

# Spirent TTplugin HTTP

## Hypertext Transfer Protocol

### Spirent services

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The Hypertext Transfer Protocol (HTTP) is an application-level protocol for distributed, collaborative, hypermedia information systems. It is built on top of TCP. HTTP clients (such as Web browsers) and servers communicate via HTTP request and response messages.

The HTTP port plugin provides the possibility to communicate via the Hypertext Transfer Protocol (HTTP) in TTCN-3. It allows sending and receiving of messages on multiple test components for a specified port.

### Features & highlights

- Send and receive messages over HTTP and HTTPS
- Support of GET, POST, PUT and DELETE method
- TTCN-3 test component may act as HTTP client or as HTTP server
- Request parameters (GET/POST)
- HTTP authentication
- Configurable payload (text or binary)
- Cookies
- Custom HTTP header fields
- External functions for UriEncode/UriDecode
- Multiple test components and multiple-port mapping
- Support of port arrays
- No implementation efforts
- Freely combinable with additional test access (TTplugins)
- Recommended to use TTplugin XSD for XML payload for testing REST services

[ttworkbench-sales@spirent.com](mailto:ttworkbench-sales@spirent.com)

AMERICAS 1-800-SPIRENT  
+1-800-774-7368  
[sales@spirent.com](mailto:sales@spirent.com)

US Government & Defense  
[info@spirentfederal.com](mailto:info@spirentfederal.com)  
[spirentfederal.com](http://spirentfederal.com)

EUROPE AND THE MIDDLE EAST  
+44 (0) 1293 767979  
[emeainfo@spirent.com](mailto:emeainfo@spirent.com)

ASIA AND THE PACIFIC  
+86-10-8518-2539  
[salesasia@spirent.com](mailto:salesasia@spirent.com)

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