

Expression Prefix	Operator descriptions and reference topics
CLIENT.ETHER	" Prefixes for MAC Addresses. " " Operations for MAC Addresses. "
CLIENT.ETHER.[DSTMAC SRCMAC]	Prefixes for MAC Addresses. " " Operations for MAC Addresses. "
CLIENT.INTERFACE	Designates an expression that refers to the ID of the network interface through which the current packet entered the Application Switch. See the other CLIENT.INTERFACE pre fix descriptions in this table.
CLIENT.INTERFACE.ID	Extracts the ID of the network interface that received the current packet of data. See the other CLIENT.INTERFACE pre fix descriptions in this table.
CLIENT.INTERFACE.ID.EQ("id")	Returns Boolean TRUE if the interface's ID matches the ID that is passed as the argument. For example: CLIENT.INTERFACE.ID.EQ("1/1") See " Booleans in Compound Expressions. "
CLIENT.INTERFACE.[RXTHROU GHPUT RXTXTHROUGHPUT TXTHROUGHPUT]	" Expressions for Numeric Client and Server Data. " " Compound Operations for Numbers. "
CLIENT.IP	Operates on the IP protocol data associated with the current packet.
CLIENT.IP.DST	" Prefixes for IPV4 Addresses and IP Subnets. " " Operations for IPV4 Addresses. " " Compound Operations for Numbers. "
CLIENT.IP.DST	" Prefixes for IPV4 Addresses and IP Subnets. " " Operations for IPV4 Addresses. " " Compound Operations for Numbers. "
CLIENT.IPV6	Operates on IPv6 protocol data.
CLIENT.IPV6.DST	" Expression Prefixes for IPv6 Addresses. " " Operations for IPv6 Prefixes. "
CLIENT.IPV6.SRC	" Expression Prefixes for IPv6 Addresses. " " Operations for IPv6 Prefixes. "
CLIENT.SSL	Operates on the SSL protocol data for the current packet.
CLIENT.SSL.CIPHER_BITS	" Prefixes for Numeric Data in SSL Certificates. " " Compound Operations for Numbers. "
CLIENT.SSL.CIPHER_EXPORTA BLE	" Prefixes for Text-Based SSL and Certificate Data. " " Booleans in Compound Expressions. "
CLIENT.SSL.CLIENT_CERT	" Expressions for SSL Certificates. " " Expressions for SSL Certificate Dates. "
CLIENT.SSL.IS_SSL	" Prefixes for Text-Based SSL and Certificate Data. " " Booleans in Compound Expressions. "
CLIENT.SSL.VERSION	" Prefixes for Numeric Data in SSL Certificates. " " Compound Operations for Numbers. "
CLIENT.TCP	Operates on TCP protocol data.

CLIENT.TCP.[DSTPORT MSS SRCPORT]	" Expressions for TCP, UDP, and VLAN Data. " " Compound Operations for Numbers. "
CLIENT.TCP.PAYLOAD(integer)	" Expressions for TCP, UDP, and VLAN Data. " " Default Syntax Expressions: Evaluating Text. "
CLIENT.UDP	Operates on the UDP protocol data associated with the current packet.
CLIENT.UDP.DNS.DOMAIN	" Expressions for TCP, UDP, and VLAN Data. " " Default Syntax Expressions: Evaluating Text. "
CLIENT.UDP.DNS.DOMAIN.EQ("hostname")	" Expressions for TCP, UDP, and VLAN Data. " " Booleans in Compound Expressions. "
CLIENT.UDP.DNS. [IS_AAAAREC IS_ANYREC IS_AREC IS_CNAMEREC IS_MXREC IS_NSREC IS_PTRREC IS_SOAREC IS_SRVREC]	" Expressions for TCP, UDP, and VLAN Data. " " Booleans in Compound Expressions. "
CLIENT.UDP.[DSTPORT SRCPORT]	" Expressions for TCP, UDP, and VLAN Data. " " Compound Operations for Numbers. "
CLIENT.VLAN	Operates on the VLAN through which the current packet entered the NetScaler.
CLIENT.VLAN.ID	" Expressions for TCP, UDP, and VLAN Data. " " Compound Operations for Numbers. "
HTTP.REQ	Operations on HTTP requests.
HTTP.REQ.BODY(integer)	" Expression Prefixes for Text in HTTP Requests and Responses. " " Basic Operations on Text. "
HTTP.REQ.CACHE_CONTROL	" Prefixes for Cache-Control Headers. " " Operations for Cache-Control Headers. "
HTTP.REQ.CONTENT_LENGTH	" Expressions for Numeric HTTP Payload Data Other Than Dates. " " Compound Operations for Numbers. "
HTTP.REQ.COOKIE	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. " " Default Syntax Expressions: Evaluating Text. "
HTTP.REQ.DATE	" Compound Operations for Numbers. " " Operations for HTTP Headers. " " Format of Dates and Times in an Expression. " " Expressions for HTTP Request and Response Dates. " " Default Syntax Expressions: Evaluating Text. "
HTTP.REQ.HEADER("header_name")	Expression Prefixes for Text in HTTP Requests and Responses. " " Prefixes for HTTP Headers. " " Operations for HTTP Headers. "
HTTP.REQ.FULL_HEADER("header_name")	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. "
HTTP.REQ.HOSTNAME	" Expression Prefixes for Text in HTTP Requests and Responses. "
HTTP.REQ.HOSTNAME.[DOMAIN Server]	" Expression Prefixes for Text in HTTP Requests and Responses. " " Basic Operations on Text. "
HTTP.REQ.HOSTNAME.EQ("hostname")	" Expression Prefixes for Text in HTTP Requests and Responses. " " Booleans in Compound

	Expressions. " Basic Operations on Expression Prefix. "
HTTP.REQ.HOSTNAME.PORT	" Expression Prefixes for Text in HTTP Requests and Responses. " " Compound Operations for Numbers. "
HTTP.REQ.IS_VALID	Returns TRUE if the HTTP request is properly formed. See " Booleans in Compound Expressions. "
HTTP.REQ.METHOD	Expression Prefixes for Text in HTTP Requests and Responses. " Basic Operations on Text. " " Complex Operations on Text. "
HTTP.REQ.TRACKING	Returns the HTTP body tracking mechanism. See the descriptions of other HTTP.REQ.TRACKING prefixes in this table.
HTTP.REQ.TRACKING.EQ("tracking_mechanism")	Returns TRUE or FALSE. See " Booleans in Compound Expressions. "
HTTP.REQ.URL	Obtains the HTTP URL object from the request and sets the text mode to URLENCODED by default. See " Expression Prefixes for Text in HTTP Requests and Responses. "
HTTP.REQ.URL.[CVPN_ENCODE HOSTNAME HOSTNAME.DOMAIN SERVER PATH PATH_AND_QUERY PROTOCOL QUERY SUFFIX VERSION]	" Expression Prefixes for Text in HTTP Requests and Responses. " " Basic Operations on Text. " " Complex Operations on Text. "
HTTP.REQ.URL.HOSTNAME.EQ("hostname")	" Expression Prefixes for Text in HTTP Requests and Responses. ". " Booleans in Compound Expressions. "
HTTP.REQ.URL.HOSTNAME.PORT	" Compound Operations for Numbers. " " Expression Prefixes for Text in HTTP Requests and Responses. ".
HTTP.REQ.URL.PATH.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. See the table " HTTP Expression Prefixes that Return Text. "
HTTP.REQ.URL.QUERY.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. See the table " HTTP Expression Prefixes that Return Text. "
HTTP.REQ.USER.IS_MEMBER_OF	" HTTP Expression Prefixes that Return Text. "
HTTP.REQ.USER.NAME	" HTTP Expression Prefixes that Return Text. "
HTTP.REQ.VERSION	" Expression Prefixes for Text in HTTP Requests and Responses. "
HTTP.REQ.VERSION.[MAJOR MINOR]	Operates on the major or minor HTTP version string. See " Expression Prefixes for Text in HTTP Requests and Responses. " and " Compound Operations for Numbers. "
HTTP.RES	Operates on HTTP responses.
HTTP.RES.BODY(integer)	" Expression Prefixes for Text in HTTP Requests and Responses. " " Basic Operations on Text. " " Complex Operations on Text. "
HTTP.RES.CACHE_CONTROL	" Prefixes for Cache-Control Headers. "

HTTP.RES.CONTENT_LENGTH	" Expression Prefixes for Text in HTTP Requests and Responses. " " Operations for HTTP Headers. " " Compound Operations for Numbers. "
HTTP.RES.DATE	" Format of Dates and Times in an Expression. " " Expressions for HTTP Request and Response Dates. " " Expression Prefixes for Text in HTTP Requests and Responses " " Compound Operations for Numbers. " " Operations for HTTP Headers. "
HTTP.RES.HEADER("header_name")	" Expression Prefixes for Text in HTTP Requests and Responses. " " Prefixes for Operations for HTTP Headers. " " Operations for HTTP Headers "
HTTP.REQ.FULL_HEADER("header_name")	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. "
HTTP.REQ.TXID	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. "
HTTP.RES.IS_VALID	Returns TRUE if the HTTP response is properly formed. See " Booleans in Compound Expressions. "
HTTP.RES.SET_COOKIE	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. " " Default Syntax Expressions: Evaluating Text. "
HTTP.RES.SET_COOKIE.COOKIE("name")	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. " " Default Syntax Expressions: Evaluating Text. "
HTTP.RES.SET_COOKIE.COOKIE.[DOMAIN PATH PORT]	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. " " Default Syntax Expressions: Evaluating Text. "
HTTP.RES.SET_COOKIE.COOKIE.EXPIRES	Obtains the Expires field of the cookie as a date string. The value of the Expires attribute can be operated upon as a time object. If multiple Expires fields are present, this expression operates on the first one. If the Expires attribute is absent, a string of length zero is returned. Also see: " Prefixes for HTTP Headers. " " Operations for HTTP Headers. " " Default Syntax Expressions: Evaluating Text. " " Compound Operations for Numbers. "
HTTP.RES.SET_COOKIE.COOKIE.PATH.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table " Expression Prefixes for Text in HTTP Requests and Responses. "
HTTP.RES.SET_COOKIE.COOKIE.PORT.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table " HTTP Expression Prefixes that Return Text. "
HTTP.RES.SET_COOKIE.COOKIE.VERSION	" Prefixes for HTTP Headers. " " Compound Operations for Numbers. "
HTTP.RES.SET_COOKIE.COOKIE("name",integer).[PORT PATH DOMAIN VERSION EXPIRES]	" Prefixes for HTTP Headers. " " Default Syntax Expressions: Evaluating Text. "

HTTP.RES.SET_COOKIE.COOKIE.EXPIRES	"Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text." "Compound Operations for Numbers."
HTTP.RES.SET_COOKIE.EXISTS("name")	"Prefixes for HTTP Headers" Booleans in Compound Expressions."
HTTP.RES.SET_COOKIE2	"Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text."
HTTP.RES.SET_COOKIE2.COOKIE("name")	"Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text."
HTTP.RES.SET_COOKIE2.COOKIE.[DOMAIN PATH PORT]	"Prefixes for HTTP Headers." "Operations for HTTP Headers." Default Syntax Expressions: Evaluating Text."
HTTP.RES.SET_COOKIE2.COOKIE.EXPIRES	Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text." "Compound Operations for Numbers."
HTTP.RES.SET_COOKIE2.COOKIE.PATH.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table "HTTP Expression Prefixes that Return Text."
HTTP.RES.SET_COOKIE2.COOKIE.PORT.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table "HTTP Expression Prefixes that Return Text." See also "Default Syntax Expressions: Evaluating Text" and "Compound Operations for Numbers."
HTTP.RES.SET_COOKIE2.COOKIE("name",integer).[PORT PATH DOMAIN VERSION EXPIRES]	Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text."
HTTP.RES.SET_COOKIE2.COOKIE.DOMAIN	"Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text."
HTTP.RES.SET_COOKIE2.COOKIE.EXPIRES	Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text." "Compound Operations for Numbers."
HTTP.RES.SET_COOKIE2.COOKIE.VERSION	"Prefixes for HTTP Headers." "Operations for HTTP Headers." "Default Syntax Expressions: Evaluating Text." "Compound Operations for Numbers."
HTTP.RES.SET_COOKIE2.EXISTS("name")	"Prefixes for HTTP Headers." "Operations for HTTP Headers." "Booleans in Compound Expressions."
HTTP.RES.STATUS	"Expression Prefixes for Text in HTTP Requests and Responses." "Compound Operations for Numbers."
HTTP.RES.STATUS_MSG	"Expression Prefixes for Text in HTTP Requests and Responses."

HTTP.RES.TRACKING	Returns the HTTP body tracking mechanism. See the descriptions of other HTTP.REQ.TRACKING prefixes in this table.
HTTP.RES.TRACKING.EQ("tracking_method")	Returns TRUE or FALSE. See " Booleans in Compound Expressions. "
HTTP.RES.TXID	" Prefixes for HTTP Headers. " " Operations for HTTP Headers. "
HTTP.RES.VERSION	" Expression Prefixes for Text in HTTP Requests and Responses. "
HTTP.RES.VERSION.[MAJOR MINOR]	Operates on the major or minor HTTP version string. See " Expression Prefixes for Text in HTTP Requests and Responses " and " Compound Operations for Numbers. "
SERVER	Designates an expression that refers to the server. This is the starting point for access to parameters such as Ether and SSL. See the other SERVER prefixes in this table.
SERVER.ETHER	Operates on the Ethernet protocol data associated with the current packet. See the other SERVER prefixes in this table.
SERVER.ETHER.DSTMAC	" Prefixes for MAC Addresses. "
SERVER.INTERFACE	Designates an expression that refers to the ID of the network interface that received the current packet of data. See the other SERVER.INTERFACE prefixes in this table.
SERVER.INTERFACE.ID.EQ("id")	Returns Boolean TRUE if the interface's ID matches the ID that is passed as the argument. For example: SERVER.INTERFACE.ID.EQ("LA/1") See " Booleans in Compound Expressions. "
SERVER.INTERFACE.[RXTHROUGHPUT RXTXTHROUGHPUT TXTHROUGHPUT]	" Expressions for Numeric Client and Server Data " " Compound Operations for Numbers. "
SERVER.IP	Operates on the IP protocol data associated with the current packet. See the other SERVER.IP prefixes in this table.
SERVER.IP.[DST SRC]	Prefixes for IPV4 Addresses and IP Subnets." "Operations for IPV4 Addresses." " Compound Operations for Numbers. "
SERVER.IPV6	Operates on IPv6 protocol data. See the other SERVER.IPV6 prefixes in this table.
SERVER.IPV6.DST	" Prefixes for IPV4 Addresses and IP Subnets. "
SERVER.IPV6.SRC	" Prefixes for IPV4 Addresses and IP Subnets. " "
SERVER.TCP	Operates on TCP protocol data.
SERVER.TCP.[DSTPORT MSS SRCPORT]	" Expressions for TCP, UDP, and VLAN Data. " " Compound Operations for Numbers. "
SERVER.VLAN	Operates on the VLAN through which the current packet entered the NetScaler. See the other SERVER.VLAN prefixes in this table.

SERVER.VLAN.ID	Expressions for TCP, UDP, and VLAN Data. "Compound Operations for Numbers."
SYS	Designates an expression that refers to the NetScaler itself, not to the client or server. See the other SYS prefixes in this table.
SYS.EVAL_CLASSIC_EXPR(classic_expression)	"Booleans in Compound Expressions." "IPIP."
SYS.HTTP_CALLOUT(http_callout)	"HTTP Callouts."
SYS.CHECK_LIMIT	"Rate Limiting."
SYS.TIME	"Expressions for the NetScaler System Time." "Compound Operations for Numbers."
SYS.TIME.[BETWEEN(time1, time2) EQ(time) GE(time) GT(time) LE(time) LT(time) WITHIN(time1, time2)]	"Expressions for the NetScaler System Time." "Booleans in Compound Expressions." "Compound Operations for Numbers."
SYS.TIME.[DAY HOURS MINUTES MONTH RELATIVE_BOOT RELATIVE_NOW SECONDS WEEKDAY YEAR]	Expressions for the NetScaler System Time." "Compound Operations for Numbers."
SYS.RANDOM	Returns a random number between 0 and 1, inclusive of 0 but exclusive of 1
VPN.BASEURL.[CVPN_DECODE CVPN_ENCODE HOSTNAME HOSTNAME.DOMAIN HOSTNAME.SERVER PATH PATH_AND_QUERY PROTOCOL QUERY SUFFIX]	"Expression Prefixes for VPNs and Clientless VPNs."
VPN.BASEURL.HOSTNAME.EQ("hostname")	"Expression Prefixes for VPNs and Clientless VPNs." "Booleans in Compound Expressions."
VPN.BASEURL.HOSTNAME.PORT	"Expression Prefixes for VPNs and Clientless VPNs." "Compound Operations for Numbers."
VPN.BASEURL.PATH.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table "HTTP Expression Prefixes that Return Text."
VPN.BASEURL.QUERY.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table "HTTP Expression Prefixes that Return Text."
VPN.CLIENTLESS_BASEURL	"Expression Prefixes for VPNs and Clientless VPNs."
VPN.CLIENTLESS_BASEURL.[CVPN_DECODE CVPN_ENCODE HOSTNAME HOSTNAME.DOMAIN HOSTNAME.SERVER PATH PATH_AND_QUERY PROTOCOL QUERY SUFFIX]	"Expression Prefixes for VPNs and Clientless VPNs."
VPN.CLIENTLESS_BASEURL.HOSTNAME.EQ("hostname")	"Expression Prefixes for VPNs and Clientless VPNs." "Booleans in Compound Expressions."
VPN.CLIENTLESS_BASEURL.HOSTNAME.PORT	"Expression Prefixes for VPNs and Clientless VPNs." "Compound Operations for Numbers."
VPN.CLIENTLESS_BASEURL.PATH.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table "HTTP Expression Prefixes that Return Text" .

VPN.CLIENTLESS_BASEURL.QUERY.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table " HTTP Expression Prefixes that Return Text. "
VPN.CLIENTLESS_HOSTURL	" Expression Prefixes for VPNs and Clientless VPNs. "
VPN.CLIENTLESS_HOSTURL.[CVPN_DECODE CVPN_ENCODE HOSTNAME HOSTNAME.DOMAIN HOSTNAME.SERVER PATH PATH_AND_QUERY PROTOCOL QUERY SUFFIX]	" Expression Prefixes for VPNs and Clientless VPNs. "
VPN.CLIENTLESS_HOSTURL.HOSTNAME.EQ("hostname")	" Expression Prefixes for VPNs and Clientless VPNs. " " Booleans in Compound Expressions "
VPN.CLIENTLESS_HOSTURL.HOSTNAME.PORT	" Expression Prefixes for VPNs and Clientless VPNs. " " Compound Operations for Numbers. "
VPN.CLIENTLESS_HOSTURL.PATH.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table " HTTP Expression Prefixes that Return Text. "
VPN.CLIENTLESS_HOSTURL.QUERY.IGNORE_EMPTY_ELEMENTS	Ignores spaces in the data. For an example, see the table " HTTP Expression Prefixes that Return Text. "
VPN.HOST	" Expression Prefixes for VPNs and Clientless VPNs. "
VPN.HOST.[DOMAIN Server]	" Expression Prefixes for VPNs and Clientless VPNs. "
VPN.HOST.EQ("hostname")	" Booleans in Compound Expressions ".
VPN.HOST.PORT	" Expression Prefixes for VPNs and Clientless VPNs. " " Default Syntax Expressions: Evaluating Text. " " Compound Operations for Numbers. "