

System variables in Captivate 8, 9, 2017 (10), 2019 (11)

1. Movie Control (cannot be inserted in a text container)

Variable	Explanation	Type	Default	Comment/example
cpCmndCC	Hide (0)/Show CC (1)	Boolean (0/1)	0	available in Assign dropdown list for simple action, can be toggled. See 1 Shared action = 5 Toggle buttons Alternative for 'Hide TOC', 'Show TOC' commands
cpCmndExit	Set to 1 to exit.	=1 for execution	0	Alternative for 'Exit' command
cpCmndGotoFrame	Jump to frame x and pause; index begins with 0	0≤number≤(total frames-1)	-1	'Assign cpCmndGotoFrame with 0' restarts the movie, pauses it at first frame. Important for micro-navigation as well as next command: See Micro-navigation (Introduction) . Playhead remains paused.
cpCmndGotoFrameAndResume	Jump to frame x and resume; index begins with 0	0≤number≤(total frames - 1)	-1	Avoids having to add 'Assign cpCmndResume with 1' or 'Continue' after cpCmndGotoFrame . Playhead is released.
cpCmndGotoSlide	Go to Slide x; slide numbers start with 0!	0≤number≤(total slides - 1)	-1	'Expression cpCmndGotoSlide = cpInfoCurrentSlide - 1' will restart slide but pauses! Add 'Assign cpCmndResume with 1' or 'Continue' to replay. See Replay Slide Button
cpCmndMute	Play audio (0)/Mute audio (1)	Boolean (0/1)	0	available in Assign dropdown list for simple action
cpCmndNextSlide	Set to 1 to go to Next Slide	=1 for execution	0	'Assign cpCmndNextSlide with 1' same as 'Go to the Next Slide'
cpCmndPause	Set to 1 to Pause (duo with cpCmndResume)	Boolean (0/1)	0	Alternative to command 'Pause' to be used with cpCmndResume to undo Pause
cpCmndPlaybarMoved	Read only	Internal	0	Not really a command, hence the type (internal)
cpCmndPrevious	Set to 1 to go to Previous Slide	=1 for execution	0	'Assign cpCmndPrevious with 1' same as 'Go to the Previous Slide'
cpCmndResume	Set to 1 to Pause (duo with cpCmndPause)	Boolean (0/1)	0	to be used after pausing with cpCmndPause Alternative for command 'Continue' when set to 1.
cpCmndShowPlaybar	Hide (0)/Show Playbar (1)	Boolean (0/1)	1	available in Assign dropdown list for simple action Alternative for 'Hide Playbar'/'Show Playbar'. Can be used for toggle button, see 1 Shared action = 5 Toggle buttons
cpCmndTOCVisible	Hide (0)/Show TOC (1)	Boolean (0/1)	0	Only functional for Overlay TOC! Alternative for Expand/Collapse icons, or commands 'Hide TOC', 'Show TOC' Use for toggle button: 1 Shared action = 5 Toggle buttons
cpCmndVolume	Audio volume: 0=mute, 100=max	0≤number≤100	100	
cpLockTOC	Disables (0)/ Enables(1) user interaction with TOC	Boolean (0/1)	1	available in Assign dropdown list for simple action Alternative for 'Lock TOC', 'Unlock TOC'



2. Movie Information: all variables are Read Only!

Variable	Explanation	Type	Default	Comment
CaptivateVersion	Shows current version	text	v 6.0.0	
cpInfoCurrentFrame	Returns current frame number; index begins with 0	number	1	Look at Replay Slide Button second scenario, to enable re-entering a slide this action is needed. 'Assign v_start with cpInfoCurrentFrame' Important in micor-navigation and for debugging actions: Watch Captivate's Timeline
cpInfoCurrentSlide	Returns current slide number - index begins with 1	number	1	Exceptional: all other collections start with 0, this one starts with 1. Use it to create progress in footer 'Slide cpInfoCurrentSlide/cpInfoSlideCount ' on master slide
cpInfoCurrentSlideLabel	Returns current slide label	text	slide	Could be used on main master slide
cpInfoCurrentSlideType	Returns current slide type	text	normal	possible values: Normal Slide (also for Overlay slides), Question Slide (also for Pretest, KC and overlay slides questions), Random Question
cpInfoElapsedTimeMS	Returns elapsed time (msec) since movie started playing	number	0	calculations needed to show real elapsed time in a 'readable' format. See: Display Time Information
cpInfoFPS	Returns frame rate movie in fps	number	1	default framerate CP = 30fps.
cpInfoFrameCount	Returns total number of frames in movie	number	0	Calculate total time in secs (based on slide durations): 'Expression v_time = cpInfoFrameCount/cpInfoFPS' See Display Time Information
cpInfoHasPlaybar	Playbar disabled (0)/enabled(1)	Boolean (0/1)	1	
cpInfoIsStandalone	Returns 1 if standalone (exe/app)	Boolean (0/1)	1	
cpInfoLastVisitedSlide	Returns number slide user visited last; index begins with 0	number	0	'Assign cpCmdnGotoSlide with cpInfoLastVisitedSlide' Identical to Go to Last Visited Slide
cpInfoPrevSlide	Returns number slide just before current slide; index begins with 0	number	-1	Watch difference with previous variable!
cpInfoSlideCount	Returns total number of slides in movie	number	1	useful to create progress in footer 'Slide cpInfoCurrentSlide/cpInfoSlideCount ' on master slide)



3. Movie MetaData (Read-only)

Variable	Explanation	Type	Default	Comment
cpInfoAuthor	Returns name author	text	author	to specify in File, Project Info
cpInfoCompany	Returns name company	text	company	to specify in File, Project Info
cpInfoCopyright	Returns copyright information	text	copyright	to specify in File, Project Info
cpInfoCourseId	Returns Course ID	number	-1	? Mystery var, certainly not in File, Project Info, nor in SCO identification
cpInfoCourseName	Returns Course name	text	Course name	? Mystery var, certainly not in File, Project Info, nor in SCO identification
cpInfoDescription	Returns description of project	number	1	to specify in File, Project Info
cpInfoEmail	Returns email information	number	0	to specify in File, Project Info
cpInfoProjectName	Returns name of Project	Boolean (0/1)	1	to specify in File, Project Info
cpInfoWebsite	Returns info website	Boolean (0/1)	1	to specify in File, Project Info



4. System Information (Read only)

Variable	Explanation	Type	Default	Comment
cpInfoCurrentDate	Returns current day of month (for 10 February will return '10')	number	dd	If Day<10 only one digit will be shown
cpInfoCurrentDateString	Returns current date in US format	date	mm/dd/yyyy	
cpInfoCurrentDateStringDDMMYY	Returns current date in UK format	date	dd/mm/yyyy	Useful in Europe, still no ISO-format yyyy/mm/dd
cpInfoCurrentDay	Returns current day of the week: Sunday=1; Monday=1...	number	1	only possible in this American way (Europe Monday=1)
cpInfoCurrentHour	Returns current hour	number	hh	24 hr format ☺
cpInfoCurrentLocaleDateString	Returns current date based on local settings	date		(New since 7) useful to show different date format, takes over date setting in OS
cpInfoCurrentMinutes	Returns current minute(s)	number	mm	
cpInfoCurrentMonth	Returns number month (February=2)	number	mm	
cpInfoCurrentTime	Returns current time	time	hh:mm:ss	only this format is possible, fixed: mm always 2 digits
cpInfoCurrentYear	Returns current year	number	yyyy	only this format is possible
cpInfoEpochMS	Returns time elapsed (msec) since 1 st January 1970	number	0	More useful than cpInfoElapsedTimeMS in many cases. Need calculations by advanced action to be shown in readable format
cpInfoMobileOS	Returns OS type of device: 0/1/2 if desktop/iOS/Android, string for other OS	number or string	0 (desktop)	This variable can be used to adapt to OS in responsive projects or app.



5. Quizzing (Read only). More information in [Quizzing System Variables](#)

Variable	Explanation	Type	Default	Comment
cpInQuizScope	In(1) or outside (0) of quiz scope	Boolean (0/1)	0	New in 6 because of dynamic quiz scope
cpInReviewMode	Toggled to 1 if in Review mode	Boolean (0/1)	0	
cpInfoPercentage	Returns Quiz Score as percentage	number	0	populated after each question (no pretest) If Branch aware is activated, will calculate % only the the questions in the branch
cpQuizInfoAnswerChoice	Returns answer chosen by user in submitted question	depends on question type?	empty	repopulated after each question
cpQuizInfoAttempts	Returns number of attempts Quiz level	number	0	incremented when new attempt starts, also pretest; no equivalent variable for attempts on question level
cpQuizInfoLastSlidePointScored	Returns score obtained for last question	number	0	reused, populated after each question; can be used to calculate score on a selected subset of questions:
cpQuizInfoMaxAttemptsOnCurrentQuestion	Returns max number of attempts/question	number	0	repopulated after each question
cpQuizInfoNegativePointsOnCurrentQuestionSlide	Returns negative points for this question	number	0	new in 6
cpQuizInfoPassFail	Returns 1 for Pass, 0 for Fail	Boolean (0/1)	0	does not take into account pretest questions, there is no similar system variable for pretest
cpQuizInfoPointsPerQuestionSlide	Returns points set for current question	number	0	populated after each question; can be used to calculate maximum possible score for a subset of questions
cpQuizInfoPointsscored	Returns number of points scored	number	0	populated after each question (no pretest) If Branch aware is activated, will count only the score of the questions in the branch
cpQuizInfoPreTestMaxScore	Returns max total score of pretest	number	0	with the 5 pretest variables you can create a pretest score slide.
cpQuizInfoPreTestTotalCorrectAnswers	Returns number of correctly answered pretest questions	number	0	(
cpQuizInfoPreTestTotalQuestions	Returns number of Pretest questions	number	0	
cpQuizInfoPretestPointsscored	Returns number of points scored in pretest	number	0	
cpQuizInfoPretestScorePercentage	Returns score pretest as percentage	number	0	
cpQuizInfoQuestionPartialScoreOn	Partial score on/off (1/0) for current question	Boolean (0/1)	0	
cpQuizInfoQuestionSlideTiming	Returns time limit (secs) for current question	number	0	If you activate Time Limit in Quiz Properties, Options



cpQuizInfoQuestionSlideType	Returns type of question	text	choice	Values: Choice, TrueFalse, FillIn, LongFillIn (short answer), Matching, HotSpot, Sequence, Likert,
cpQuizInfoQuizPassPercent	Returns passing percentage set as criterion in Quiz settings	number	80	Do not confuse this percentage (required % in Quiz Settings) with cpInfoPercentage (obtained by user)
cpQuizInfoQuizPassPoints	Returns passing points set as criterion	number	0	If you choose this as criterion instead of percentage
cpQuizInfoTotalCorrectAnswers	Returns number of correct answers	number	0	Not for pretest questions. Beware: partially correct answers are counted as correct.
cpQuizInfoTotalProjectPoints	Returns total number of project points	number	0	Only populated after first question, but identical to cpQuizInfoTotalQuizPoints. Beware: total of pretest and normal question slides , Advanced Interaction view (F9)!
cpQuizInfoTotalQuestionsPerProject	Returns total number of questions	number	0	Sum for both pretest and normal questions and for all scored objects; check Advanced Interaction panel (F9).!
cpQuizInfoTotalQuizPoints	Returns total number of project points	number	0	Populated from start, identical to cpQuizInfoTotalProjectPoints. . Beware: total of pretest and normal question slides Advanced Interaction view (F9)!
cpQuizInfoTotalUnansweredQuestions	Returns total number unanswered questions	number	0	Takes only real questions into account, not pretest questions If Branch aware is activated, will count only the the questions in the branch

6. Mobile (Read only)

Variable	Explanation	Type	Default	Comment
cpInfoGeoLocation	Returns geometric location	3 numbers: Lat/Long/Acc	none	To be used in combination with user variables that have specific geolocations. Only functional on devices where geolocation can be determined and is activated. Exceptional: only variable that is a container with 3 numbers.