###### Pkix and TLS- IP host list

***Objective:***

Secure TLS require PKIX ( public key infrastructure / X.509) to manage the devices private keys and CA and device certificates. New enhancement introduced in SAOS 10.4 and onwards – check IP host list (while peer authentication). Check IP host allows the user to specify which devices are allowed to connect to it. The user configures a list of acceptable IP addresses and DNSs then enables check IP host. The list is cross-referenced with either the Subject Alternate Name or the Common Name of the certificate. If it matches, then a TLS connection will be allowed.

***Procedure:***

* Add entries to ip-host-list:

pkix peer-auth-profiles peer-auth-profile <peer-auth- profile-name> ip-host-list <ip-address|hostname> <ip- address|hostname> <ip-address|hostname>

* Enable check IP/host:

pkix peer-auth-profiles peer-auth-profile <peer-auth- profile-name> check-ip-host true

* Validate with below commands

5170-208> show tls

+ TLS SERVICE PROFILES +

| Name | Value |

+ + +

| Service Profile Name | test |

| TLS Profile Name | tls-profile |

**|** Peer Auth Profile Name | https-peer-auth-profile |

| Certificate Name | testCert |

+ + +

+----------- **PEER AUTH PROFILES** +

| Name | Value |

+ + +

| Profile Name | https-peer-auth-profile |

| Check Expiry | True |

| Check IP/Host | True |

| IP/Host List | 10.121.190.169 |

+ + +

Test Case Results:

Passed: Yes No Verified by Date/Time Comments