

# Namespace WebSockets.Core

## Classes

### [ClientHandshake](#)

A sans-io implementation of the client side of the WebSocket protocol.

The business layer logic is not provided. For example when a ping is received, the implementer is expected to return the pong. This is also the case for a close.

### [DateTimeProvider](#)

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The base protocol class providing functionality shared by both clients and servers.

### [MessageProtocol](#)

The base protocol class providing functionality shared by both clients and servers.

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### [ServerHandshake](#)

A sans-io implementation of the server side of the WebSocket protocol.

The business layer logic is not provided. For example when a ping is received, the implementer is expected to return the pong. This is also the case for a close.

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# Class ClientHandshake

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

A sans-io implementation of the client side of the WebSocket protocol.

The business layer logic is not provided. For example when a ping is received, the implementer is expected to return the pong. This is also the case for a close.

```
public class ClientHandshake : Handshake
```

## Inheritance

[object](#) ← [Handshake](#) ← ClientHandshake

## Inherited Members

[Handshake.State](#) , [Handshake.SelectedSubProtocol](#) , [Handshake.ReadData\(byte\[\], ref long, long\)](#) ,  
[Handshake.WriteData\(byte\[\], long, long\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ClientHandshake(string, string[])

```
public ClientHandshake(string origin, string[] subProtocols)
```

#### Parameters

origin [string](#)

subProtocols [string](#)[]

### ClientHandshake(string, string[], IDateTimeProvider, INonceGenerator)

```
public ClientHandshake(string origin, string[] subProtocols, IDateTimeProvider dateServiceProvider, INonceGenerator nonceGenerator)
```

## Parameters

origin [string](#)

subProtocols [string](#)[]

dateTimeProvider [IDateTimeProvider](#)

nonceGenerator [INonceGenerator](#)

## Methods

### ReadResponse()

```
public WebResponse? ReadResponse()
```

## Returns

[WebResponse](#)

### WriteRequest(string, string)

```
public void WriteRequest(string path, string host)
```

## Parameters

path [string](#)

host [string](#)

# Class DateTimeProvider

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public class DateTimeProvider : IDateTimeProvider
```

## Inheritance

[object](#) ← DateTimeProvider

## Implements

[IDateTimeProvider](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

# Properties

## Now

```
public DateTime Now { get; }
```

## Property Value

[DateTime](#)

# Class Handshake

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

The base protocol class providing functionality shared by both clients and servers.

```
public abstract class Handshake
```

## Inheritance

[object](#) ← Handshake

## Derived

[ClientHandshake](#), [ServerHandshake](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

**Handshake(bool, string[], IDateTimeProvider)**

Construct the protocol.

```
protected Handshake(bool isClient, string[] subProtocols,  
IDateTimeProvider dateServiceProvider)
```

## Parameters

**isClient** [bool](#)

If true the protocol is for a client; otherwise it is for a server.

**subProtocols** [string](#)[]

The supported sub-protocols.

## dateTimeProvider [IDateTimeProvider](#)

A date/time provider.

# Properties

## SelectedSubProtocol

```
public string? SelectedSubProtocol { get; protected set; }
```

### Property Value

[string](#) ↗

## State

The state of the connection.

```
public HandshakeState State { get; protected set; }
```

### Property Value

[HandshakeState](#)

The connection state.

# Methods

## ReadData(byte[], ref long, long)

Read handshake data from the network into the protocol buffer.

```
public void ReadData(byte[] buffer, ref long offset, long length)
```

### Parameters

**buffer** `byte[]`

The buffer containing the data.

**offset** `long`

The offset into the buffer.

**length** `long`

The length of the data.

## WriteData(`byte[]`, `long`, `long`)

```
public void WriteData(byte[] buffer, long offset, long length)
```

### Parameters

**buffer** `byte[]`

**offset** `long`

**length** `long`

# Enum HandshakeState

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public enum HandshakeState
```

## Fields

Failed = 2

Pending = 0

Succeeded = 1

# Interface IDateTimeProvider

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public interface IDateTimeProvider
```

## Properties

Now

```
DateTime Now { get; }
```

Property Value

[DateTime](#)

# Interface INonceGenerator

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public interface INonceGenerator
```

## Methods

### CreateClientKey()

```
string CreateClientKey()
```

Returns

[string](#)

### CreateMask()

```
byte[] CreateMask()
```

Returns

[byte](#)[]

# Class MessageProtocol

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

The base protocol class providing functionality shared by both clients and servers.

```
public class MessageProtocol
```

## Inheritance

[object](#) ← MessageProtocol

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### MessageProtocol(bool, INonceGenerator)

Construct the protocol.

```
public MessageProtocol(bool isClient, INonceGenerator nonceGenerator)
```

## Parameters

**isClient** [bool](#)

If true the protocol is for a client; otherwise it is for a server.

**nonceGenerator** [INonceGenerator](#)

A generator for secrets.

## Properties

## State

The state of the connection.

```
public ProtocolState State { get; protected set; }
```

## Property Value

[ProtocolState](#)

The connection state.

## Methods

### ReadData(byte[], ref long, long)

```
public bool ReadData(byte[] buffer, ref long offset, long length)
```

#### Parameters

buffer [byte](#)[]

offset [long](#)

length [long](#)

#### Returns

[bool](#)

### ReadMessage()

```
public Message? ReadMessage()
```

#### Returns

[Message](#)

## WriteData(byte[], long, long)

```
public void WriteData(byte[] buffer, long offset, long length)
```

### Parameters

buffer [byte](#)[]

offset [long](#)

length [long](#)

## WriteMessage(Message)

```
public void WriteMessage(Message message)
```

### Parameters

message [Message](#)

# Class NonceGenerator

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public class NonceGenerator : INonceGenerator
```

## Inheritance

[object](#) ← NonceGenerator

## Implements

[INonceGenerator](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Fields

### \_random

```
public static readonly Random _random
```

## Field Value

[Random](#)

## Methods

### CreateClientKey()

```
public string CreateClientKey()
```

## Returns

string ↴

## CreateMask()

```
public byte[] CreateMask()
```

Returns

byte ↴ []

# Enum ProtocolState

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public enum ProtocolState
```

## Fields

Closed = 2

Closing = 1

Connected = 0

Faulted = 3

# Class PublicExtensionMethods

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public static class PublicExtensionMethods
```

## Inheritance

[object](#) ← PublicExtensionMethods

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Methods

### SingleCommaValues(IDictionary<string, IList<string>>, string)

```
public static string[]? SingleCommaValues(this IDictionary<string, IList<string>>  
headers, string key)
```

#### Parameters

headers [IDictionary](#)<string, [IList](#)<string>>

key [string](#)

#### Returns

[string](#)[]

### SingleValue(IDictionary<string, IList<string>>, string)

```
public static string? SingleValue(this IDictionary<string, IList<string>> headers,  
string key)
```

## Parameters

headers [IDictionary<string, IList<string>>](#)

key [string](#)

## Returns

[string](#)

# Struct Reserved

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public struct Reserved : IEquatable<Reserved>
```

Implements

[IEquatable](#)<[Reserved](#)>

Inherited Members

[ValueType.Equals\(object\)](#) , [ValueType.GetHashCode\(\)](#) , [ValueType.ToString\(\)](#) ,  
[object.Equals\(object, object\)](#) , [object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Constructors

Reserved(bool, bool, bool)

```
public Reserved(bool isRsv1, bool isRsv2, bool isRsv3)
```

Parameters

isRsv1 [bool](#)

isRsv2 [bool](#)

isRsv3 [bool](#)

## Properties

AllFalse

```
public static Reserved AllFalse { get; }
```

Property Value

## Reserved

### IsRsv1

```
public readonly bool IsRsv1 { get; }
```

Property Value

[bool](#) ↗

### IsRsv2

```
public readonly bool IsRsv2 { get; }
```

Property Value

[bool](#) ↗

### IsRsv3

```
public readonly bool IsRsv3 { get; }
```

Property Value

[bool](#) ↗

## Methods

### Equals(Reserved)

Indicates whether the current object is equal to another object of the same type.

```
public bool Equals(Reserved other)
```

## Parameters

### **other** Reserved

An object to compare with this object.

## Returns

### bool ↴

true ↴ if the current object is equal to the **other** parameter; otherwise, false ↴.

# Class ServerHandshake

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

A sans-io implementation of the server side of the WebSocket protocol.

The business layer logic is not provided. For example when a ping is received, the implementer is expected to return the pong. This is also the case for a close.

```
public class ServerHandshake : Handshake
```

## Inheritance

[object](#) ← [Handshake](#) ← ServerHandshake

## Inherited Members

[Handshake.State](#) , [Handshake.SelectedSubProtocol](#) , [Handshake.ReadData\(byte\[\], ref long, long\)](#) ,  
[Handshake.WriteData\(byte\[\], long, long\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ServerHandshake(string[])

```
public ServerHandshake(string[] subProtocols)
```

#### Parameters

subProtocols [string](#)[]

### ServerHandshake(string[], IDateTimeProvider)

```
public ServerHandshake(string[] subProtocols, IDateTimeProvider dateServiceProvider)
```

#### Parameters

`subProtocols` [string\[\]](#)[]

`dateTimeProvider` [IDateTimeProvider](#)

## Methods

### ReadRequest()

`public WebRequest? ReadRequest()`

Returns

[WebRequest](#)

### WriteRejectResponse(string)

`public void WriteRejectResponse(string reason)`

Parameters

`reason` [string\[\]](#)

### WriteResponse(WebRequest)

`public void WriteResponse(WebRequest webRequest)`

Parameters

`webRequest` [WebRequest](#)

# Class WebRequest

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public class WebRequest
```

## Inheritance

[object](#) ← WebRequest

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Constructors

WebRequest(string, string, string, IDictionary<string,  
IList<string>>)

```
public WebRequest(string verb, string path, string version, IDictionary<string,  
IList<string>> headers)
```

## Parameters

verb [string](#)

path [string](#)

version [string](#)

headers [IDictionary<string, IList<string>>](#)

## Properties

### Headers

```
public IDictionary<string, IList<string>> Headers { get; }
```

## Property Value

[IDictionary](#)<[string](#), [IList](#)<[string](#)>>

## Path

```
public string Path { get; }
```

## Property Value

[string](#)

## Verb

```
public string Verb { get; }
```

## Property Value

[string](#)

## Version

```
public string Version { get; }
```

## Property Value

[string](#)

## Methods

Parse(string)

```
public static WebRequest Parse(string data)
```

## Parameters

**data** [string](#) ↗

## Returns

[WebRequest](#)

## ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

## Returns

[string](#) ↗

A string that represents the current object.

# Class WebResponse

Namespace: [WebSockets.Core](#)

Assembly: WebSockets.Core.dll

```
public class WebResponse
```

## Inheritance

[object](#) ← WebResponse

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

WebResponse(string, int, string, IDictionary<string, IList<string>>, byte[]?)

```
public WebResponse(string version, int code, string reason, IDictionary<string, IList<string>> headers, byte[]? body)
```

## Parameters

version [string](#)

code [int](#)

reason [string](#)

headers [IDictionary<string, IList<string>>](#)

body [byte\[\]](#)

## Properties

## Body

```
public byte[]? Body { get; }
```

## Property Value

[byte](#)[]

## Code

```
public int Code { get; }
```

## Property Value

[int](#)

## Headers

```
public IDictionary<string, IList<string>> Headers { get; }
```

## Property Value

[IDictionary](#)<[string](#), [IList](#)<[string](#)>>

## Reason

```
public string Reason { get; }
```

## Property Value

[string](#)

## Version

```
public string Version { get; }
```

Property Value

[string](#)

## Methods

Parse(byte[])

```
public static WebResponse Parse(byte[] data)
```

Parameters

[data](#) [byte](#)[]

Returns

[WebResponse](#)

ToBytes()

```
public byte[] ToBytes()
```

Returns

[byte](#)[]

# Namespace WebSockets.Core.Messages

## Classes

[BinaryMessage](#)

[CloseMessage](#)

[DataMessage](#)

[Message](#)

A WebSocket message.

[PingMessage](#)

[PongMessage](#)

[TextMessage](#)

A message with text data.

## Enums

[MessageType](#)

The types of messages.

# Class BinaryMessage

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

```
public class BinaryMessage : DataMessage, IEquatable<Message>,
IEquatable<DataMessage>
```

## Inheritance

[object](#) ← [Message](#) ← [DataMessage](#) ← [BinaryMessage](#)

## Implements

[IEquatable](#)<[Message](#)>, [IEquatable](#)<[DataMessage](#)>

## Inherited Members

[DataMessage.Data](#), [DataMessage.Equals\(DataMessage\)](#), [Message.Type](#),  
[Message.Serialize\(bool, Reserved?, long, INonceGenerator\)](#), [Message.Deserialize\(byte\[\]\)](#),  
[Message.Equals\(Message\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

# Constructors

## BinaryMessage(byte[])

```
public BinaryMessage(byte[] data)
```

## Parameters

data [byte](#)[]

# Class CloseMessage

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

```
public class CloseMessage : Message, IEquatable<Message>, IEquatable<CloseMessage>
```

## Inheritance

[object](#) ← [Message](#) ← CloseMessage

## Implements

[IEquatable](#)<[Message](#)>, [IEquatable](#)<[CloseMessage](#)>

## Inherited Members

[Message.Type](#), [Message.Serialize\(bool, Reserved?, long, INonceGenerator\)](#),  
[Message.Deserialize\(byte\[\]\)](#), [Message.Equals\(Message\)](#), [object.Equals\(object\)](#),  
[object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

## Constructors

CloseMessage(ushort?, string?)

```
public CloseMessage(ushort? code, string? reason)
```

## Parameters

code [ushort](#)?

reason [string](#)

## Properties

### Code

```
public ushort? Code { get; }
```

## Property Value

[ushort](#)?

## Reason

```
public string? Reason { get; }
```

## Property Value

[string](#)

## Methods

### Equals(CloseMessage?)

Indicates whether the current object is equal to another object of the same type.

```
public bool Equals(CloseMessage? other)
```

#### Parameters

**other** [CloseMessage](#)

An object to compare with this object.

#### Returns

[bool](#)

[true](#) if the current object is equal to the **other** parameter; otherwise, [false](#).

# Class DataMessage

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

```
public abstract class DataMessage : Message, IEquatable<Message>,  
IEquatable<DataMessage>
```

## Inheritance

[object](#) ← [Message](#) ← DataMessage

## Implements

[IEquatable](#)<[Message](#)>, [IEquatable](#)<[DataMessage](#)>

## Derived

[BinaryMessage](#), [PingMessage](#), [PongMessage](#)

## Inherited Members

[Message.Type](#), [Message.Serialize\(bool, Reserved?, long, INonceGenerator\)](#),  
[Message.Deserialize\(byte\[\]\)](#), [Message.Equals\(Message\)](#), [object.Equals\(object\)](#),  
[object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

# Constructors

## DataMessage(MessageType, byte[])

```
public DataMessage(MessageType type, byte[] data)
```

## Parameters

type [MessageType](#)

data [byte](#)[]

# Properties

# Data

```
public byte[] Data { get; }
```

## Property Value

[byte](#)[]

# Methods

## Equals(DataMessage?)

Indicates whether the current object is equal to another object of the same type.

```
public bool Equals(DataMessage? other)
```

### Parameters

**other** [DataMessage](#)

An object to compare with this object.

### Returns

[bool](#)

[true](#) if the current object is equal to the **other** parameter; otherwise, [false](#).

# Class Message

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

A WebSocket message.

```
public abstract class Message : IEquatable<Message>
```

Inheritance

[object](#) ← Message

Implements

[IEquatable](#)<[Message](#)>

Derived

[CloseMessage](#), [DataMessage](#), [TextMessage](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### Message(MessageType)

```
protected Message(MessageType type)
```

Parameters

type [MessageType](#)

## Properties

### Type

The message type.

```
public MessageType Type { get; }
```

## Property Value

### [MessageType](#)

The type of the message.

## Methods

### Deserialize(byte[])

Deserialize data into a message.

```
public static Message Deserialize(byte[] data)
```

#### Parameters

##### [data byte\[\]](#)

The data to deserialize.

#### Returns

##### [Message](#)

The deserialized message.

### Equals(Message?)

Check for equality.

```
public bool Equals(Message? other)
```

#### Parameters

## other Message

The other message.

Returns

[bool](#)

True if the messages are the same.

## Serialize(bool, Reserved?, long, INonceGenerator?)

Serialize the message to bytes.

```
public byte[] Serialize(bool isClient, Reserved? reserved = null, long maxFrameSize = 9223372036854775807, INonceGenerator? nonceGenerator = null)
```

Parameters

[isClient](#) [bool](#)

If true this is a client message, otherwise it is a server message.

[reserved](#) [Reserved?](#)

The reserved bits.

[maxFrameSize](#) [long](#)

The maximum size of a frame.

[nonceGenerator](#) [INonceGenerator](#)

A generator for client masks.

Returns

[byte](#)[]

The message, serialized to bytes.

# Enum MessageType

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

The types of messages.

```
public enum MessageType
```

## Fields

Binary = 1

Close = 4

Ping = 2

Pong = 3

Text = 0

# Class PingMessage

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

```
public class PingMessage : DataMessage, IEquatable<Message>, IEquatable<DataMessage>
```

## Inheritance

[object](#) ← [Message](#) ← [DataMessage](#) ← PingMessage

## Implements

[IEquatable](#)<[Message](#)>, [IEquatable](#)<[DataMessage](#)>

## Inherited Members

[DataMessage.Data](#), [DataMessage.Equals\(DataMessage\)](#), [Message.Type](#),  
[Message.Serialize\(bool, Reserved?, long, INonceGenerator\)](#), [Message.Deserialize\(byte\[\]\)](#),  
[Message.Equals\(Message\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

# Constructors

## PingMessage(byte[])

```
public PingMessage(byte[] data)
```

## Parameters

data [byte](#)[]

# Class PongMessage

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

```
public class PongMessage : DataMessage, IEquatable<Message>, IEquatable<DataMessage>
```

## Inheritance

[object](#) ← [Message](#) ← [DataMessage](#) ← PongMessage

## Implements

[IEquatable](#)<[Message](#)>, [IEquatable](#)<[DataMessage](#)>

## Inherited Members

[DataMessage.Data](#), [DataMessage.Equals\(DataMessage\)](#), [Message.Type](#),  
[Message.Serialize\(bool, Reserved?, long, INonceGenerator\)](#), [Message.Deserialize\(byte\[\]\)](#),  
[Message.Equals\(Message\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

# Constructors

## PongMessage(byte[])

```
public PongMessage(byte[] data)
```

## Parameters

data [byte](#)[]

# Class TextMessage

Namespace: [WebSockets.Core.Messages](#)

Assembly: WebSockets.Core.dll

A message with text data.

```
public class TextMessage : Message, IEquatable<Message>, IEquatable<TextMessage>
```

## Inheritance

[object](#) ← [Message](#) ← TextMessage

## Implements

[IEquatable](#)<[Message](#)>, [IEquatable](#)<[TextMessage](#)>

## Inherited Members

[Message.Type](#), [Message.Serialize\(bool, Reserved?, long, INonceGenerator\)](#),  
[Message.Deserialize\(byte\[\]\)](#), [Message.Equals\(Message\)](#), [object.Equals\(object\)](#),  
[object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

## Constructors

### TextMessage(string)

```
public TextMessage(string text)
```

## Parameters

text [string](#)

## Properties

### Text

```
public string Text { get; }
```

## Property Value

[string](#)

## Methods

### Equals(TextMessage?)

Indicates whether the current object is equal to another object of the same type.

```
public bool Equals(TextMessage? other)
```

#### Parameters

**other** [TextMessage](#)

An object to compare with this object.

#### Returns

[bool](#)

[true](#) if the current object is equal to the **other** parameter; otherwise, [false](#).