

# File System Structure

## Description

A tree file system graphical structure is generated, drawn as a tikz image. The trees tikz library is used to build the structure.

## Sources

<http://tex.stackexchange.com/questions/306415/connecting-tree-nodes-with-double-arrows-a-la-chef?newsletter=1&nlcode=544695%7c921f>

## Used Packages

tikz

## Preamble

```
\documentclass[class=article, crop=false]{standalone}

\usepackage{tikz}
\usetikzlibrary{trees,decorations.markings}
```

## Example Code

```
\tikzstyle{every node}=[draw=black,thick,anchor=west]
\tikzstyle{selected}=[draw=red,fill=red!30]
\tikzstyle{optional}=[dashed,fill=gray!50]

\newcommand{\arrowcolor}{red}
\newcommand{\arrowfillcolor}{white}

\pgfdeclarelayer{front}
\pgfsetlayers{main,front}

\makeatletter
\pgfkeys{%
/tikz/path on layer/.code={
\def\tikz@path@do@at@end{\endpgfonlayer\endgroup\tikz@path@do@at@end}%
\pgfonlayer{#1}\begingroup%
}%
}
\makeatother

\begin{tikzpicture}[%
rightarr/.pic={\path[pic actions] (-0.4,0)--(-1,-0.35)--(-1,.35)--cycle;},
grow via three points={one child at (0.5,-0.7) and
two children at (0.5,-0.7) and (0.5,-1.4)},
edge from parent path={(\tikzparentnode.south) |- (\tikzchildnode.west)},
edge from parent/.style={
decoration={
markings,
```

```

mark=at position 1 with{\coordinate (0, 0) pic[\arrowcolor,fill=\arrowfillcolor,scale=0.22]{
    rightarr}};},
},
draw = \arrowcolor,
line width = 3pt,
shorten >= 5.7pt,
shorten <= 2pt,
postaction = {decorate},
postaction = {draw,line width=1.4pt,white,path on layer=front},
}]
\node {texmf}
child { node {doc}}
child { node {fonts}}
child { node {source}}
child { node [selected] {tex}
child { node {generic}}
child { node [optional] {latex}}
child { node {plain}}
}
child [missing] {}
child [missing] {}
child [missing] {}
child { node {texdoc}};
\end{tikzpicture}

```

## Example Result

