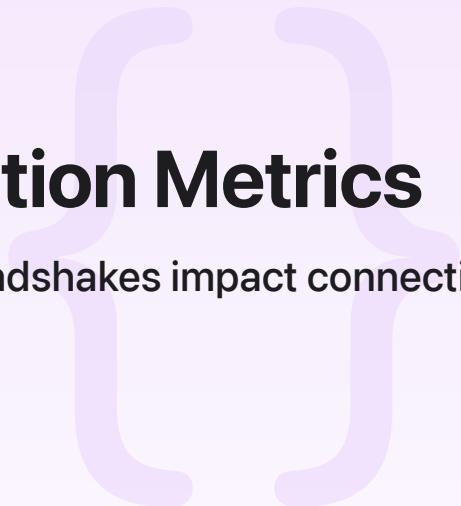Sample Code

Collecting Network Connection Metrics

Use reports to understand how DNS and protocol handshakes impact connection establishment.

Download

iOS 13.0+ | iPadOS 13.0+ | Xcode 13.0+

Overview

> **Note**
>
> This sample code project is associated with WWDC 2019 session 713: Advances in Networking, Part 2.

See Also

Collecting Connection Metrics

```
func requestEstablishmentReport(queue: DispatchQueue, completion: (
NWConnection.EstablishmentReport?) -> Void)
```

Requests a copy of the connection's establishment report once the connection is in the ready state.

```
struct EstablishmentReport
```

A report that provides metrics about the establishment of a connection.

`func startDataTransferReport() -> NWConnection.PendingDataTransferReport`

Begins a new data transfer report, which can later be collected.

`class PendingDataTransferReport`

An outstanding data transfer report that has yet to be collected.

`struct DataTransferReport`

A report that provides metrics about data being sent and received on a connection.