Hadoop Hive Date Functions

Date types are highly *formatted* and very *complicated*. Each date value contains the **century, year, month, day, hour, minute, and second**. We shall see how to use the **Hadoop Hive date functions** with an examples. You can use these functions as **Hive date conversion functions** to manipulate the date data type as per the application requirements. Below are the most commonly used Hadoop Hive DateTime functions:

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| **Date Function** | **Description** |
| current\_timestamp() | Returns the current date and time of the system. There is no now() function is Hadoop Hive. |
| current\_date() | Returns the current date of the system without any time part. |
| add\_months(timestamp date, int months) | Adds month value to specified date or timestamp values. |
| to\_date(timestamp date) | Converts Hive timestamp value to date data type. |
| date\_add(timestamp startdate, int days) | Adds days to specified timestamp value. Hive does not support interval data type in date\_add. You can use [interval type directly](https://dwgeek.com/hive-interval-data-types-and-conversion-examples.html/) to add or substract from date values |
| date\_sub(timestamp startdate, int days) | Substract specified number of days from the date or timestamp value. |
| datediff(timestamp enddate, timestamp startdate) | timestamp startdate)  Returns number of days between the two date or timestamp values. |
| from\_unixtime(bigint unixtime[, string format]) | Converts the number of seconds from the Unix epoch to the specified time into a string. |
| month(timestamp date), minute(timestamp date), hour(timestamp date), day(timestamp date), second(timestamp date) | Returns month, minutes, hours, days, seconds from the timestamp. |
| trunc(timestamp, string unit) | Strips off fields from a TIMESTAMP value. |
| unix\_timestamp() | Gets current time stamp using the default time zone. |
| unix\_timestamp(string date) | Converts time string in format yyyy-MM-dd HH:mm:ss to Unix time stamp. |
| from\_utc\_timestamp(timestamp, string timezone) | Converts a specified UTC timestamp value into the appropriate value for a specified time zone |