

Deprecated Functionality	Alternative Functionality	Alternative command/configuration/operation
SPDY	HT T P/2	Command: set httpProfile <profilename> -http2 ENABLED Ref page: <a href="https://docs.citrix.com/en-us/netScaler/12/system/httpconfigurations/configuring-http2.html">https://docs.citrix.com/en-us/netScaler/12/system/httpconfigurations/configuring-http2.html</a>
SureConnect (SC)	AppQoE	Configuration: # set session life [Global] set appqoe parameter -sessionLife 300 # bind point is LB vserver only, doesn't work on service level like SC # AppQoE use case example (traffic classification and loading screen)  Ref page: <a href="https://docs.citrix.com/en-us/netScaler/12/appexpert/appqoe.html">https://docs.citrix.com/en-us/netScaler/12/appexpert/appqoe.html</a> For more information, see AppQoE Use Cases topic.
Priority Queuing (PQ)	AppQoE	# enable vserver level queueing set appqoe parameter -avgwaitingclient 10 # setting PQ like actions, qDepth and polqDepth are present as well to configure add appqoe action PRI_MEDIUM -priority MEDIUM add appqoe action PRI_HIGH -priority HIGH -priqDepth 1000 add appqoe action PRI_LOW -priority LOW -polqDepth 1000 # four levels of priorities are present : HIGH, LOW, LOWEST, MEDIUM # bind point LB vserver only add appqoe policy text_medium -rule "HT T P.REQ.URL.PAT H.CONTAINS(\".html\")" -action PRI_MEDIUM add appqoe policy image_medium -rule "HT T P.REQ.URL.PAT H.CONTAINS(\".jpg\")" -action PRI_MEDIUM bind lb vserver v2 -policyName text_medium -priority 1 bind lb vserver v2 -policyName image_medium -priority 2  Ref page: <a href="https://docs.citrix.com/en-us/netScaler/12/appexpert/appqoe.html">https://docs.citrix.com/en-us/netScaler/12/appexpert/appqoe.html</a>
HTTP Denial of Service Protection (HDoSP)	AppQOE	Configuration: enable AppQOE feature set appqoe parameter -dosAttackT hresh 100 set appqoe parameter -avgwaitingclient 100 set appqoe parameter -MaxAltRespBandWidth 100 add appqoe action DOS_SIMPLE -dosAction simpleResponse add appqoe policy POL_DOS_SIMPLE -rule "ANALYT ICS.ST REAM(\"Top_URL\").IS_TOP_FREQUENT S(10)" -action DOS_SIMPLE bind lb vserver v1 -policyName POL_DOS_SIMPLE -priority 3 Ref page: <a href="https://docs.citrix.com/en-us/netScaler/12/appexpert/appqoe.html">https://docs.citrix.com/en-us/netScaler/12/appexpert/appqoe.html</a>
HTML Injection	AppFlow with Client Side Measurements	Configuration Steps: 1. enable feature AppFlow 2. add appflow action with clientside measurements enabled

		<p>3. add appflow action Appflow_act1 -collectors collector_1 - clientSideMeasurements ENABLED</p> <p>4. add appflow policy with this action and bind to vserver/AppFlow global.</p> <p>Ref page:  <a href="https://docs.citrix.com/en-us/netscaler/12/ns-ag-appflow-intro-wrappercon.html">https://docs.citrix.com/en-us/netscaler/12/ns-ag-appflow-intro-wrappercon.html</a></p>
Filter	<p>1. RESET /DROP on request side,</p> <p>2. ERRORCODE;</p> <p>3. RESET /DROP on response side,</p> <p>4. ADD/CORRUPT</p> <p>5. FORWARD</p>	<p>Filter actions:</p> <ol style="list-style-type: none"> <li>1. Use Responder RESET /DROP</li> <li>2. Use Responder RESPONDWITH or REDIRECT</li> <li>3. Use Rewrite RESET /DROP</li> <li>4. Use Rewrite INSERT_HTTP_HEADER/CORRUPT_HTTP_HEADER</li> <li>5. Use CS policy and action that select appropriate LB Vserver that can select that service.</li> </ol> <p>Note: Everything is done using Advanced policies.</p> <p>Ref pages:  Responder: <a href="https://docs.citrix.com/en-us/netscaler/12/appexpert/responder.html">https://docs.citrix.com/en-us/netscaler/12/appexpert/responder.html</a>  Rewrite: <a href="https://docs.citrix.com/en-us/netscaler/12/appexpert/rewrite.html">https://docs.citrix.com/en-us/netscaler/12/appexpert/rewrite.html</a></p>
Q and S prefixes in Advanced expressions	HTTP.REQ and HTTP.RES	<p>Ref pages:  <a href="https://docs.citrix.com/en-us/netscaler/12/appexpert/policies-andexpressions/ns-pi-adv-expr-ref.html">https://docs.citrix.com/en-us/netscaler/12/appexpert/policies-andexpressions/ns-pi-adv-expr-ref.html</a></p>
Pattern function in Rewrite action	-search Rewrite action parameter	<p>Ref page:  <a href="https://docs.citrix.com/en-us/netscaler/12/appexpert/rewrite/configuring-rewrite-action.html">https://docs.citrix.com/en-us/netscaler/12/appexpert/rewrite/configuring-rewrite-action.html</a></p>
AAA preauthentication policy	Nfactor authentication (advanced EPA policy)	<p>Add authentication epaaction EPA_ACT</p> <p>add authentication policy epa1 -rule true -action EPA_ACT</p> <p>Ref page: <a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/multi-factor-nfactor-authentication.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/multi-factor-nfactor-authentication.html</a></p>
nsrised (Rise daemon)	NA	NA

The following table is a list of features using Classic policy expressions that are deprecated and its alternative Advanced expression. As a general note, Classic Policy Engine (CPE) is deprecated and its alternative, Advanced policy infrastructure is used. For more information, see [Configuring Advanced Policy Infrastructure](#) topic.

<b>Deprecated Policy</b>	<b>Alternative Functionality</b>	<b>Alternative command/configuration/operation</b>
Application Firewall Classic policy	Application Firewall Advanced policy	<a href="https://docs.citrix.com/en-us/netscaler/12/applicationfirewall/configuring-application-firewall/using-cli.html">https://docs.citrix.com/en-us/netscaler/12/applicationfirewall/configuring-application-firewall/using-cli.html</a>
Compression Classic policy	Compression Advanced policy	<a href="https://docs.citrix.com/en-us/netscaler/12/optimization/httpcompression/configuring-http-compression.html">https://docs.citrix.com/en-us/netscaler/12/optimization/httpcompression/configuring-http-compression.html</a>
Classic cache redirection policy	Advanced redirection policies	<a href="https://docs.citrix.com/en-us/netscaler/12/netscaler-cache-redirectiongen-wrapper-10-con/cache-redirection-policies/configure-cacheredirection-policies.html">https://docs.citrix.com/en-us/netscaler/12/netscaler-cache-redirectiongen-wrapper-10-con/cache-redirection-policies/configure-cacheredirection-policies.html</a>
Content Switching Classic policy	Content Switching Advanced policy	<a href="https://docs.citrix.com/en-us/netscaler/12/content-switching/basicconfiguration/configure-policies.html">https://docs.citrix.com/en-us/netscaler/12/content-switching/basicconfiguration/configure-policies.html</a>
SSL Classic policy	Content Switching Advanced policy	<a href="https://docs.citrix.com/en-us/netscaler/12/ssl/config-ssl-actionspolicies/config-default-syntax-policy.html">https://docs.citrix.com/en-us/netscaler/12/ssl/config-ssl-actionspolicies/config-default-syntax-policy.html</a>
Audit SYSLOG Policy	Advanced Audit SYSLOG Policy	<a href="https://docs.citrix.com/en-us/netscaler/12/system/auditlogging/configuring-audit-logging.html">https://docs.citrix.com/en-us/netscaler/12/system/auditlogging/configuring-audit-logging.html</a>
Audit NSLOG policy	Advanced Audit NSLOG Policy	<a href="https://docs.citrix.com/en-us/netscaler/12/system/auditlogging/configuring-audit-logging.html">https://docs.citrix.com/en-us/netscaler/12/system/auditlogging/configuring-audit-logging.html</a>
Authentication local policy	Advanced Authentication policy (“add authentication Policy”)	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-tsk/ns-aaa-setup-policiesauthntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-tsk/ns-aaa-setup-policiesauthntcn-advanced-tsk.html</a>
RADIUS Authentication policy	Advanced Authentication policy (“add authentication Policy”)	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-tsk/ns-aaa-setup-policiesauthntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-tsk/ns-aaa-setup-policiesauthntcn-advanced-tsk.html</a>
LDAP Authentication policy	Advanced Authentication policy (“add authentication Policy”)	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-tsk/ns-aaa-setup-policiesauthntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-tsk/ns-aaa-setup-policiesauthntcn-advanced-tsk.html</a>
Authentication	Advanced Authentication policy (“add authentication	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/</a>

Certification (cert) policy	Policy")	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-setup-policies-authntcn-advanced-tsk.html">ns-aaa-setup-policies-authntcn-advanced-tsk.html</a>
TACACS Authentication policy	Advanced Authentication policy ("add authentication Policy")	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html</a>
Authentication negotiate policy	Advanced Authentication policy ("add authentication Policy")	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html</a>
SAML Authentication policy	Advanced Authentication policy ("add authentication Policy")	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html</a>
Delegation Forms Authentication (DFA) policy	Advanced Authentication policy ("add authentication Policy")	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html</a>
Web authentication Policy	Advanced Authentication policy ("add authentication Policy")	<a href="https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html">https://docs.citrix.com/en-us/netscaler/12/aaa-tm/configure-aaapolicies/ns-aaa-setup-policies-authntcn-advanced-tsk.html</a>
Authorization policy	Advanced Authorization policy	<a href="https://docs.citrix.com/en-us/netscaler-gateway/12/authenticationauthorization/configure-authorization/ng-authorize-config-policytsk.html">https://docs.citrix.com/en-us/netscaler-gateway/12/authenticationauthorization/configure-authorization/ng-authorize-config-policytsk.html</a>
Traffic Management session policy	Advanced Traffic Management Session Policy	<a href="https://docs.citrix.com/en-us/netscaler/12/getting-started-withnetscaler/features/switching-and-traffic-management-features.html">https://docs.citrix.com/en-us/netscaler/12/getting-started-withnetscaler/features/switching-and-traffic-management-features.html</a>
Tunnel traffic policy	Advanced Tunnel Traffic Policy	<a href="https://docs.citrix.com/en-us/netscaler-gateway/12/vpn-userconfig/how-traffic-policies-work/ng-create-traffic-policy-tsk.html">https://docs.citrix.com/en-us/netscaler-gateway/12/vpn-userconfig/how-traffic-policies-work/ng-create-traffic-policy-tsk.html</a>
VPN traffic policy	Advanced VPN Traffic Policy	<a href="https://docs.citrix.com/en-us/netscaler-gateway/12/vpn-userconfig/how-session-policies-work.html">https://docs.citrix.com/en-us/netscaler-gateway/12/vpn-userconfig/how-session-policies-work.html</a>
VPN Session policy	Advanced VPN Session Policy	<a href="https://docs.citrix.com/en-us/netscaler-gateway/12/vpn-userconfig/how-session-policies-work.html">https://docs.citrix.com/en-us/netscaler-gateway/12/vpn-userconfig/how-session-policies-work.html</a>
Trace Classic expression	Trace Advanced expression	<a href="https://developer-docs.citrix.com/projects/netscaler-commandreference/en/12.0/basic/nstrace/nstrace/">https://developer-docs.citrix.com/projects/netscaler-commandreference/en/12.0/basic/nstrace/nstrace/</a>

SYS.EVAL_CLASSIC_EXPR R Classic expression	Converting expression to advanced (replacing SYS.EVAL_CLASSIC_EXPR)	<a href="https://docs.citrix.com/en-us/netscaler/12/appexpert/policies-andexpressions/ns-pi-config-adv-expr-start-wrapper/ns-pi-class-expr-inadv-expr-con.html">https://docs.citrix.com/en-us/netscaler/12/appexpert/policies-andexpressions/ns-pi-config-adv-expr-start-wrapper/ns-pi-class-expr-inadv-expr-con.html</a>
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