

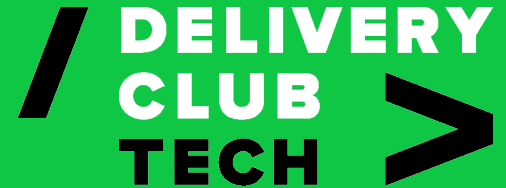


**DELIVERY
CLUB
TECH**

MAKE WIDGET GREAT AGAIN

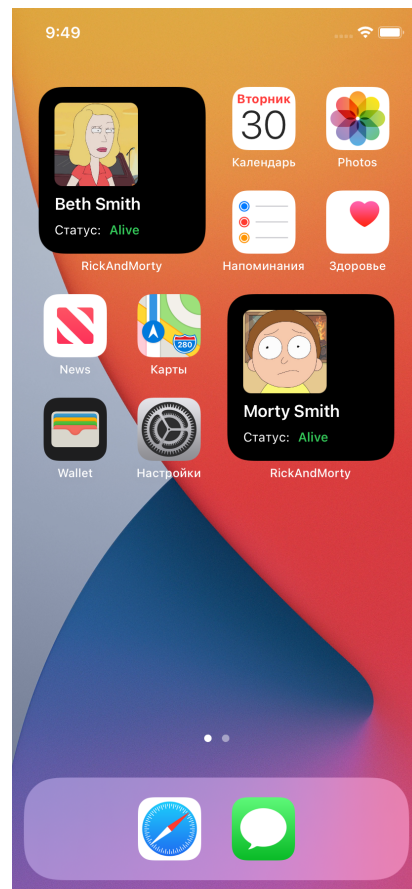


Верестников Александр

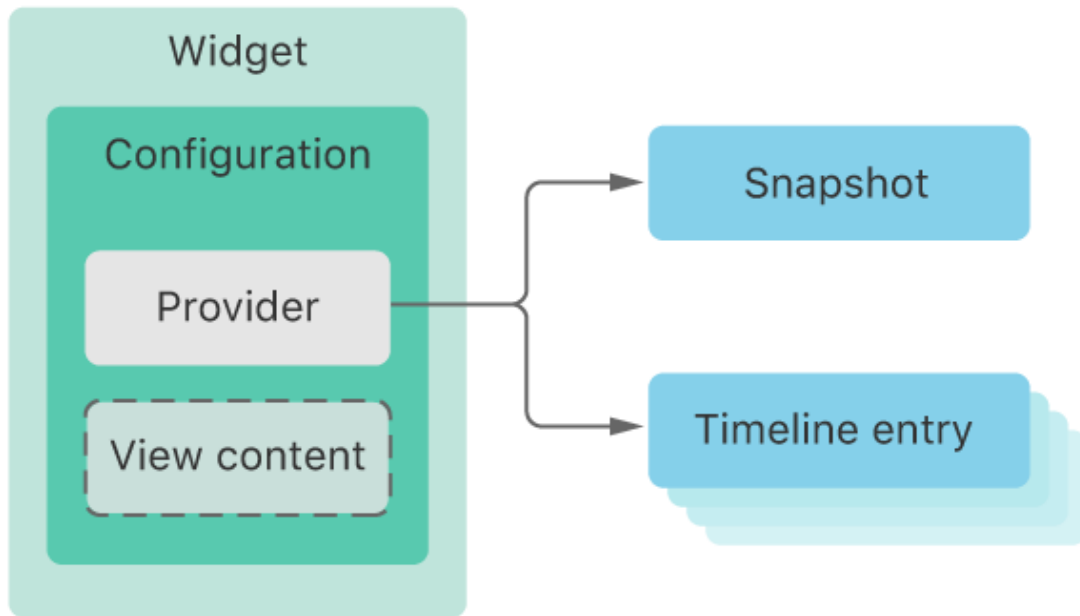


Что по плану?

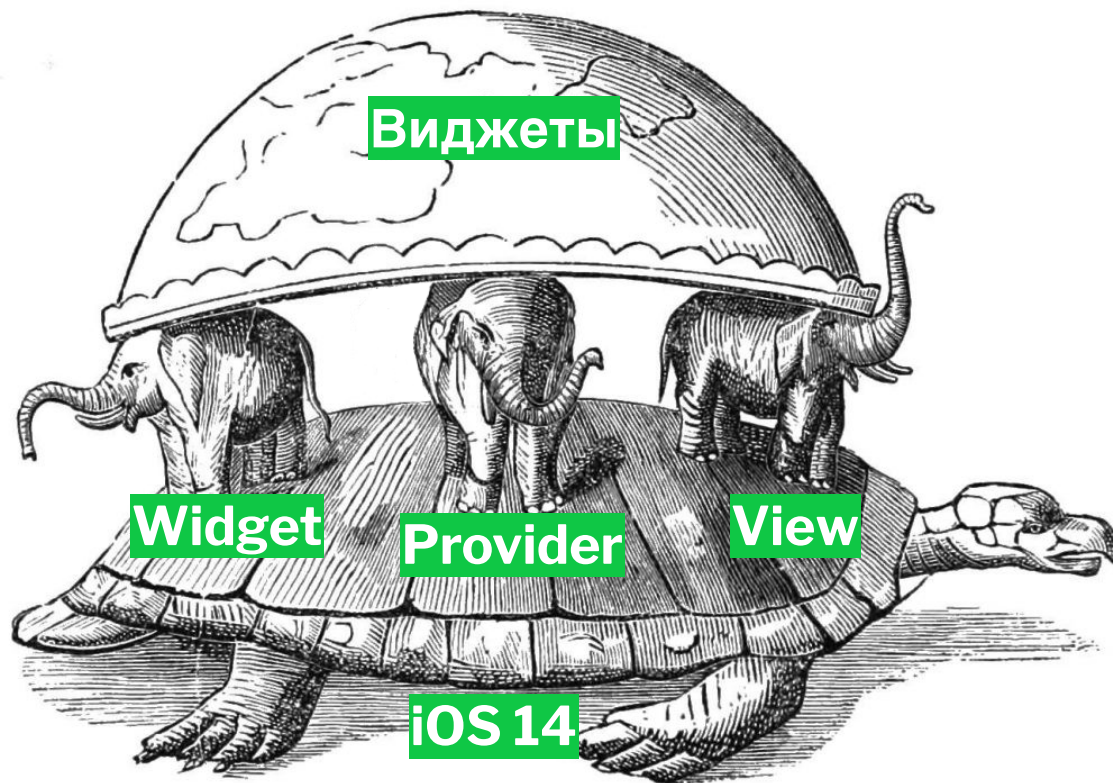
1. Немного теории
2. Статический виджет
3. Конфигурируемый виджет
4. Итоги



Что такое виджет?

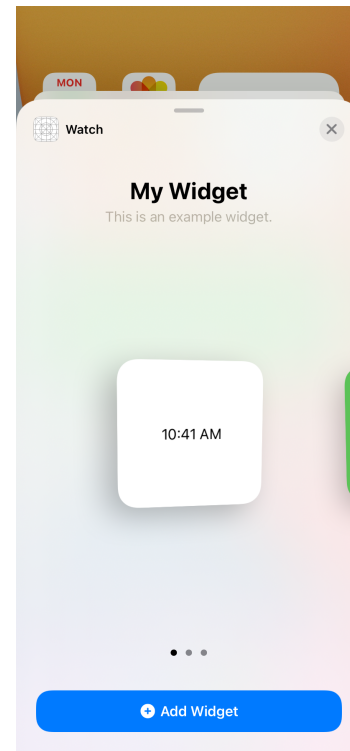


Три слона



Widget

```
49
50 @main
51 struct TimeWidget: Widget {
52     let kind: String = "WatchWidget"
53
54     var body: some WidgetConfiguration {
55         StaticConfiguration(kind: kind, provider: WatchProvider()) { entry in
56             WatchWidgetEntryView(entry: entry)
57         }
58         .configurationDisplayName("My Widget")
59         .description("This is an example widget.")
60         .supportedFamilies([.systemSmall, .systemMedium, .systemLarge])
61     }
62 }
63
```

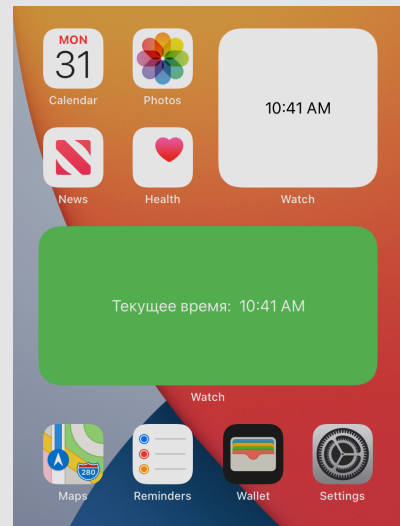


Provider

```
12
13 struct WatchProvider: TimelineProvider {
14     func placeholder(in context: Context) -> WatchEntry {
15         WatchEntry(date: Date())
16     }
17
18     func getSnapshot(in context: Context, completion: @escaping (WatchEntry) -> ()) {
19         let entry = WatchEntry(date: Date())
20         completion(entry)
21     }
22
23     func getTimeline(in context: Context, completion: @escaping (Timeline<Entry>) -> ()) {
24         var entries: [WatchEntry] = []
25
26         let currentDate = Date()
27         for minuteOffset in 0 ..< 60 {
28             let entryDate = Calendar.current.date(byAdding: .minute, value: minuteOffset, to: currentDate)!
29             let entry = WatchEntry(date: entryDate)
30             entries.append(entry)
31         }
32
33         let timeline = Timeline(entries: entries, policy: .atEnd)
34         completion(timeline)
35     }
36 }
37
38 struct WatchEntry: TimelineEntry {
39     let date: Date
40 }
41
```

View

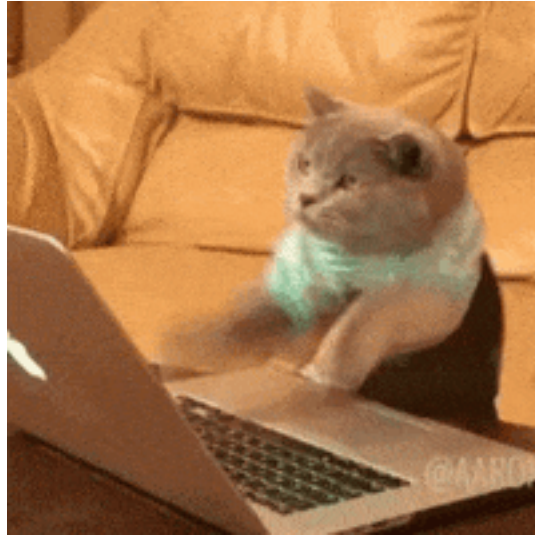
```
41
42 struct WatchWidgetEntryView : View {
43
44     @Environment(\.widgetFamily) var widgetFamily
45     var entry: WatchProvider.Entry
46
47     var body: some View {
48         if widgetFamily == .systemSmall {
49             Text(entry.date, style: .time)
50         } else {
51             HStack(spacing: 8) {
52                 Text("Текущее время:")
53                 Text(entry.date, style: .time)
54             }.foregroundColor(.white)
55             .frame(maxWidth: .infinity, maxHeight: .infinity)
56             .background(Color(.sRGB, red: 91/255, green: 194/255, blue: 87/255, opacity: 1))
57         }
58     }
59 }
60
```



Несколько виджетов

```
14
15 @main
16 struct WatchWidgetsBundle: WidgetBundle {
17     @WidgetBundleBuilder
18     var body: some Widget {
19         WatchWidget()
20         SecondWatchWidget()
21     }
22 }
23
```

На словах ты Лев Толстой



Рассуждения

- Прогнозируемые события
- Редко обновляемые данные
- Новая точка входа



Спасибо за внимание



 [VerestnikovDev/RickAndMorty](https://github.com/VerestnikovDev/RickAndMorty)

