset	month
Playback:	“December”

Example #6

Data:	10/10
Input Format:	mmdd
Output Format:	month_day
Fileset	month_day
Playback:	“October” “10th”