▤ **Documentation**   Language: Swift

Framework

HummingbirdHTTP2

Add HTTP2 support to Hummingbird server.

Overview

HummingbirdHTTP2 is bundled with Hummingbird, but is not enabled by default. To enable HTTP2 support, you need to add the target dependency to your target:

```
swift package add-target-dependency HummingbirdHTTP2 <MyApp> --package hummi
```

Make sure to replace <MyApp> with the name of your App's target.

HummingbirdHTTP2 provides HTTP2 upgrade support via <u>HTTP2UpgradeChannel</u>. You can add this to your application using <u>http2Upgrade(tlsConfiguration:additional ChannelHandlers:)</u>.

```swift
// Load certificates and private key to construct server TLS configuration
let certificateChain = try NIOSSLCertificate.fromPEMFile(arguments.certifica
let privateKey = try NIOSSLPrivateKey(file: arguments.privateKey, format: .p
let tlsConfiguration = TLSConfiguration.makeServerConfiguration(
    certificateChain: certificateChain.map { .certificate($0) },
    privateKey: .privateKey(privateKey)
)

let router = Router()
let app = Application(
    router: router,
    server: .http2Upgrade(tlsConfiguration: tlsConfiguration)
)
```

Topics

Server

`static func` `http2Upgrade(tlsConfiguration: TLSConfiguration, configuration: HTTP2UpgradeChannel.Configuration) throws -> HTTPServerBuilder`

　　Build HTTP channel with HTTP2 upgrade

`static func` `http2Upgrade(tlsChannelConfiguration: TLSChannel Configuration, configuration: HTTP2UpgradeChannel.Configuration) throws -> HTTPServerBuilder`

　　Build HTTP channel with HTTP2 upgrade

`static func` `plaintextHTTP2(configuration: HTTP2Channel.Configuration) -> HTTPServerBuilder`

　　Build plaintext HTTP2 channel

`struct` `HTTP2UpgradeChannel`

　　Child channel for processing HTTP1 with the option of upgrading to HTTP2 via ALPN

`struct` `HTTP2Channel`

　　Child channel for processing HTTP2

Configuration

`struct` `HTTP2ChannelConfiguration`

　　HTTP2 configuration

`struct` `TLSChannelConfiguration`

　　TLSChannel configuration

See Also

Related Documentation

≋   Hummingbird

Lightweight, modern, flexible server framework written in Swift.

≋   HummingbirdCore

Swift NIO based HTTP server.

≋   HummingbirdTLS

Add TLS support to Hummingbird server.

Reference

≋   HummingbirdTLS

Add TLS support to Hummingbird server.

≋   HummingbirdWebSocket

Adds support for upgrading HTTP connections to WebSocket.