

# Simple Analytics

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## Collect events on iOS with Swift

This is a draft of how to track events with iOS. If you know how to improve it, please let us know.

```
import Foundation @objc class Analytics: NSObject { private struct eventData: Encodable { let v: Int = 1 let ua: String = "ios" let platform: String = "ios" let hostname: String = "your.hostname.com" let date: Date = Date() let events: [String] } private static let encoder: JSONEncoder = { let encoder = JSONEncoder() encoder.keyEncodingStrategy = .convertToSnakeCase encoder.dateEncodingStrategy = .formatted(dateFormatter) return encoder }() private static let dateFormatter: DateFormatter = { let formatter = DateFormatter() formatter.dateFormat = "yyyy-MM-dd" return formatter }() @objc static func log(eventName: String) { Analytics.log(eventNames: [eventName]) } @objc static func log(eventNames: [String]) { let eventData = eventData(eventNames: eventNames) guard let jsonData = try? encoder.encode(eventData) else { print("Error while logging event: unable to convert event to JSON") return } let url = URL(string: "https://api.simpleanalytics.io/events")! var request = URLRequest(url: url) request.httpMethod = "POST" request.httpBody = jsonData request.addValue("application/json", forHTTPHeaderField: "Content-Type") request.addValue("application/json", forHTTPHeaderField: "Accept") let task = URLSession.shared.dataTask(with: request) { (data, response, error) in if let error = error { print("Error while logging event: \(error)") } } task.resume() }
```

Make sure to include a user agent in the headers of the request. This is not included in the example above.

Thanks to Rutger Bresjer from [Woost Technologies](#) for providing above code example.

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