

xNF communication security enhancements - Tests Description and Status

Currently VES supports authentication methods **certBasicAuth**. It is possible to run as a option **noAuth** method, however HTTP it is not supported by default.

High level test cases for auth.method = "certBasicAuth" :

TC ID	Test Case Name	Test Case Execution	Expected Result	Test Status
T01	Client with correct basic auth and correct certificate	curl -vk --cert cert.pem --key key.pem -u sample1:sample1 -X POST https://{xdcae-ves-collector_ip}:30417/eventListener/v7 -d @event.json --header "Content-Type: application/json"	PASS. HTTP/1.1 202	PASSED
T02	Client with incorrect basic auth and correct certificate	curl -vk --cert cert.pem --key key.pem -u sample1:sample2 -X POST https://{xdcae-ves-collector_ip}:30417/eventListener/v7 -d @event.json --header "Content-Type: application/json"	PASS. HTTP/1.1 202	PASSED
T03	Client without basic auth and with correct certificate	curl -vk --cert cert.pem --key key.pem -X POST https://{xdcae-ves-collector_ip}:30417/eventListener/v7 -d @event.json --header "Content-Type: application/json"	PASS. HTTP/1.1 202	PASSED
T04	Client with correct basic auth and incorrect certificate	curl -vk --cert incorrect.crt --key rootCA.key --pass collector -u sample1:sample1 -X POST https://{xdcae-ves-collector_ip}:30417/eventListener/v7 -d @event.json --header "Content-Type: application/json"	FAIL, connection closed because of bad certificate	PASSED
T05	Client with correct basic auth and without certificate	curl -vk -u sample1:sample1 -X POST https://{xdcae-ves-collector_ip}:30417/eventListener/v7 -d @event.json --header "Content-Type: application/json"	PASS. HTTP/1.1 202	PASSED
T06	Client with incorrect certificate and incorrect basic auth	curl -vk --cert incorrect.crt --key rootCA.key --pass collector -u dummy:sample1 -X POST https://{xdcae-ves-collector_ip}:30417/eventListener/v7 -d @event.json --header "Content-Type: application/json"	FAIL, connection closed because of bad authentication	PASSED
T07	Client without certificate and without basic auth	curl -vk -X POST https://{xdcae-ves-collector_ip}:30417/eventListener/v7 -d @event.json --header "Content-Type: application/json"	FAIL, HTTP/1.1 401	PASSED