

# ultimate PlantUML Cheatsheet

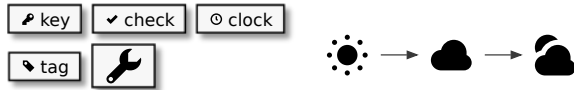
by [Andreas Offenhaeuser](#)

v.7aa070e1

## Icons

[Open Iconic](#) is supported out of the box. Any icon can be rendered by embedding into `<&..>`.

```
card "<&key> key"
card "<size:42><&wrench></size>"
```



Icons can be shown as icon only by disabling the border and background styles.

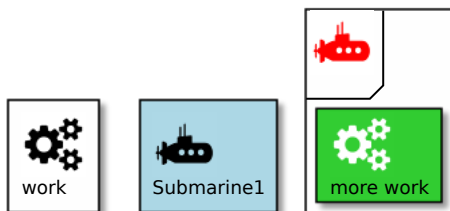
```
skinparam cardBorderColor none
skinparam cardBackgroundColor none
skinparam cardShadowing false
```

## Sprite Icons

Custom icons can be added via sprites. There is a collection of sprites for various icons included in the [standard library](#). Additional sets can be loaded from any URL reachable by the rendering server using `!includeurl`.

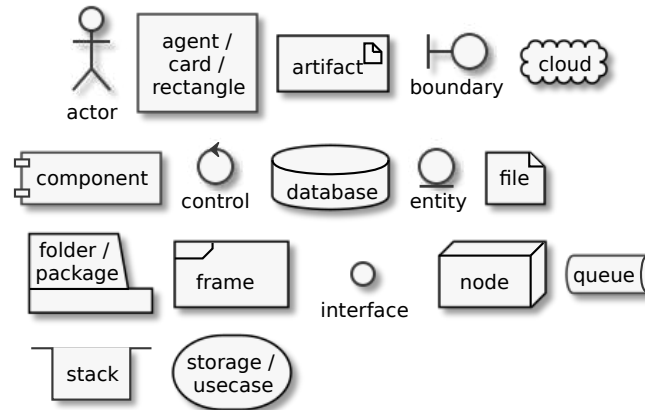
```
!include <font-awesome/common>
!include <font-awesome/cogs>
!define ICONURL https://raw.githubusercontent.com/
tupadr3/plantuml-icon-font-sprites/v2.0.0
!includeurl ICONURL/govicons/submarine.puml
```

```
FA_COGS(c1, work) #white
GOV_SUBMARINE(sub1, Submarine1) #lightblue
GOV_SUBMARINE(sub2, , frame, red) {
  FA_COGS(c2, more work, card, white)
  #limegreen
}
```



## Components

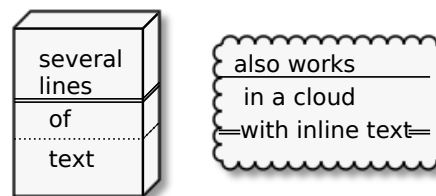
A list of plantUML components and their names, most can be used in any diagrams. The *sequence* diagram only supports a subset.



## Multiline Components

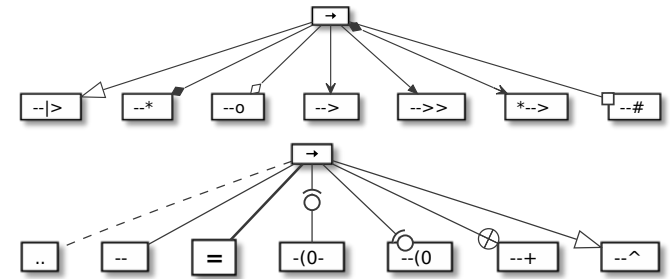
Text can be spread across multiple lines in components by declaring the text in `[ ]`.

```
node mynode [
  several
  lines
  ====
  of
  ....
  text
]
```



## Arrows

All combinations of two arrow heads and line type can be used to create any [UML arrow type](#).



## Skinparam Properties

For any *component* style properties can be set via

```
skinparam <Component><Property> <value>
```

Multiple properties for the same component can be grouped

```
skinparam node {
  BackgroundColor transparent
  BorderColor black
}
```

Component properties:

*BackgroundColor*, *BorderColor*, *BorderThickness*, *FontColor*, *FontName*, *FontSize*, *FontStyle*

Generic properties:

*ArrowColor*, *ArrowLollipopColor*, *ArrowThickness*, *BackgroundColor*, *DefaultTextAlignment* (*[left]*, *center*, *right*), *Handwritten* [*false*], *HyperlinkColor*, *HyperlinkUnderline*, *Monochrome* [*false*], *Nodesep* (*horizontal margin [0]*), *Padding* (*text padding within node [0]*), *Ranksep* (*vertical margin [0]*), *RoundCorner*, *Shadowing*

The full list of [skinparam settings](#) and [available colors](#) can be found on the [plantUML website](#).