Submitting a Web Form (HTTP Post Sequence Diagram)		
Internet		EventHelix.com/EventStudio 2.5
PC	Server	03-Dec-05 10:47 (Page 1)
User Web Browser	Web Server	03-Dec-03 10.47 (rage 1)
This Tutorial Sequence Diagram was generated with EventStudio System Designer 2.5 (http://www.EventHelix.com/EventStudio).		
<pre>HTTP Post is used by the browser to report form data when the user submits a form. This sequence diagram illustrates the flow of a typical HTTP Post. The sequence of actions is: - The user fills a form and clicks on the submit button. - The web browser establishes a TCP connection with the web server. - The web browser sends an HTTP POST. - The web server responds with "HTTP 200 OK" to indicate that the post has been accepted. - The web browser displays the return page to the user. - The user closes the browser. - The browser releases the TCP connection.</pre>		
		User clicks on the submit button for a web form.
Submit Button Initiate TCP connection establish	iment	The web browser needs to send a post to the web server but it finds that the no TCP connection is active with the web server. TCP connection establishment is initiated.
	P (SYN)	The web browser sends a TCP segment with SYN.
	SYN+ACK)	The web server responds with a TCP segment with SYN and the ACK flags enabled.
	P (ACK)	The three way TCP handshake is completed when the web browser responds back with the ack segment.
	P POST I, Content Length	The web browser sends the HTTP Post on the newly established TCP connection. The post contains the form data that was entered by the user. A sample post is shown below:
<pre>Accept: image/gif, image/x-xbitmap, image/jpeg, image/pjpeg, application/x-shockwave-flash, application/vnd.ms-excel, application/vnd.ms-powerpoint, application/msword, / Referer: http://www.anydomain.com/FillForm.htm Accept-Language: en-us Content-Type: multipart/form-data; boundary=8d547442c03ba Accept-Encoding: gzip, deflate User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322) Host: anydomain.com Content-Length: 2156 Connection: Keep-Alive Cache-Control: no-cache</pre>		
8d547442c03ba		
<form data="" goes="" here=""> 8d547442c03ba</form>		
	ontinuation (ACK)	The HTTP Post is longer than one TCP segment, this is the second TCP segment for the HTTP post. The web server sends a TCP ack to acknowledge the two TCP
нтт	200 OK	segments for the HTTP post. The web server acknowledges the the HTTP POST. The header of
HTTP/1.1 200 OK Date: Sat, 03 Dec 2005 11:25:07 GMT Server: Apache/2.0.52 (Fedora) Last-Modified: Sat, 03 Dec 2005 10:23:07 GMT ETag: "2b8b2-150-857bb381" Accept-Ranges: bytes Content-Length: 416 Keep-Alive: timeout=10, max=100 Connection: Keep-Alive Content-Type: text/html; charset=ISO-8859-1		

