# The `superemoji` Package

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## December 8, 2025

## 1 Overview

The `superemoji` package provides semantic emoji commands such as `\emoji{status-ok1}` instead of raw Unicode emoji in the source. Each semantic key (for example `status-ok1` or `emo-joy1`) is mapped to one or more Unicode emoji in an external JSON file that is compiled into LaTeX macros by the package.

## 2 Loading the package

At minimum, load `fontspec` and `superemoji` and select an emoji-capable font. The document should be compiled with LuaLaTeX or XeLaTeX so that Unicode emoji are supported.

```
\usepackage{fontspec}
\usepackage{superemoji}

\renewfontfamily\EmojiFont{Segoe UI Emoji}

\renewcommand{\emoji}[1]{%
 \ifcsdef{emoji@#1}%
 {{\EmojiFont \csname emoji@#1\endcsname}}%
 {?}%
}
```

The macro `\emoji{<key>}` looks up a control sequence `\emoji@<key>` defined by the package and typesets it in the `\EmojiFont`. If an unknown key is requested, a simple `?` is shown as a fallback.

## 3 Semantic keys and subsets

Keys are organized by purpose. Examples:

- **Status and logs:** `status-ok1`, `status-error1`, `log-debug1`, `log-run1`.

- **GIS workflows:** `gis-select1`, `gis-buffer1`, `gis-snap1`.

- **Navigation and maps:** `map-right1`, `map-pin1`.

- **Emotions (`emo` subset):** `emo-joy1`, `emo-sad1`, `emo-angry1`, `emo-deadinside1`.

- **Flags:** `flag-de`, `flag-eu`, etc.

Using semantic keys keeps the LaTeX source readable and stable even if the underlying emoji choices change later.

# 4 Quick start

A minimal quick-start snippet:

```
\usepackage{superemoji}
Status: \emoji{status-ok1}
```

Rendered in this document, the same commands look like:

Status: ☑
Debug: 🐞 🔍   GIS Select: 🎯   Happy: 😊   Flag: DE.

# 5 Minimal example

The following minimal document shows how to load the package and use a few semantic emoji commands. Compile with LuaLaTeX or XeLaTeX.

```
\documentclass{article}
\usepackage{fontspec}      % for Unicode emoji
\usepackage{etoolbox}      % for \ifcsdef
\usepackage{superemoji}    % this package

\renewfontfamily\EmojiFont{Segoe UI Emoji}

\renewcommand{\emoji}[1]{%
 \ifcsdef{emoji@#1}%
 {{\EmojiFont \csname emoji@#1\endcsname}}%
 {?}%
}

\begin{document}

 Status: \emoji{status-ok1}

 Debug:  \emoji{log-debug1}
```

```
GIS:    \emoji{gis-select1}

Mood:   \emoji{emo-joy1}, \emoji{emo-sad1}, \emoji{emo-deadinside1}

\end{document}
```

When compiled, this produces:

Status: ☑

Debug: 🐞 🔍   GIS: 🎯

Mood: 😊, 😩, 😵