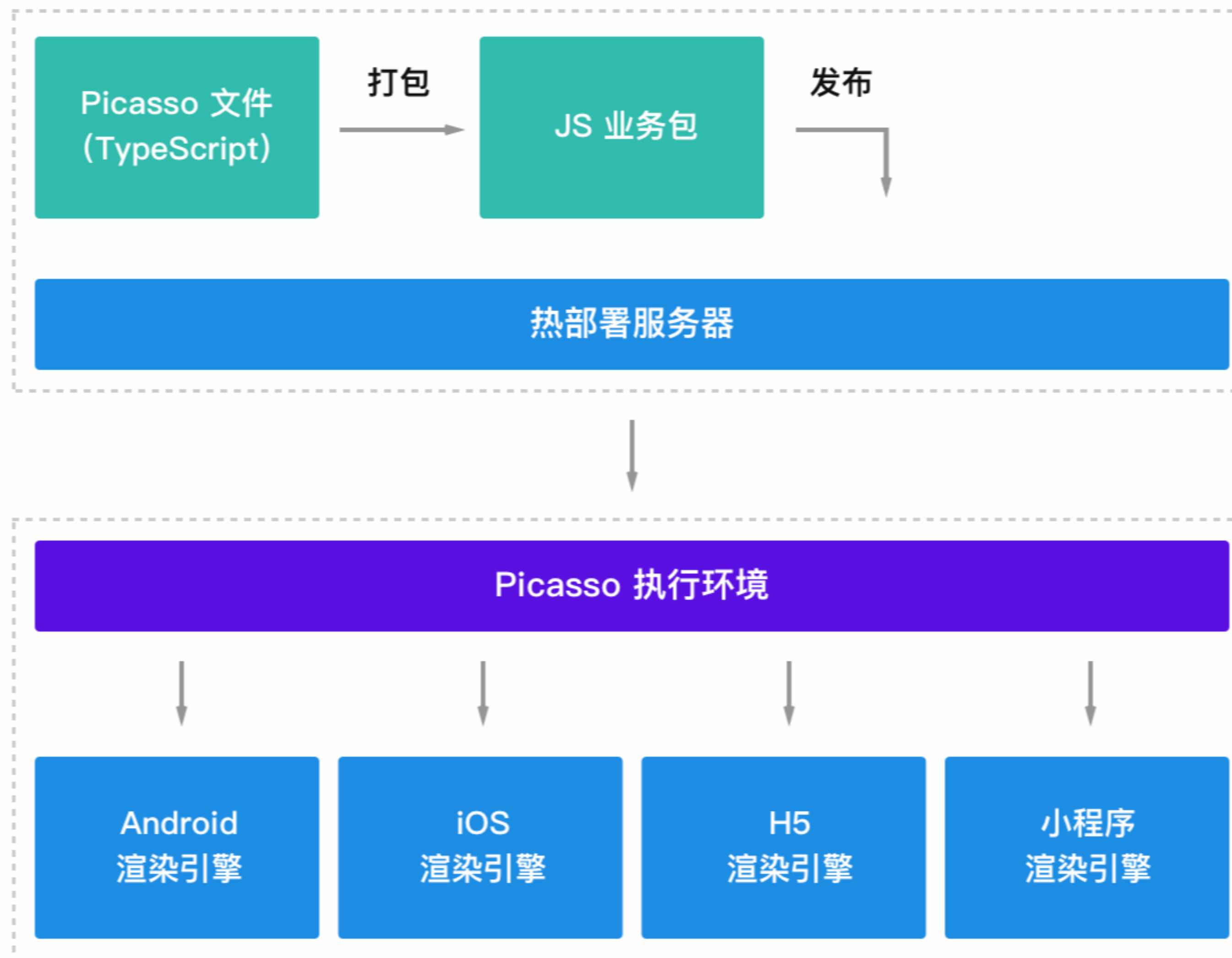




Picasso — 高性能跨平台动态化框架

美团点评 周鹏飞

Picasso应用架构



Picasso运行机制

Picasso 源码

```
import { VC, View, TextView } from "@dp/picasso"
import { toast } from '@dp/picasso-bridges';

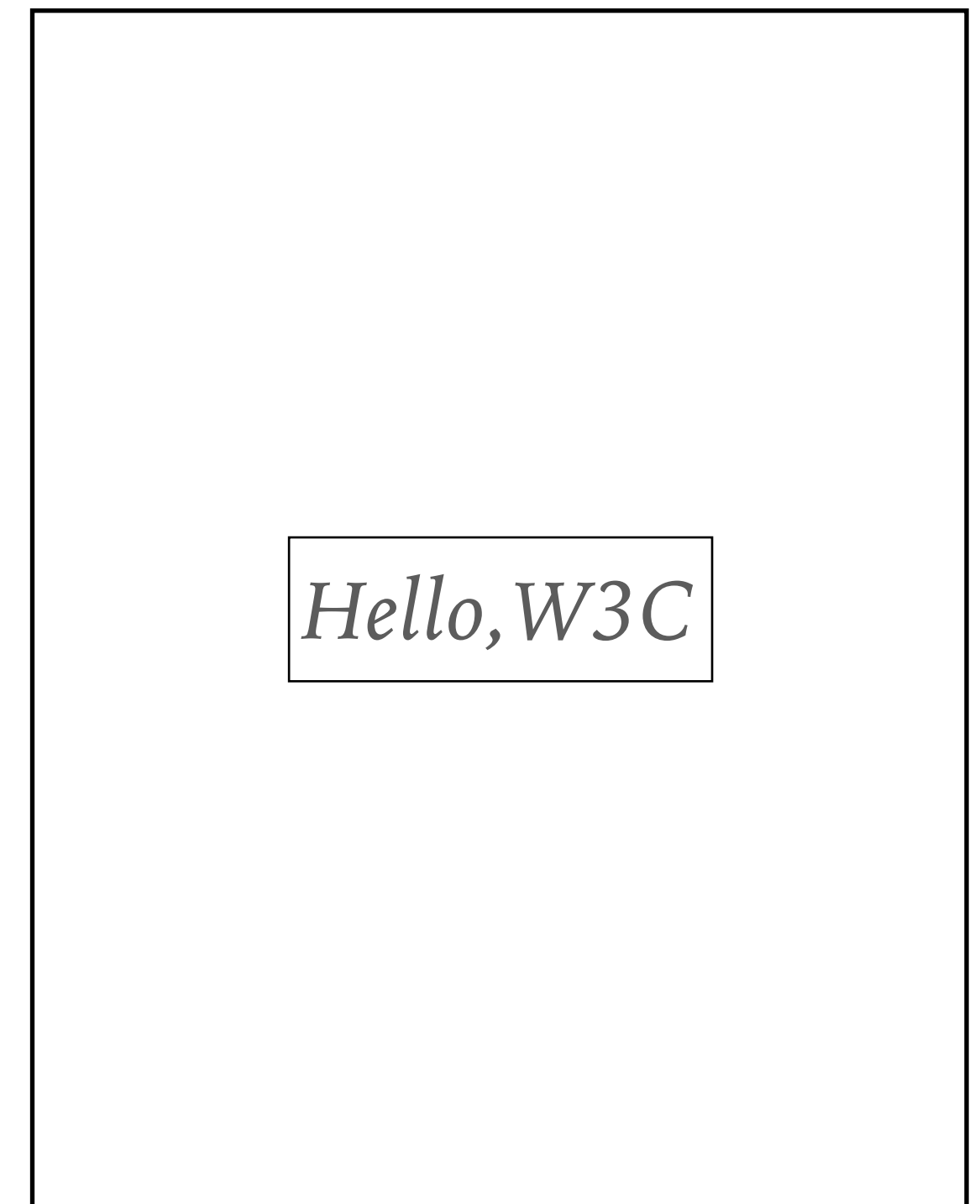
class DemoVC extends VC {
  layout() {
    const bgView =
      View.viewWithSize(this.width, this.height)
      bgView.backgroundColor = "#ffffff"
      const textView = new TextView
      textView.text = 'Hello,W3C'
      textView.sizeToFit()
      textView.onClick = () => {
        toast('点击')
      }
      textView.center = bgView.center
      bgView.addSubView(textView)
      return bgView
  }
}

Picasso.Page(DemoVC)
```

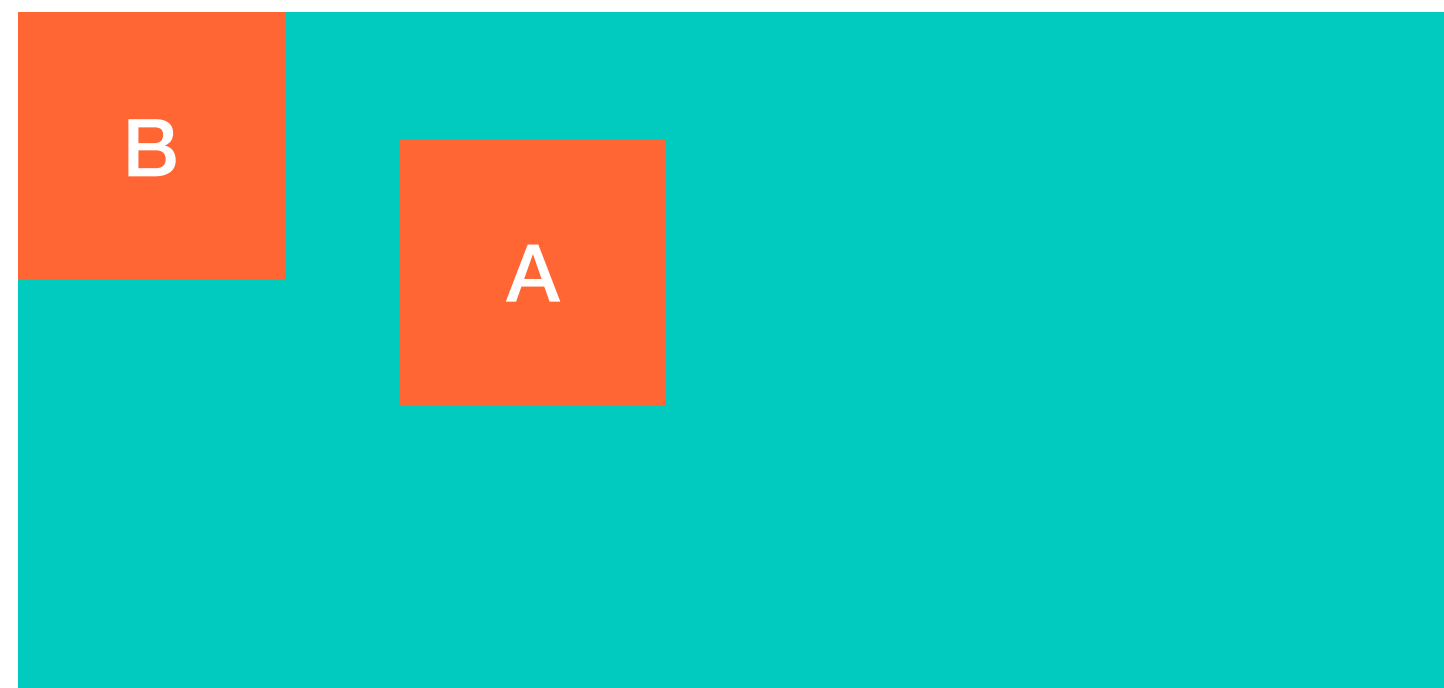
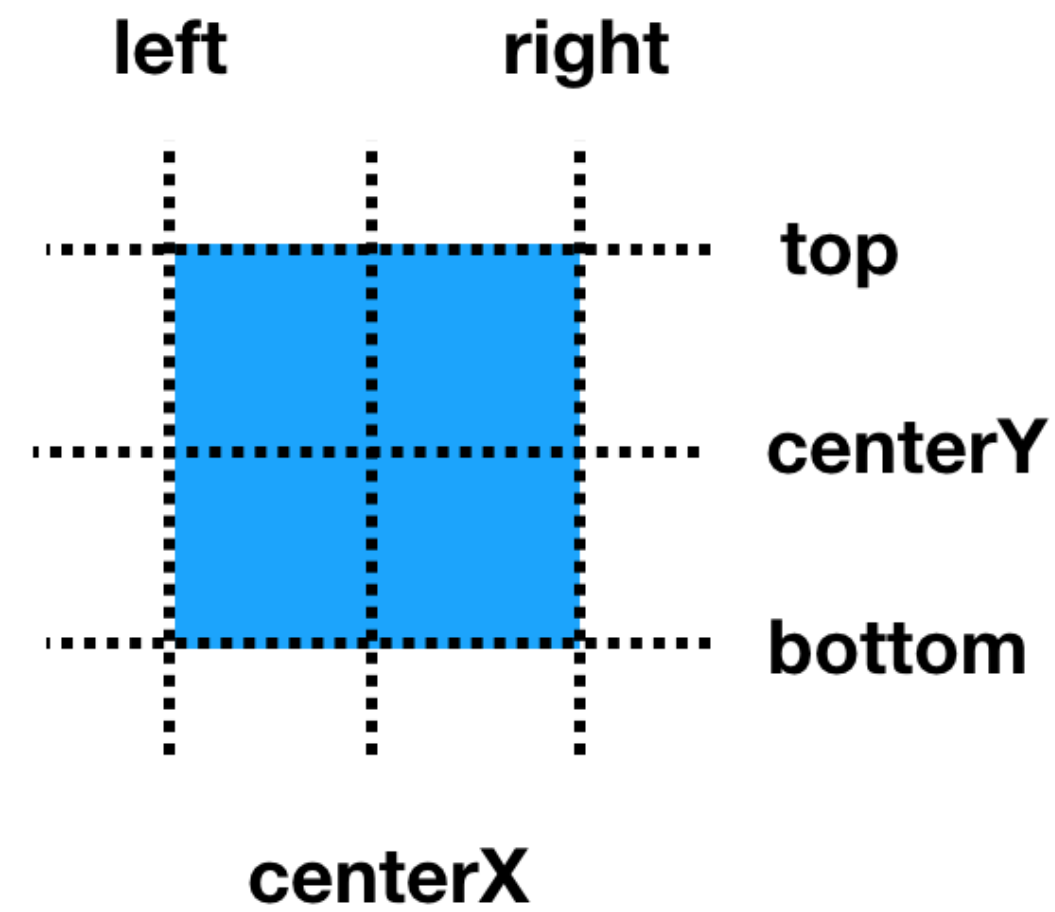
PModel

```
{
  "type": 0,
  "x": 0,
  "y": 0,
  "width": 360,
  "height": 624,
  "backgroundColor": "#ffffff",
  "subviews": [
    {
      "type": 1,
      "x": 180,
      "y": 312,
      "width": 0,
      "height": 0,
      "actions": [
        "click"
      ]
    }
  ]
}
```

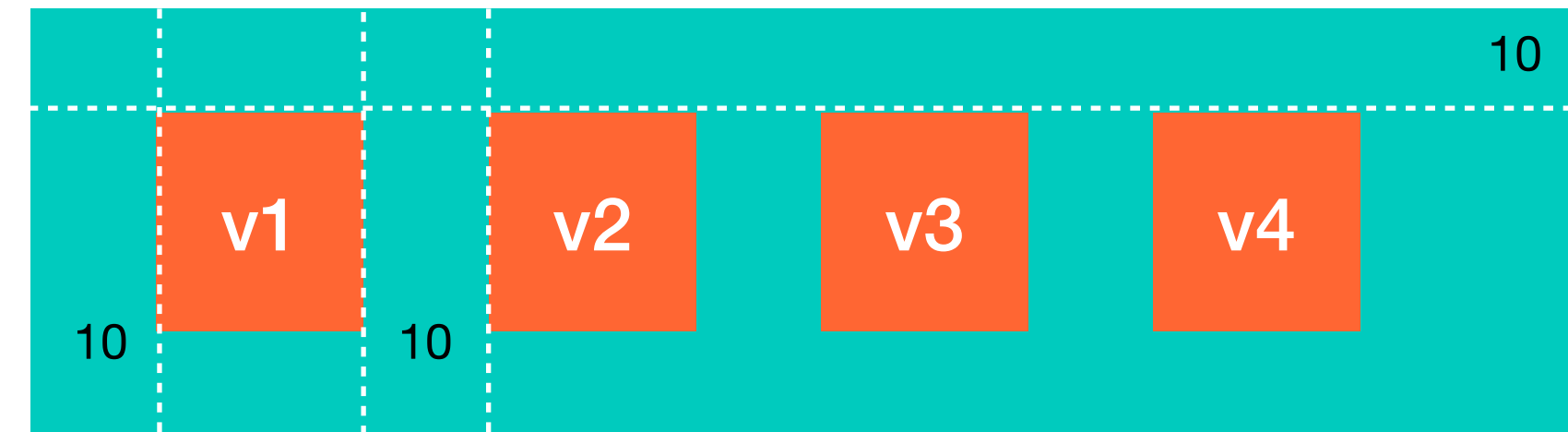
渲染视图



锚点布局与布局函数



```
viewB.top = viewA.top  
viewB.left = viewA.right + 10
```

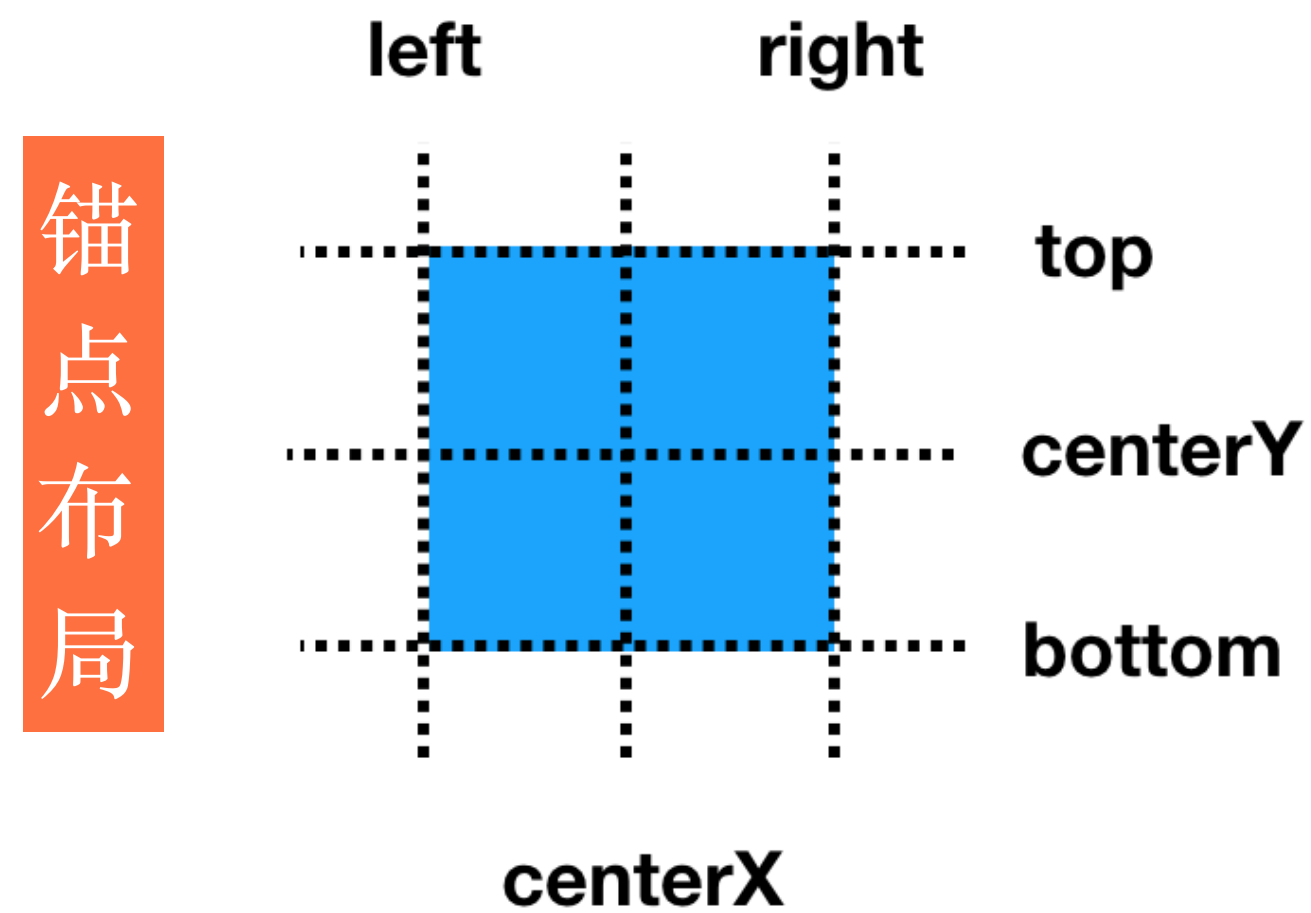


```
hlayout([v1, v2, v3, v4],  
        { top: 10, left: 10, divideSpace: 10})
```

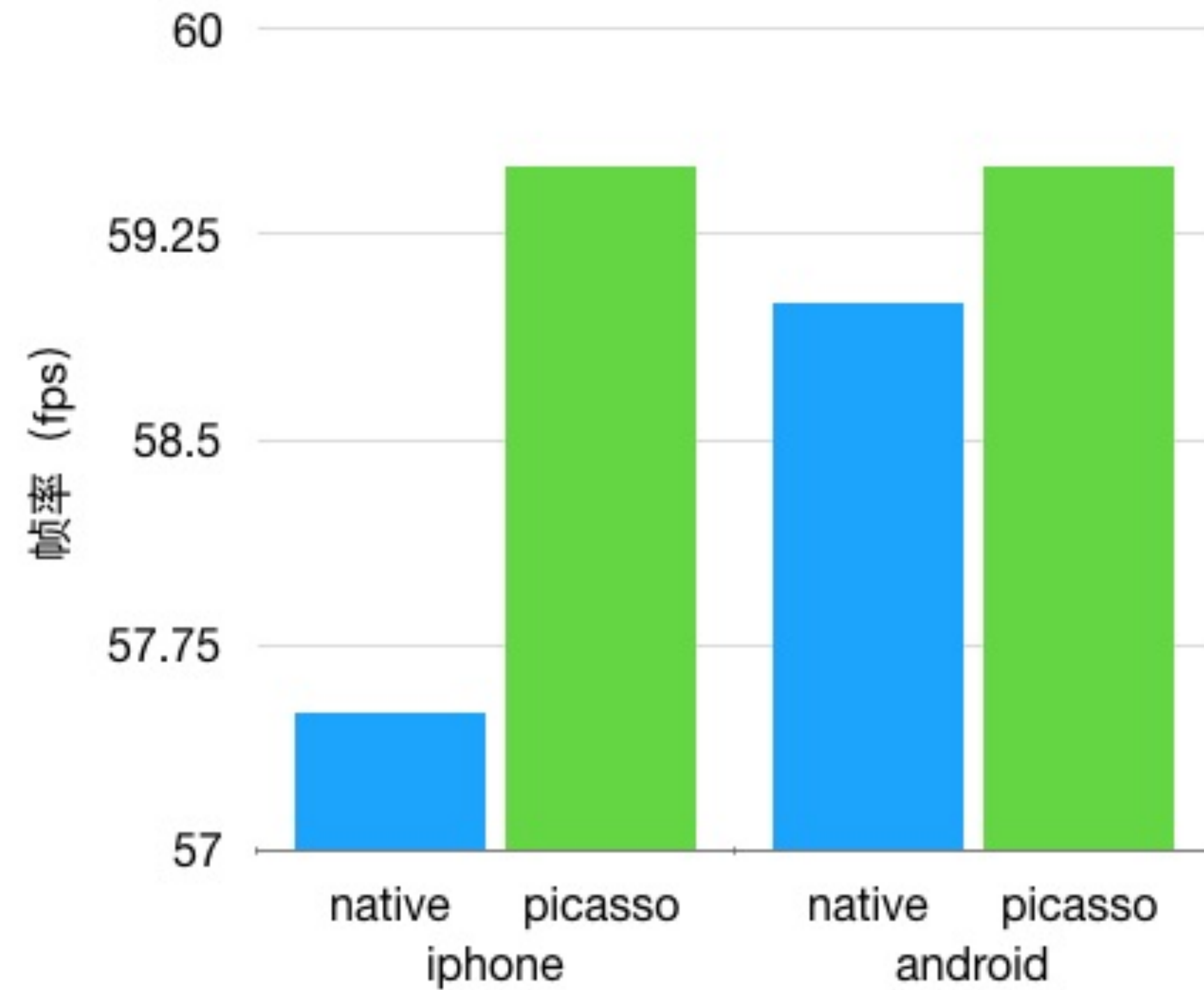
vlayout

flayout

高性能渲染



- 布局表达与布局计算同时发生
- 扁平的视图层级
- 预计算 — 准备渲染数据PModel



多端支持



多端支持



iOS



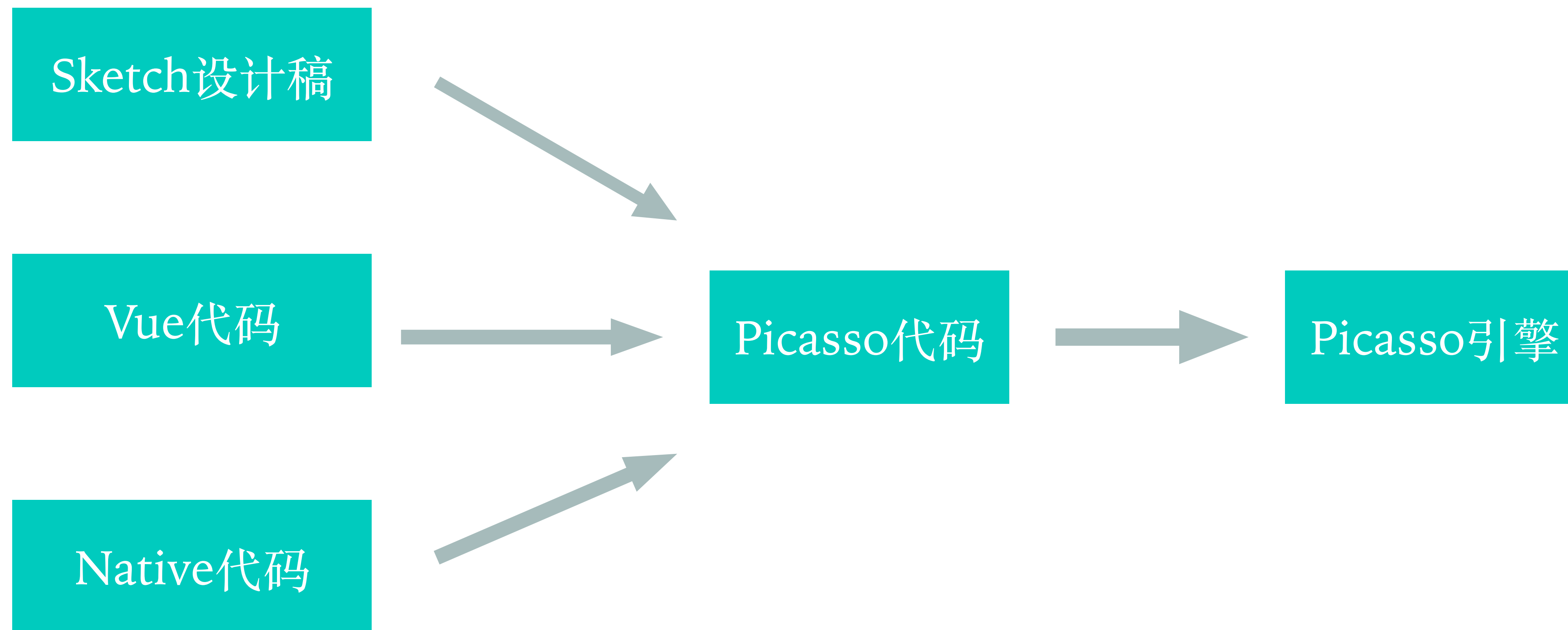
Android



H5



小程序



代码自动生成



美团点评应用现状



- 业务开发全面Picasso
- 全路径应用Picasso

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Thanks