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What is the @AppStorage property wrapper?

Paul Hudson @twostraws 19 hours ago

Updated for Xcode 13.2

New in iOS 14

SwiftUI has a dedicated property wrapper for reading values from **UserDefaults**, which will automatically reinvoke your view's body property when the value changes. That is, this wrapper effectively watches a key in **UserDefaults**, and will refresh your UI if that key changes.

For example, this will watch **UserDefaults** for a "username" key, which will be set when the button is pressed:

```
struct ContentView: View {
    @AppStorage("username") var username: String = "Anonymous"

    var body: some View {
        VStack {
            Text("Welcome, \(username)!")

            Button("Log in") {
                username = "@twostraws"
            }
        }
    }
}
```


Changing **username** above will cause the new string to be written to **UserDefaults** immediately, while also updating the view. The same would be true if we had used the older method:

```
UserDefaults.standard.set("@twostraws", forKey: "username")`
```

@AppStorage will watch **UserDefaults.standard** by default, but you can also make it watch a particular app group if you prefer, like this:

```
@AppStorage("username", store: UserDefaults(suiteName: "group.com.hackingw
```

Important: **@AppStorage** writes your data to **UserDefaults**, which is *not* secure storage. As a result, you should not save any personal data using **@AppStorage**, because it's relatively easy to extract.

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