The \texttt{ditaa} package

Hiroshi Ukai

2018/10/18

The \LaTeX \texttt{ditaa} package renders your ascii art inside your \LaTeX files into pretty image files which you can use them in your papers.

\textbf{Usage:}
To \texttt{usepackage \texttt{ditaa}}, typically do following.

\begin{verbatim}
def\imagepath{./resources}
usepackage[\imagepath]{ditaa}
graphicspath{ {{\imagepath/} }}
\end{verbatim}

A vaiable \texttt{\imagepath} points a directory that your images reside. Under it, you need to create a directory \texttt{ditaa} in advance. In this directory, \texttt{ditaa} environment creates its working files.

\textbf{Features:}
This is a ditaa diagram example.

\begin{verbatim}
\begin{ditaa}[8cm]{ditaa caption example}{ditaaexample}
  +--------+ +-------+ +-------+
  |       | --- ditaa --- |       |
  | Text | +-------+ |diagram|
  |Document| |!magic!! | |
  | {d}| | | |
  +-----+----+ +-------+ +-------+

  ^
  | Lots of work |
  +-------------------------+
\end{ditaa}
\end{verbatim}

The fragment above will be rendered into following diagram.
And you can specify image width like this Figure.2.

\begin{ditaa}[6cm]{ditaa caption example2}{ditaaexample2}
+---------+
| cBLU    |
|         |
| +------+
| | cPNK |
| |      |
+----------+
\end{ditaa}

To denote your diagram, you can do

Figure\ref{fig:ditaaexample2}

, where \texttt{ditaaexample2} is the second argument you gave to the \texttt{ditaa} environment as you see above. The prefix \texttt{fig:} is given by \texttt{ditaa} environment automatically.

Figure 2: ditaa caption example2

Enjoy!

\textbf{ChangeLog:}
0.9 – Preparation for first \texttt{ditaa} release.