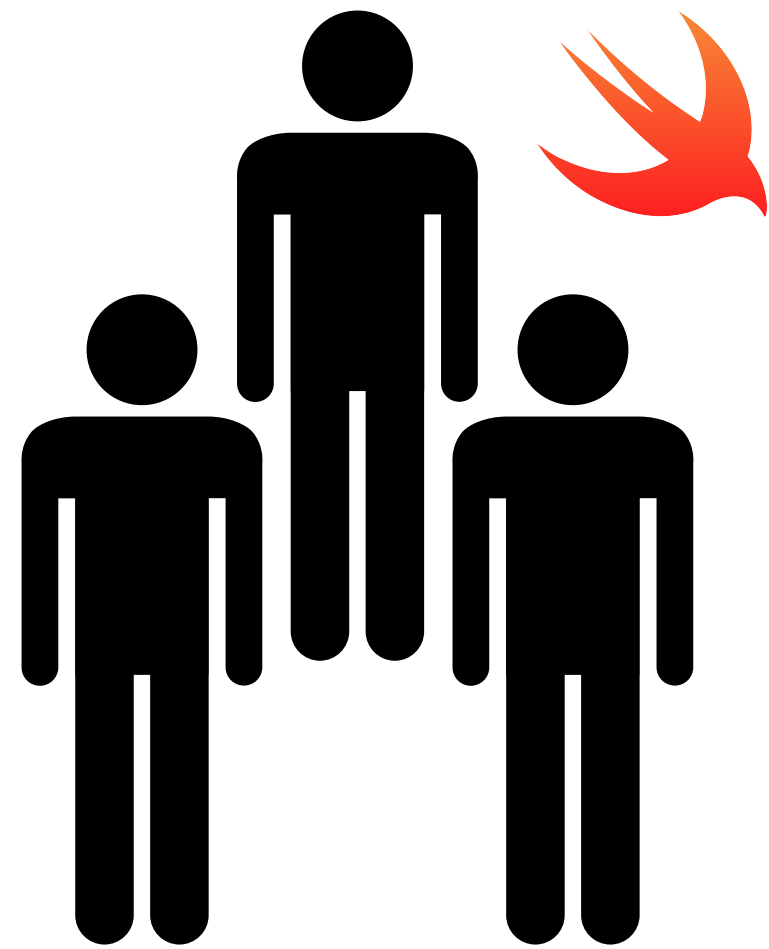


Server-Side Swift Services for Small Startup Success



Daniel Kennett

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GO

RAILS

php

Cascable Developer Portal

Welcome to the Cascable Developer Portal! Using the Developer Portal, you can update your profile, download your CascableCore licenses, and request a new license.

- Profile
- Licenses**
- Request Evaluation License

Your CascableCore Licenses

CascableCore License

Licensed for Bundle IDs: se.cascable.client

Expires	Version	Updated	
2023-12-31	>= 4.3	2022-12-31	Download Edit

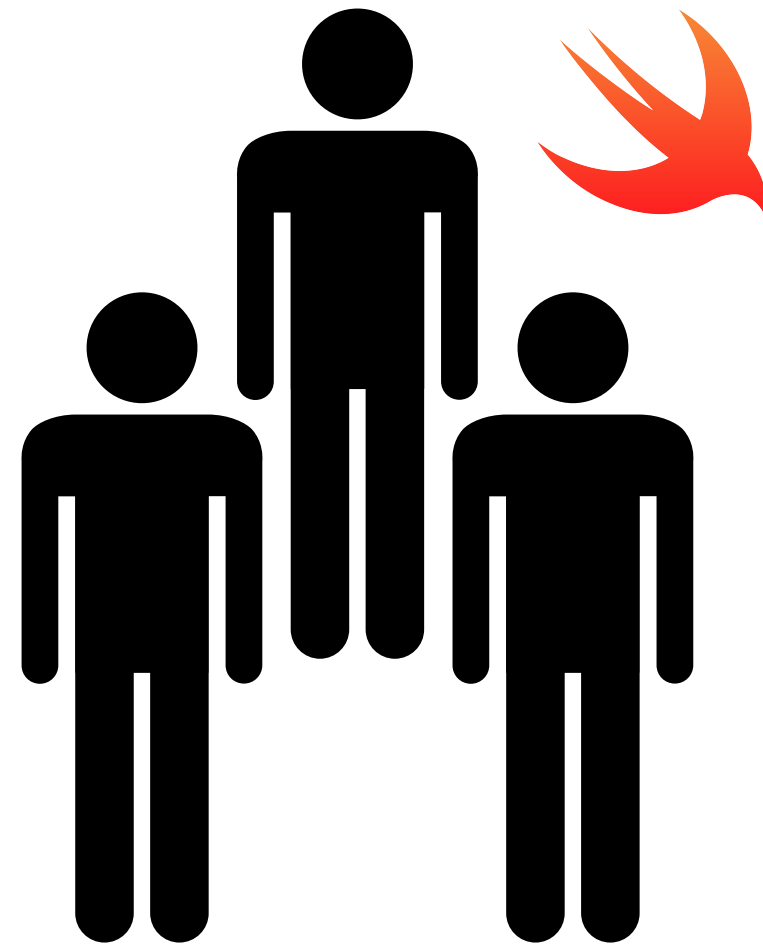
[Add Licence](#)



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Photo Scout

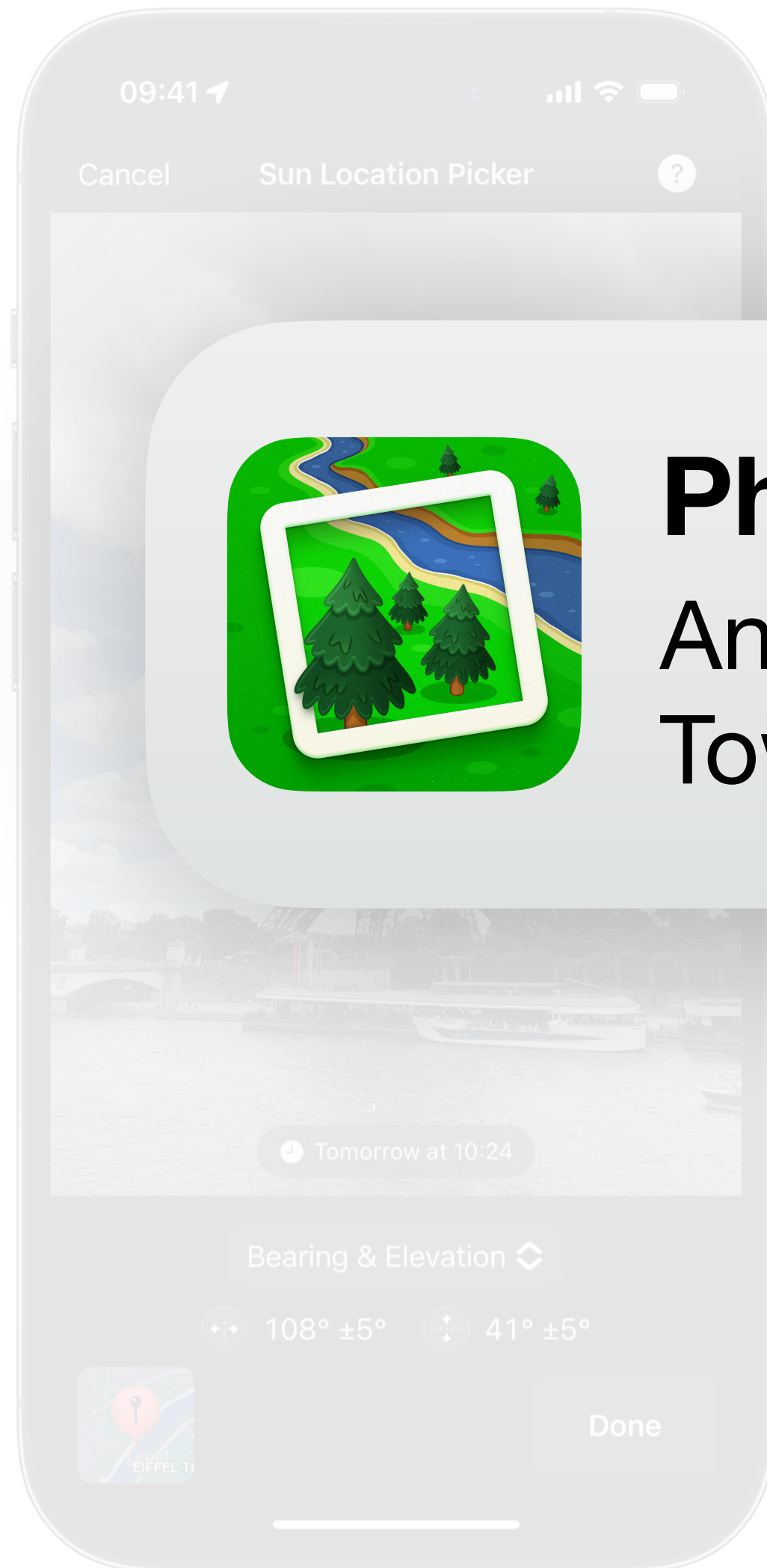


Photo Scout



Photo Scout

An opportunity for “Tip of the Eiffel Tower” is coming up today at 10:24.



Code Sharing

Swift, but like... somewhere else








Vapor

```
import Vapor
let app = try Application(.detect())
defer { app.shutdown() }

app.get("hello") { req in
    return "Hello, world."
}

try app.run()
```

Swift on Linux

- Swift Standard Library 
- Foundation 
 - URLSession is split out to FoundationNetworking
- Vapor has lots of additions for doing “web server stuff” 
- Not much else in the way of Apple frameworks
 - Core Data 
 - Core Graphics 
 - (etc)

Your Code

Swift

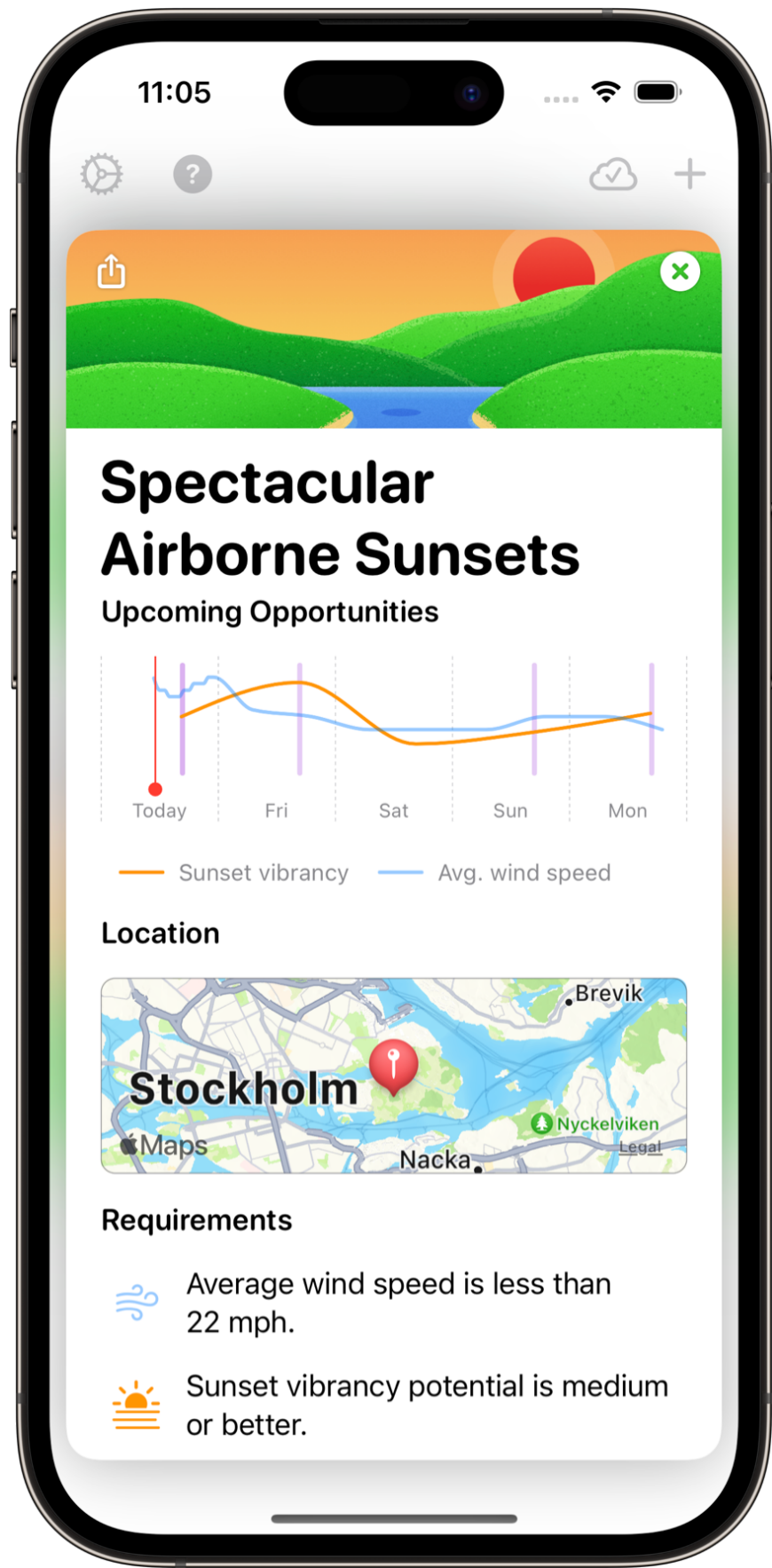
Foundation

Foundation

 OSes

Linux

**There is no such thing as
“write once, run anywhere”**



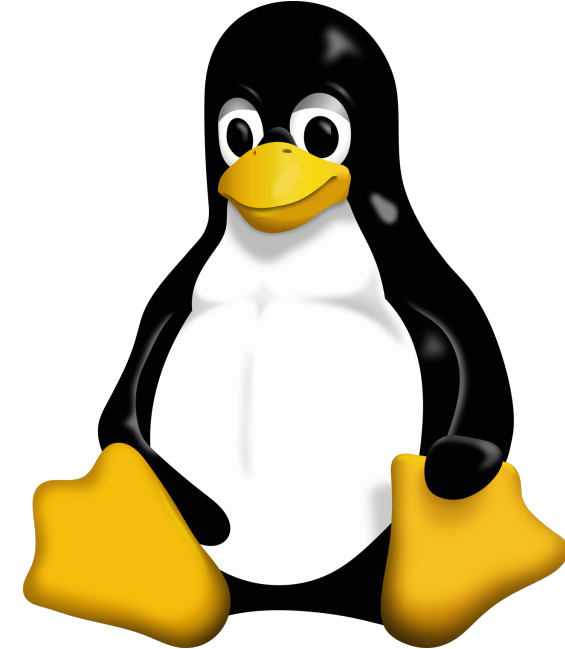
RAM Cache

Redis Cache

Photo Scout Engine

URLSession

HTTPClient



Swift on Linux Whistle-Stop Tour

**Remote debugging
can be a pain**

**Swift OSS community
tends to ignore Linux**

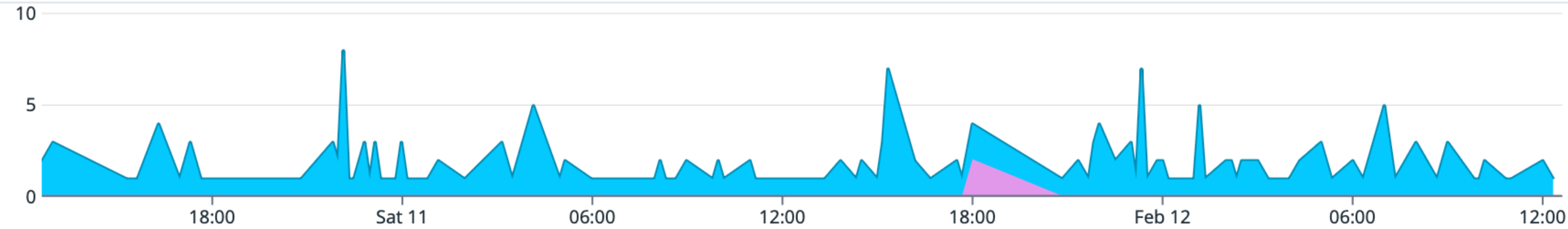
**SwiftNIO is a strong,
Apple-backed foundation**

**Vapor has an active community,
getting “stuck in” is easy**

**Apple bias due to Swift
means everything you want
for an iOS app already has
an official package**



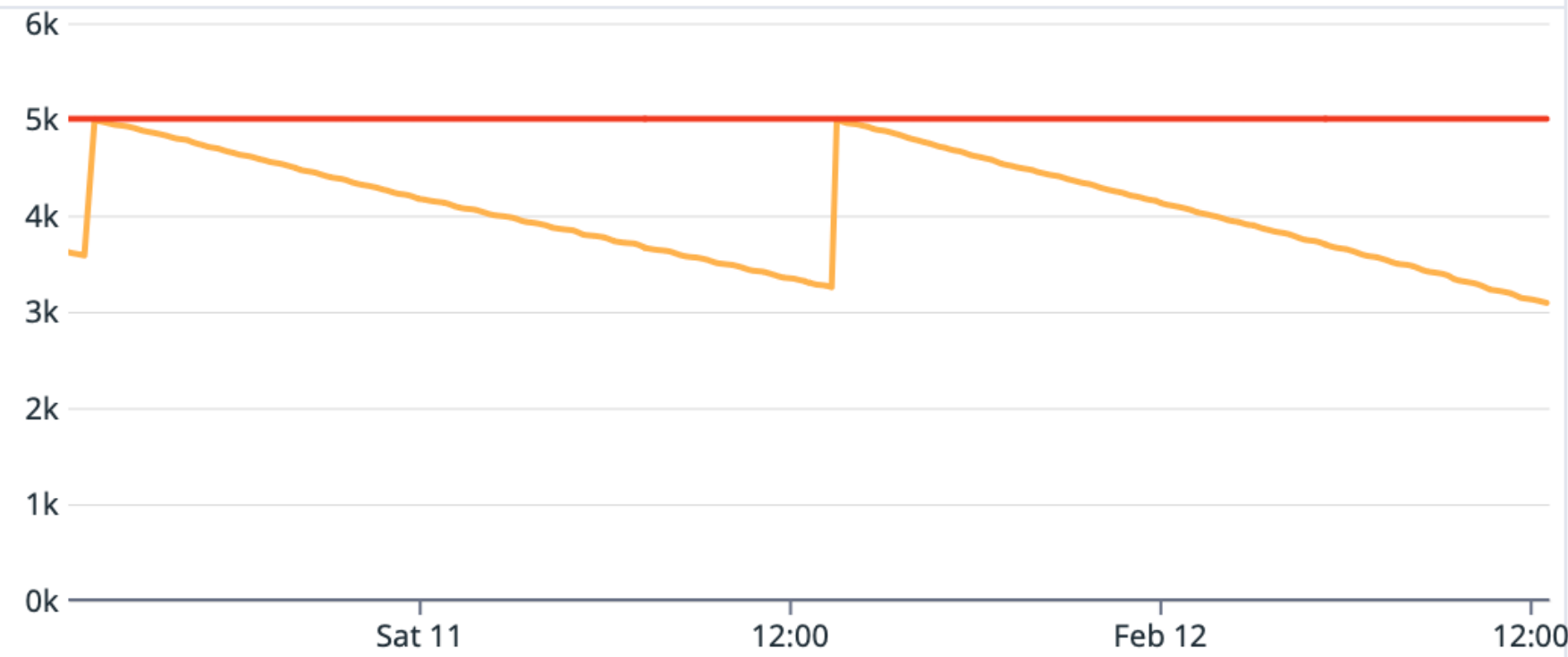
Push Notifications



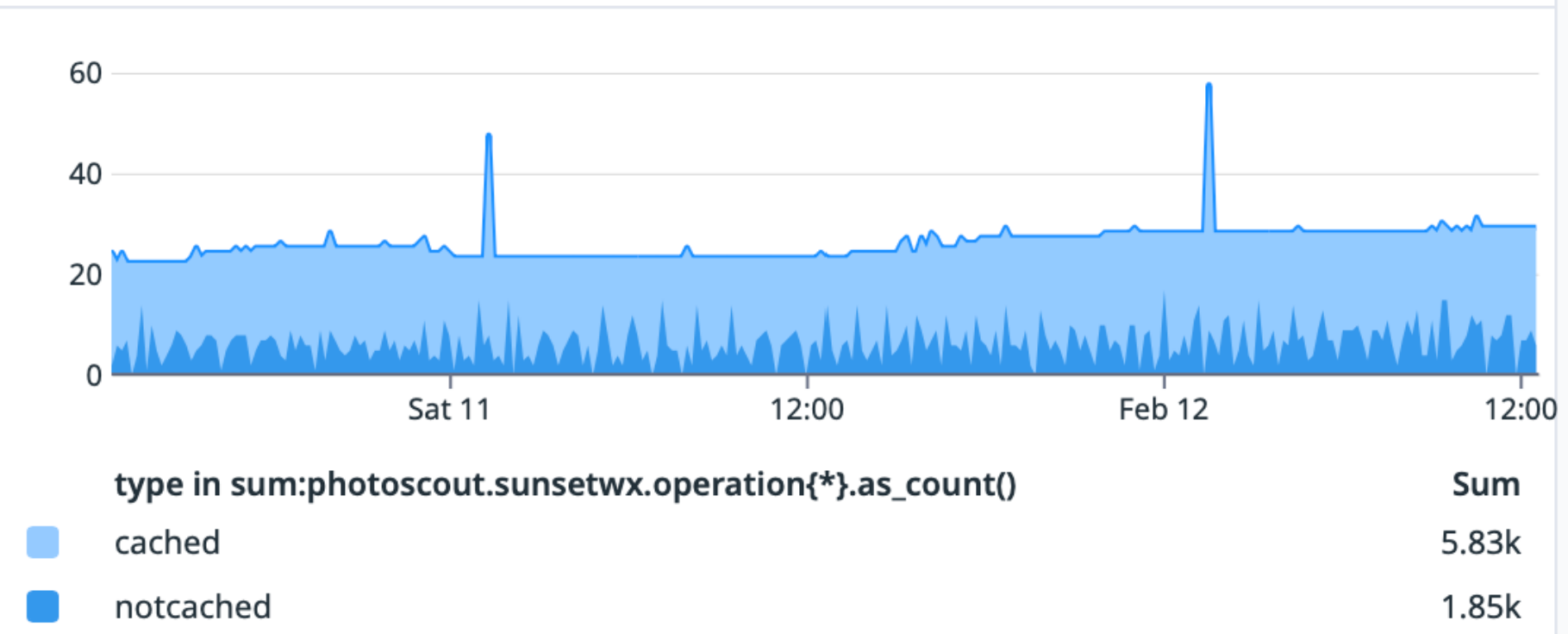
Account Count



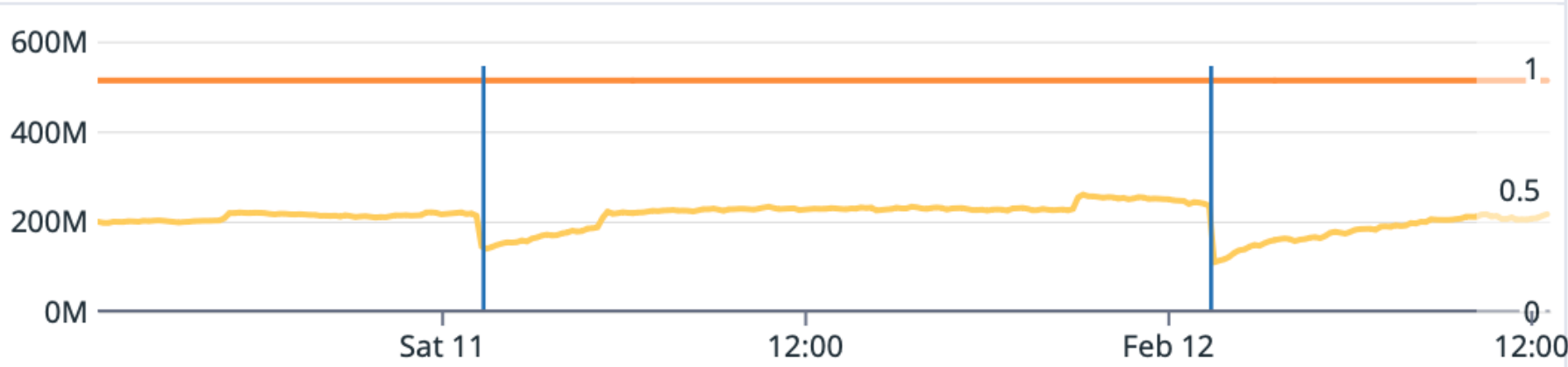
SunsetWX API Usage



SunsetWX Cache Hits



Heroku Web Dyno Memory Usage



host	Metric	Avg	Min	Max
photo-scout-service-production...	Used	210M	111.2M	262M
photo-scout-service-production...	Allowed	512M	512.0M	512M
photo-scout-service-production...	Restarts	1	1	1

AccuWeather Cache Hits



type	Sum
cached	10.14k
notcached	9.19k

- Go to...
- Watchdog
- Events
- Dashboards
- Infrastructure
- Monitors
- Metrics
- Integrations
- APM
- CI
- Notebooks
- Logs
- Security
- UX Monitoring
- Contact Support
- Help
- Invite Users

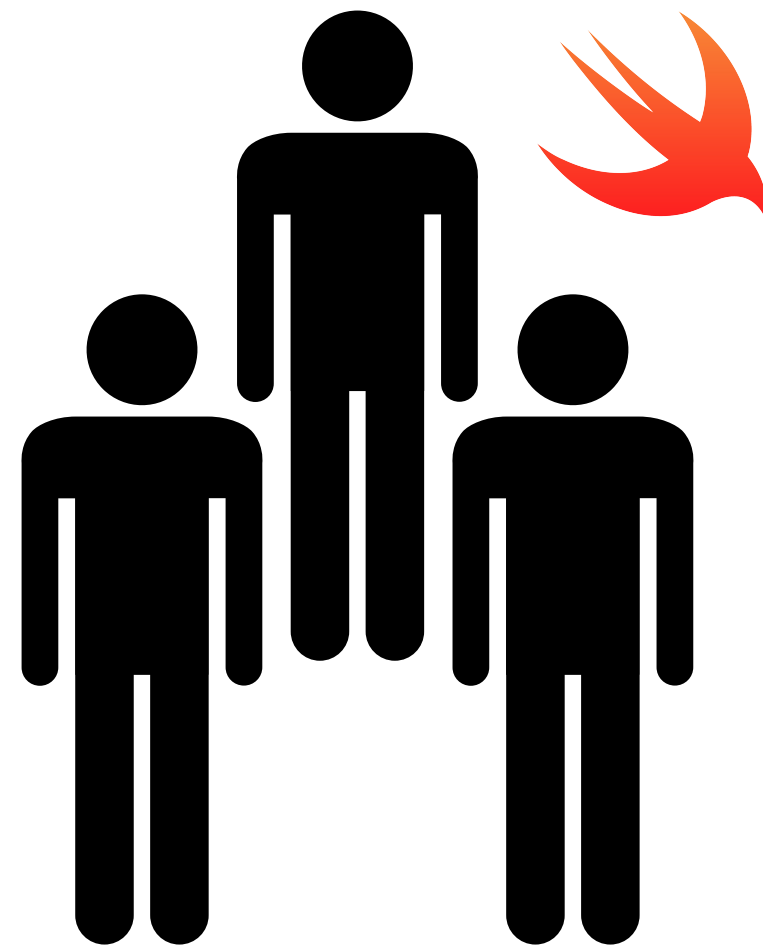
Conclusion



GO



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Code Sharing

Your Code

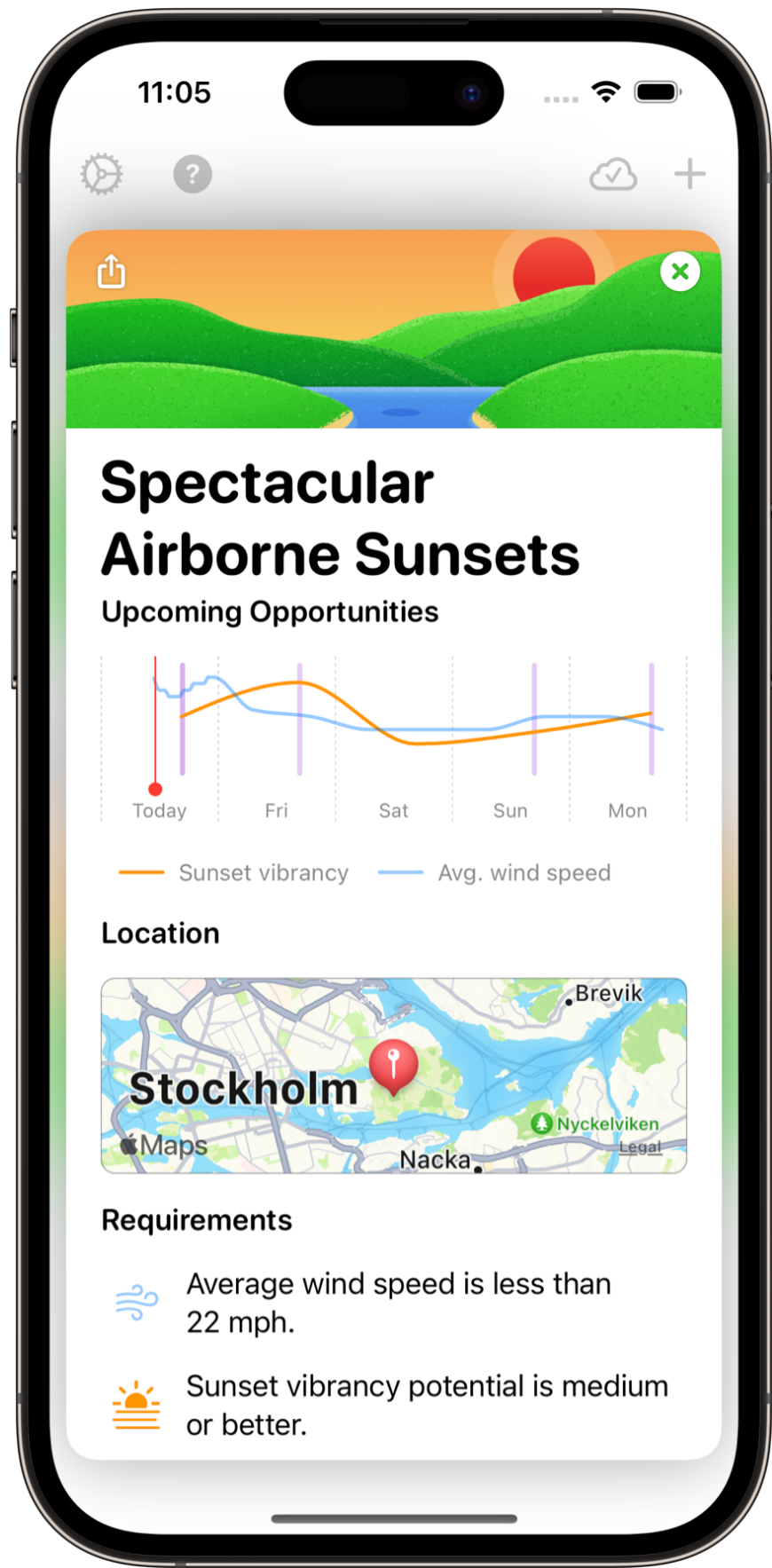
Swift

Foundation

Foundation

 OSes

Linux



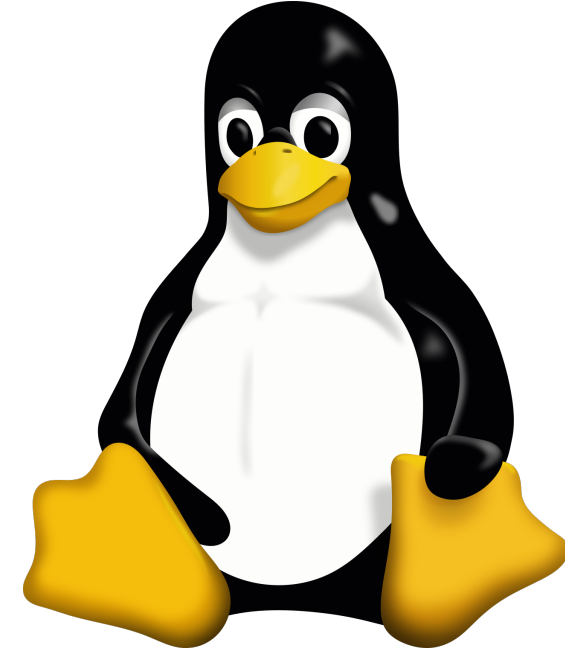
RAM Cache

Redis Cache

Photo Scout Engine

URLSession

HTTPClient



Fin.



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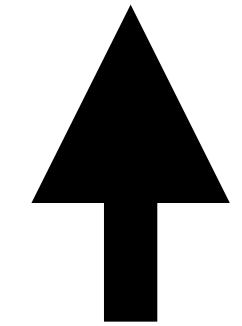


Photo Scout
TestFlight