

HTTP/2	Direct HTTP/2	Alternative Service	Client Side (Client - NetScaler)	Server Side (NetScaler - Server)
Disabled	Disabled	Disabled	No HTTP/2 support	No HTTP/2 support
Disabled	Disabled	Enabled	No HTTP/2 support	No HTTP/2 support
Disabled	Enabled	Disabled	No HTTP/2 support	No HTTP/2 support
Disabled	Enabled	Enabled	No HTTP/2 support	No HTTP/2 support
Enabled	Disabled	Disabled	<ul style="list-style-type: none"> • HTTPS: <ul style="list-style-type: none"> ○ The appliance supports HTTP2 over TLS ALPN. • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance accepts any client's HTTP/1.1 request for upgrading the connection to HTTP/2. The client and the NetScaler appliance starts communicating using HTTP/2 after the client receives the upgrade confirmation response. • Direct HTTP/2. Does not work. • Direct HTTP/2 using Alternative Service. Does not work. 	<ul style="list-style-type: none"> • HTTPS: <ul style="list-style-type: none"> ○ The appliance supports HTTP2 over TLS ALPN. • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance sends HTTP/1.1 request to the server for upgrading the connection to HTTP/2. If the server supports HTTP/2, the server accepts the upgrade request and notifies it in its response. The NetScaler appliance and the server start communicating using HTTP/2 after the client receives the upgrade confirmation response. • Direct HTTP/2. Does not work. • Direct HTTP/2 using Alternative Service. Does not work.
Enabled	Disabled	Enabled	<ul style="list-style-type: none"> • HTTPS: <ul style="list-style-type: none"> ○ The appliance supports HTTP2 over TLS ALPN. • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance accepts any client's HTTP/1.1 request for upgrading the connection to HTTP/2. The client and the NetScaler appliance starts communicating using 	<ul style="list-style-type: none"> • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance sends HTTP/1.1 request to the server for upgrading the connection to HTTP/2. If the server supports HTTP/2, the server accepts the upgrade request and notifies it in its response. The

			<p>HT T P/2 after the client receives the upgrade confirmation response.</p> <ul style="list-style-type: none"> • Direct HTTP/2. Does not work. • Direct HTTP/2 using Alternative Service. Does not work because Direct HTTP/2 option is disabled. 	<p>NetScaler appliance and the server start communicating using HTTP/2 after the client receives the upgrade confirmation response.</p> <ul style="list-style-type: none"> • Direct HTTP/2. Does not work. • Direct HTTP/2 using Alternative Service. The NetScaler appliance sends a direct HT T P/2 request to the server after the server advertised that it supports HT T P/2 in the (ALT -SVC) field in its HT T P/1.1 responses to the appliance. The appliance and the server start communicating using HTTP/2. Note: The direct HTTP/2 using Alternative Service method works even if the Direct HTTP/2 option is disabled. On the client side, this method does not work if the Direct HTTP/2 option is disabled.
Enabled	Enabled	Disabled	<ul style="list-style-type: none"> • HTTPS: <ul style="list-style-type: none"> ○ The appliance supports HTTP2 over TLS ALPN. • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance accepts any client’s HT T P/1.1 request for upgrading the connection to HTTP/2. The client and the NetScaler appliance starts communicating using HTTP/2 after the client receives the upgrade confirmation response NetScaler appliance accepts any direct HTTP/2 requests from a client even without any prior HTTP/2 upgrade request from the client. The client 	<ul style="list-style-type: none"> • HTTPS: <ul style="list-style-type: none"> ○ The appliance supports HTTP2 over TLS ALPN. • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance sends HT T P/1.1 request to the server for upgrading the connection to HTTP/2. If the server supports HTTP/2, the server accepts the upgrade request and notifies it in its response. The NetScaler appliance and the server start communicating using HTTP/2 after the client receives the upgrade confirmation response. • Direct HTTP/2. The NetScaler appliance directly starts communicating to a server in

			<p>and the appliance directly start communicating using HTTP/2.</p> <ul style="list-style-type: none"> • Direct HTTP/2 using Alternative Service. Does not work. 	<p>HTTP/2 instead of using the HTTP/2 upgrade. If the server does not support HTTP/2 or is not configured to directly accept HTTP/2 requests, it drops the HTTP/2 requests from the appliance.</p> <p>Direct HTTP/2 using Alternative Service. Does not work</p>
Enabled	Enabled	Enabled	<ul style="list-style-type: none"> • HTTPS: <ul style="list-style-type: none"> ○ The appliance supports HTTP2 over TLS ALPN. • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance accepts any client's HTTP/1.1 request for upgrading the connection to HTTP/2. The client and the NetScaler appliance starts communicating using HTTP/2 after the client receives the upgrade confirmation response. • Direct HTTP/2. Does not work. • Direct HTTP/2 using Alternative Service. The NetScaler appliance advertises that it supports HTTP/2 by including an Alternative Service (ALT - SVC) field in its HTTP/1.1 response to a client. If the client is configured to understand the ALT -SVC field, the client can opt to communicate using direct HTTP/2 with NetScaler appliance after the client receives the response. 	<ul style="list-style-type: none"> • HTTPS: <ul style="list-style-type: none"> ○ The appliance supports HTTP2 over TLS ALPN. • HTTP: <ul style="list-style-type: none"> ○ HTTP/2 Upgrade. The NetScaler appliance sends HTTP/1.1 request to the server for upgrading the connection to HTTP/2. If the server supports HTTP/2, the server accepts the upgrade request and notifies it in its response. The NetScaler appliance and the server start communicating using HTTP/2 after the client receives the upgrade confirmation response. • Direct HTTP/2. The NetScaler appliance directly starts communicating to a server in HTTP/2 instead of using the HTTP/2 upgrade. If the server does not support HTTP/2 or is not configured to directly accept HTTP/2 requests, it drops the HTTP/2 requests from the appliance. • Direct HTTP/2 using Alternative Service. This method does not apply because the NetScaler appliance will already have used the Direct HTTP/2

				<p>method before the server advertises to the appliance that it supports HTTP/2. Though the NetScaler appliance saves ALT-SVC information from server's responses.</p>
--	--	--	--	--