Structure

WAParameters

Parameters configuring a Wi-Fi Aware data path connection.

iOS 26.0+ | iPadOS 26.0+

```
struct WAParameters
```

Overview

You can customize Wi-Fi Aware configuration with the parameters passed in the `.wifiAware()` instruction to the `NetworkBrowser` and `NetworkListener`, or via the `.wifiAware: WAParameters?` property on `NWParameters`.

For more information about creating a `NetworkListener`, refer to `WAPublisherListener.DatapathParameters`

> **Important**
>
> Each service must have the same `WAPerformanceMode` on both the `NetworkBrowser` (subscriber) and `NetworkListener` (publisher) sides of the connection, or the resulting performance behavior is undefined. If not specified, the performance mode defaults to `WAPerformanceMode.bulk` on both sides.

Topics

Setting common configurations

```
static let defaults: WAParameters
```

The property that configures default parameters that prioritize bulk throughput, power consumption, and other concurrent Wi-Fi use cases.

```
static let realtime: WAParameters
```

The property that configures parameters that prioritize latency at the expense of throughput, power consumption, and other concurrent Wi-Fi use cases.

Checking the configured performance mode

```
var performanceMode: WAPerformanceMode
```

The initial performance configuration of the data path when connected.

```
init(performanceMode: WAPerformanceMode)
```

Initializes the parameters with defaults.

Relationships

Conforms To

Sendable, SendableMetatype

See Also

Parameters

```
final class NWParameters
```

An object that stores the protocols to use for connections, options for sending data, and network path constraints.

```
struct NWParametersBuilder<Top, each P> where Top : NetworkProtocol
Options, repeat each P : NetworkProtocolOptions
```

An opaque class that is responsible for creating and configuring NWParameters based on the parameterized protocol stack.