

Productivity

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you can use `Calendar` method `date(from: DateComponents)` passing `[.yearForWeekOfYear, .weekOfYear]` components from any date it will return the first day of the week from the calendar used. So if you would like to get Sunday just use Gregorian calendar. If you would like to get the Monday as the first day of the week you can use `Calendar.iso8601` as you can see in this [answer](#)

Xcode 12 • Swift 5.3 or later (works with previous Swift versions as well)

```
extension Calendar {
    static let gregorian = Calendar(identifier: .gregorian)
}
```

```
extension Date {
    func startOfWeek(using calendar: Calendar = .gregorian) -> Date {
        calendar.dateComponents([.calendar, .yearForWeekOfYear, .weekOfYear], fr
    }
}
```

usage:

```
Date().startOfWeek() // "Sep 20, 2020 at 12:00 AM"
```

If you would like to get the beginning of week at a particular timezone you just need to use a custom calendar:

```
var gregorianUTC = Calendar.gregorian
gregorianUTC.timeZone = TimeZone(identifier: "UTC")!
print(Date().startOfWeek(using: gregorianUTC)) // "2020-09-20 00:00:00 +0000\n"
```

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edited Dec 8, 2020 at 18:25

answered Feb 28, 2016 at 20:15

Leo Dabus

Server Dateime datatype

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