**Date and time format variables**

<http://docs.splunk.com/Documentation/Splunk/6.0.2/SearchReference/Commontimeformatvariables>

This topic lists the variables that you can use to define time formats in [eval](http://docs.splunk.com/Documentation/Splunk/6.0.2/SearchReference/Eval) functions, [strftime() and strptime()](http://docs.splunk.com/Documentation/Splunk/6.0.2/SearchReference/CommonEvalFunctions). You can also use these variables to describe timestamps in event data.

Additionally, you can use the relative\_time() and now() time functions as arguments.

For more information about working with dates and time, see [About searching with time](http://docs.splunk.com/Documentation/Splunk/6.0.2/Search/Aboutsearchtimeranges) in the *Search Manual*.

**Date and time variables**

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| **Variable** | **Description** |
| %c | The date and time in the current locale's format as defined by the server's operating system. For example, Mon Jul 13 09:30:00 2015 for US English on Linux. |
| %+ | The date and time with time zone in the current locale's format as defined by the server's operating system. For example, Mon Jul 13 09:30:00 PDT 2015 for US English on Linux. |

**Time variables**

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| **Variable** | **Description** |
| %Ez | Splunk-specific, timezone in minutes. |
| %H | Hour (24-hour clock) as a decimal number. Hours represented by the values 00 to 23. Leading zeros are accepted but not required. |
| %I | Hour (12-hour clock) with the hours represented by the values 01 to 12. Leading zeros are accepted but not required. |
| %k | Like %H, the hour (24-hour clock) as a decimal number. Leading zeros are replaced by a space, for example 0 to 23. |
| %M | Minute as a decimal number. Minutes represented by the values 00 to 59. |
| %N | Subseconds with width. (%3N = milliseconds, %6N = microseconds, %9N = nanoseconds) |
| %p | AM or PM. |
| %Q | The subsecond component of 2015-11-30 23:59:59.999 UTC.  %3Q = milliseconds, with values of 000-999. %6Q = microseconds, with values of 000000-999999. %9Q = nanoseconds, with values of 000000000-999999999. |
| %S | Second as a decimal number, for example 00 to 60. |
| %s | The Unix Epoch Time timestamp, or the number of seconds since the Epoch: 1970-01-01 00:00:00 +0000 (UTC). (1352395800 is Thu Nov 8 09:30:00 2012) |
| %T | The time in 24-hour notation (%H:%M:%S). |
| %X | The time in the format for the current locale. For US English the format for 9:30 AM is 9:30:00. |
| %Z | The timezone abbreviation. For example EST for US Eastern Standard Time. |
| %z | The timezone offset from UTC, in hour and minute: +hhmm or -hhmm. For example, for 5 hours before UTC the values is -0500 which is Eastern Standard Time. |
| %% | A literal "%" character. |

**Date variables**

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| **Variable** | **Description** |
| %F | Equivalent to %Y-%m-%d (the ISO 8601 date format). |
| %x | The date in the current locale's format. (7/13/2015 for US English) |

**Specifying days**

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| **Variable** | **Description** |
| %A | Full weekday name. (Sunday, ..., Saturday) |
| %a | Abbreviated weekday name. (Sun, ... ,Sat) |
| %d | Day of the month as a decimal number, includes a leading zero. (01 to 31) |
| %e | Like %d, the day of the month as a decimal number, but a leading zero is replaced by a space. (1 to 31) |
| %j | Day of year as a decimal number, includes a leading zero. (001 to 366) |
| %w | Weekday as a decimal number. (0 = Sunday, ..., 6 = Saturday) |

**Specifying months**

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| **Variable** | **Description** |
| %b | Abbreviated month name. (Jan, Feb, etc.) |
| %B | Full month name. (January, February, etc.) |
| %m | Month as a decimal number. (01 to 12) |

**Specifying year**

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| **Variable** | **Description** |
| %y | Year as a decimal number, without the century. (00 to 99) |
| %Y | Year as a decimal number with century. (2015) |

**Examples**

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| **Time format string** | **Result** |
| %Y-%m-%d | 2014-12-31 |
| %y-%m-%d | 14-12-31 |
| %b %d, %Y | Feb 11, 2015 |
| q|%d%b '%y = %Y-%m-%d| | q|23 Apr '15 = 2015-04-23| |