**✅ What is Server-Sent Events (SSE)?**

**Server-Sent Events (SSE)** is a **server push** technology where a server can **send automatic updates** to the browser over a **single long-lived HTTP connection**.

**🔧 How It Works**

1. **Client (browser)** creates a connection using EventSource in JavaScript.
2. **Server** responds with Content-Type: text/event-stream.
3. Server **keeps the connection open** and **pushes data** as needed.
4. Browser **listens for updates** and reacts in real-time.

**🧠 Key Characteristics**

| **Feature** | **Description** |
| --- | --- |
| Protocol | Standard HTTP (one-way: server → client) |
| Data Format | Plain text with data: prefix |
| Connection Type | Long-lived HTTP connection (not WebSocket) |
| Browser API | EventSource |
| Reconnect Automatically | Yes – built-in reconnect by browser |
| Supported By | Most modern browsers (Chrome, Firefox, Safari) |
| Not Supported By | Internet Explorer (no native support) |