

WPM custom HTTP status codes

When there is an error making a HTTP connection or downloading a HTTP item, we return the following status codes in place of the normal HTTP status code.

These appear in the HAR file, the load-testing database and also when TransactionStepObject.getStatusCode() is called in the Test Scripts API.

Status Code	Stage	Description	Cause	HAR Error Message	Load Testing Headers Message	Notes
901	DNS Lookup	Indicates that the IP address of a host could not be determined.	Unable to resolve hostname using agents nameserver	Unknown host: blah		
902	Connect	Signals that a timeout has occurred while connecting to a remote server.	The server never accepted the socket connection, or the connect acknowledgement was otherwise never received at the client.	Connection timeout		Connection timeouts usually after 21 seconds (on Windows)
903	Connect	Signals that an error occurred while attempting to connect a socket to a remote address and port. Typically, the connection was refused remotely (e.g., no process is listening on	The server refused the connection (sent a RST packet during the connection process).	Connection refused		

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		the remote address/port).				
904	Any time	Transaction has ended, and the connection has be shut off mid stream.	The script errored out, timed out or just got to the end.	Script finished		
905	Response Headers Read, Content being streamed to browser	The client (the browser) killed the connection.	The proxy make the request, got the response from the server. Headers were sent to the browser but the browser stopped the connection while reading the content. This can happen if: <ol style="list-style-type: none"> 1. The client decided it didn't care about the HTTP response and closed the socket. E.g. it was a 404 or 500 message for a subframe. 2. The client was killed 	Client socket closed		

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			while in the process of reading the response.			
906	Reading HTTP response from Server	The server closed the socket	The socket was closed by the server.	Socket closed	The target server failed to respond	
907	Reading HTTP response from Server	Signals an error in the HTTP protocol response from the server.	Invalid Headers, Invalid Response Line. This error is seen when: <ol style="list-style-type: none"> 1. There is a problem parsing the first HTTP line. HttpClient is expecting something of the form: "HTTP/1.1 200 OK\r\n". 2. If an invalid header is returned. 	Invalid Response		
908	Sending request to server or reading response from server.	The socket was reset (forcibly closed by the server).	Usually sent by the OS when the server process is killed, or abort() is called on the socket on the server side.	Socket reset		

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909	Sending request to server or reading response from server.	The socket timed out while sending or receiving data from the server.	The server responded to the connection request but took too long to accept our HTTP request or only partially responded to the HTTP request. Number to content bytes returned and response headers will appear in HAR if there are any.	Socket timeout		Socket timeouts are set to 60 seconds by default (SO_LINGER is set to 60).
910	After connect during handshake	SSL Handshake error occurred	<p>Either the client or server decided that the other end of the connection:</p> <ol style="list-style-type: none"> 1. Had a bad certificate. 2. Did not support a compatible protocol. <p>The detailed message should hint at what the problem was.</p>	Received fatal alert: handshake_failure at .../Remote host closed connection during handshake at ..		Note connect resets. closes and timeouts are just as common here, the server may just abruptly end the connection when a client tries to connect with a bad cert or using the wrong SSL protocol, other times the SSL engine (e.g. OpenSSL) on the server can just hang until there is a timeout.
911	Before request made to server	Bad URI	A URL requested by the browser or by the script	Bad URI		

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			is not a valid URL.			
988	Any stage	An error occurred that we don't have an explicit error message baked for.		Full description of the Java exception that occurred		
-988	Any stage	Note this is different from a positive 998. Positive 998 are unanticipated exceptions that are caught. However with a negative 998 the exception was never caught and the details about the request may have been lost.				
-666	Before request made to server	Abuse detected	This request is blacklisted as an abusive URL on our network (Note this is different from blacklistUrl(), this is not regarded as an abuse.).	Abuse Detected		