###### Syslog over TLS configuration

***Objective:***

Objective is to successfully generate Syslog messages over a secure TLS session.

***Procedure:***

* Download the CA and Device Certificates:

pkix-ca install ca-cert-name SYSLOGCA remote-file-uri sftp://1.1.1.1/home/tls/certs/SyslogCA.pem login-id tls password tls pkix-certificates install cert-name SYSLOGCLIENT cert-only **false** remote- file-uri sftp://1.1.1.1/home/tls/certs/SyslogClntCert.p12 cert- passphrase ciena123 login-id tls password tls

* Then create TLS Profile configuration (can also follow TLS profile step in the document):

hello-params 'TLS\_PROFILE2' tls-versions tls-version tlscmn:tls-1.2 hello-params 'TLS\_PROFILE2' cipher-suites cipher-suite tlscmn:rsa-with- aes-256-cbc-sha

hello-params 'TLS\_PROFILE2' elliptic-curves elliptic-curve ciena-tls- types:secp256r1

tls-service-profiles TLS\_SRVR\_PROFILE2 tls-profile-name TLS\_PROFILE1 tls-service-profiles TLS\_SRVR\_PROFILE2 tls-peer-auth-profile-name PAPROFILE1

tls-service-profiles TLS\_SRVR\_PROFILE2 tls-certificate-name SYSLOGCLIENT

* Then configure Syslog:

syslog log-actions remote-syslog-tls admin-state disabled tls-service- profile "TLS\_SRVR\_PROFILE2"

syslog log-actions remote-syslog-tls destination '1.1.1.1' severity alert critical debug emergency error info notice warning

* The last step is to verify that the transport error = Success:

CN5166-0004-R203> show syslog tls statis

+--------- SYSLOG TLS SERVER STATISTICS +

| Name | Value |

+ + +

| Server Address | 1.1.1.1 |

| Oper State | enabled |

| Connection Attempts | 1 |

| Successful Connections | 1 |

| Failed-tcp Connections | 0 |

| Failed-tls Connections | 0 |

| timed-out-connections | 0 |

| Unexpected Close Connections | 0 |

| Closed Connections | 0 |

| Last Transport Error | Success |

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NOTE: for server configuration you can refer to the following confluence page. <https://confluence.ciena.com/pages/viewpage.action?pageId=614967766>

Test Case Results:

Passed: Yes No Verified by Date/Time Comments