

WebSocketServerOptions

August 18, 2026

WebSocketServerOptions

Kind: Interface

Source: `packages/websockets/interfaces/web-socket-server.interface.ts`

Part of: [Websockets](#)

`WebSocketServerOptions` defines the configuration required to initialize a WebSocket server. It specifies the network port the server listens on and the namespace used to scope or route WebSocket connections within the application.

Properties

Property	Type
<code>port</code>	<code>number</code>
<code>namespace</code>	<code>string</code>

Diagram

```
graph LR
  A[Application Configuration] --> B[WebSocketServerOptions]
  B --> C[port: number]
  B --> D[namespace: string]
  C --> E[WebSocket Server Listener]
  D --> F[Connection Namespace / Route]
```

Usage

```
import type { WebSocketServerOptions } from './interfaces/web-socket-server.interface';

const websocketOptions: WebSocketServerOptions = {
  port: 3001,
  namespace: '/notifications',
}
```

```
};
```

```
// Pass the options when creating or configuring the WebSocket server.  
createWebSocketServer(websocketOptions);
```

AI Coding Instructions

- Provide a valid, available TCP port as `port` ; avoid conflicting with the application's HTTP server port unless shared-server support exists.
- Use a consistent `namespace` format, typically beginning with `/` , such as `/chat` or `/notifications` .
- Keep namespace values aligned with the client connection URL and any server-side routing or gateway configuration.
- Treat this interface as configuration-only; do not add runtime connection state or server instances to it.

How it works

`WebSocketServerOptions` is an exported TypeScript interface marked `@publicApi` . It describes an object with two required properties:

[packages/websockets/interfaces/web-socket-server.interface.ts:1-7]

- `port: number` — a numeric `port` property. [packages/websockets/interfaces/web-socket-server.interface.ts:4-6]
- `namespace: string` — a string `namespace` property.

[packages/websockets/interfaces/web-socket-server.interface.ts:4-7]

The interface itself contains no runtime validation, error handling, or side effects.

[packages/websockets/interfaces/web-socket-server.interface.ts:4-7]