

The difference between Proxy and SOCKS

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PROXY vs SOCKS:

First of all, review the concept of SOCKS and Proxy:

1. What is a proxy?
2. What is SOCKS?

The SOCKS server primarily serves the **Proxy** server for the purpose of creating, establishing a **TCP** connection to one or more other servers, instead of the client, then redirecting the entire data - the traffic goes back and forth between the client and the server. And **SOCKS** works with any network protocol, on all ports. **SOCKS Version 5** also adds high security and **UDP (User Datagram Protocol)** support. And essentially, **SOCKS** does not compile any data between the client and server, but is only used in case the client system is protected by **Firewall** , and those clients cannot create a standard TCP connection. to the server (outside the **Firewall**), unless they are done via **SOCKS** server.

Almost all web browsers currently support the ability to connect via **SOCKS** servers. Because, the client must first create a connection to the **SOCKS** server, and tell the server which server the client wants to connect to.

The **HTTP Proxy** is the same, used for the same purpose as the **SOCKS Server** , but in the case of clients behind the Firewall layer, it is also prevented when creating an outbound TCP connection - outgoing out of **Firewall** . However, unlike the **SOCKS** server, **HTTP Proxy** is understandable, while compiling data streams - traffic is transferred between the client and server, which we often call the **HTTP protocol** . And also so that **HTTP Proxy** is only used to handle data over **HTTP** . More specifically, **HTTP Proxy** can easily recognize signals with multiple repetitions, saving those requests to cache to improve system performance. And also for that reason, many Internet service providers - **ISPs** have used **HTTP Proxy** , no matter how well the browser is set up, configured, for the simple reason that all traffic is handled. Navigate through port 80 on the **Proxy Server** .

The above are some basic differences between **SOCKS Server** and **HTTP Proxy** . *Good luck!*

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