

[HummingbirdTLS](#) / TLSChannel

## Structure

# TLSChannel

Sets up child channel to use TLS before accessing base channel setup

```
struct TLSChannel<BaseChannel> where BaseChannel : ServerChildChannel
```

## Topics

### Initializers

`init(BaseChannel, configuration: TLSChannelConfiguration) throws`  
Initialize TLSChannel

`init(BaseChannel, tlsConfiguration: TLSConfiguration) throws`  
Initialize TLSChannel

### Instance Methods

`func handle(value: BaseChannel.Value, logger: Logging.Logger) async`  
handle messages being passed down the channel pipeline

`func setup(channel: Channel, logger: Logger) -> EventLoopFuture<Value>`

Setup child channel with TLS and the base channel setup

## Type Aliases

`typealias Value`

## Default Implementations

- ☰ HTTPChannelHandler Implementations
  - ☰ ServerChildChannel Implementations
- 

## Relationships

### Conforms To

`HTTPChannelHandler`

Conforms when `BaseChannel` conforms to `HTTPChannelHandler`.

`ServerChildChannel`

`Swift.Copyable`

`Swift.Sendable`

---

## See Also

### Server

```
static func tls(HTTPServerBuilder, tlsConfiguration:
TLSConfiguration) throws -> HTTPServerBuilder
```

Build server supporting HTTP with TLS

```
static func tls(HTTPServerBuilder, configuration: TLSChannel
Configuration) throws -> HTTPServerBuilder
```

---

## Build server supporting HTTP with TLS