

# Supported Time Formats

All Opmantek applications that handle time-series data use a [common mechanism](#) for parsing start and end times, which supports a large number of different formats listed below.

Starting with opEvents 2.0.4, Time zone formats are also supported.

## Default Format

The default format is the specific "DD-MON-YYYY HH:MM:SS", which you will have seen already in the Quick Search field.

The default time zone is the server's local time zone (or the configured time zone as per `omkd_display_timezone` - available in opEvents releases 2.0.4 and newer).

<h3>Absolute Date Formats</h3> <ul style="list-style-type: none"><li>• Dow, dd Mon yy</li><li>• Dow, dd Mon yyyy</li><li>• Dow, dd Mon</li><li>• dd Mon yy</li><li>• dd Mon yyyy</li><li>• Month day{st,nd,rd,th}, year</li><li>• Month day{st,nd,rd,th}</li><li>• Mon dd yyyy</li><li>• yyyy/mm/dd</li><li>• yyyy-mm-dd</li><li>• yyyy/mm</li><li>• mm/dd/yy</li><li>• mm/dd/yyyy</li><li>• mm/yy</li></ul>	<h3>Absolute Time Formats</h3> <ul style="list-style-type: none"><li>• hh:mm:ss[.ddd]</li><li>• hh:mm</li><li>• hh:mm[AP]M</li><li>• hh[AP]M</li><li>• hhmmss[[AP]M]</li><li>• "noon"</li><li>• "midnight"</li></ul>
<h3>Relative Date Formats</h3> <ul style="list-style-type: none"><li>• count "days"</li><li>• count "weeks"</li><li>• count "months"</li><li>• count "years"</li><li>• Dow "after next"</li><li>• Dow "before last"</li><li>• "next" Dow</li><li>• "tomorrow"</li><li>• "today"</li><li>• "yesterday"</li><li>• "last" dow</li><li>• "last week"</li><li>• "now"</li><li>• "now" "+" count units</li><li>• "now" "-" count units</li><li>• "+" count units</li><li>• "-" count units</li><li>• count units "ago"</li></ul>	<h3>Relative Time Formats</h3> <ul style="list-style-type: none"><li>• count "minutes" (count can be fractional "1.5" or "1 1/2")</li><li>• count "seconds"</li><li>• count "hours"</li><li>• "+" count units</li><li>• "-" count units</li><li>• count units "ago"</li></ul>

## Timezone Formats

The underlying date and time parser understands primarily the formats "GMT+H", "GMT+HHMM", "+HHMM" (and the corresponding variants with "-"), and a very limited subset of Timezone names.

An example of a date and time with time zone is **2023-12-25 22:00:00 UTC**