

Schematic Layouts with PageLayout Layout Manager API (<http://pagelayout.sourceforge.net/docs/pagelayout/EasyCell.html>)

A grid is needed only when a component needs to be aligned with other components along both axes, as in the second case below.

C1	C2	C3
C4		

```
column(row(c1,c2,c3),  
       c4)
```

C1	C2	C3
C4		

```
grid(c1,c2,c3, eol(),  
     c4)
```

Nested grids, columns and rows (with appropriate alignments) are the only objects that need be constructed even for the more complex layouts.

Grid Based Layout

```
grid(c1,      span(), span(), span(), eol(),
     c2,      c3,      c4,      c5,      eol(),
     vspan(), c6,      c7,      vspan(), eol(),
     vspan(), c8,      span(), vspan())
```

C1			
C2	C3	C4	C5
	C6	C7	
	C8		

Nested Cells Based Layout

```
column(c1,
       row(c2,
            column(grid(c3,c4,eol(),
                        c6,c7),
                  c8),
            c5))
```

Grid Based Layout

C1			C5
C2	C3	C4	
	C6	C7	
	C8		

```
grid(c1,      span(), span(), c5      , eol(),
     c2,      c3,      c4,      vspan(), eol(),
     vspan(), c6,      c7,      vspan(), eol(),
     vspan(), c8,      span(), vspan())
```

Nested Cells Based Layout

```
row(column(c1,
            row(c2,
                column(grid(c3,c4,eol(),
                           c6,c7),
                           c8))),
     c5)
```

It is not necessary that a grid be the top level object in a layout.

Grid Based Layout

```
grid(c1,      span(),      span(), span(), eol(),
     c2,      c3,          c4,   c5,      eol(),
     vspan(), row(c6,c7), span(), vspan(), eol(),
     vspan(), c8,          span(), vspan())
```

C1			
C2	C3	C4	C5
	C6	C7	
	C8		

Nested Cells Based Layout

```
column(c1,
      row(c2,
        column(row(c3,c4),
          row(c6,c7),
            c8),
          c5))
```

In many cases it's not even necessary to use grids for the layout.