

Formatting Patterns

This page deals with the common applicable **formatting patterns for numbers and dates** in Webdesk EWP. The patterns described here are **standardized throughout the system** and can be used anywhere in Webdesk where a formatting pattern can be specified to display data in a customized way.

The formatting patterns used in Webdesk follow the **formatting patterns standardized for Java**. It is always based on the international comma setting ("dot" as comma and "comma" as optional thousands separator).

Formatting Patterns for numbers (numerical values)

Um eine Zahl zu formatieren, muss zunächst eine **Struktur** festgelegt werden. In dieser Struktur kann eine Zahl entweder durch '#' oder durch '0' ersetzt werden, je nachdem, ob bei nicht vorhandenen Werten trotzdem **0 angezeigt** oder die Stelle **frei bleiben** soll. So ergeben sich zum Beispiel die **folgenden Möglichkeiten**.

To format a number, you must first define a **structure**. In this structure, a number can be replaced either by '#' or by '0', depending on whether **0 is to be displayed** for non-existent values or whether the position is **to be left blank**. For example, you have the **following options**:

Number	Formatting Pattern	Output Format
1234.20	#####.##	1234.2
1234.20	#####.00	1234,20

You can also add any **special characters or words** when entering the formatting pattern, such as the usual thousands separators. Examples of this can be:

Number	Formatting Pattern	Output Format
12345678.90	###,###.##" hours"	12,345,678.9 hours
12345678.90	"€ " ###,###.00	€ 12,345,678.90

For more detailed information on the Java formatting patterns for numbers, click [here](#)¹.

Formatting Patterns for dates

The following abbreviations are used for the date formatting patterns in Webdesk:

y --> for year
M --> for month
d --> for day

These letters serve as "**building blocks**" for the date information and can be freely combined in different sequences with various special characters. In the following table, only a few examples are shown:

Date	Formatting Pattern	Output Format
24.02.1990	MM-dd-yyyy	02-24-1990
24.02.1990	dd.MMM.yyyy	24.Jan.1990
24.02.1990	MMM." "dd"th, "yyyy	Jan. 24th, 1990

For more detailed information on the Java formatting patterns for dates, click [here](#)².

1. <https://docs.oracle.com/javase/tutorial/java/data/numberformat.html>
2. <https://docs.oracle.com/javase/7/docs/api/java/text/SimpleDateFormat.html>