###### SNMP v3 Trap Configuration

***Objective:***

The objective of this section is to configure SNMP v3 Trap on the SAOS cli.

***SNMPv3 Trap:***

* + - * Same as the SNMP GET parameters but additional fields are added to specify the Trap target IP.

***Procedure:***

snmp usm local user cienaNoAuthNoPrivUser exit

exit exit exit

snmp usm local user cienaAuthNoPrivUser auth md5 key 63:69:65:6e:61:41:75:74:68:4b:65:79 snmp usm local user cienaAuthPrivUser auth md5 key 63:69:65:6e:61:41:75:74:68:4b:65:79 snmp usm local user cienaAuthPrivUser priv des key 63:69:65:6e:61:50:72:69:76:4b:65:79

snmp vacm group cienaV3Group access "" usm no-auth-no-priv context-match exact notify-view cienaAll

snmp vacm group cienaV3Group access "" usm auth-no-priv context-match exact notify-view cienaAll

snmp vacm group cienaV3Group access "" usm auth-priv context-match exact notify-view cienaAll snmp vacm group cienaV3Group member cienaNoAuthNoPrivUser security-model usm

snmp vacm group cienaV3Group member cienaAuthNoPrivUser security-model usm snmp vacm group cienaV3Group member cienaAuthPrivUser security-model usm snmp target TestTarget2 target-params TestUsmNoAuthNoPriv udp ip 10.176.137.38 snmp target TestTarget2 tag TestTag

snmp target TestTarget3 target-params TestUsmAuthNoPriv udp ip 10.176.137.38 snmp target TestTarget3 tag TestTag

snmp target TestTarget4 target-params TestUsmAuthPriv udp ip 10.176.137.38 snmp target TestTarget4 tag TestTag

snmp target-params TestUsmNoAuthNoPriv usm security-level no-auth-no-priv user-name cienaNoAuthNoPrivUser

snmp target-params TestUsmAuthNoPriv usm security-level auth-no-priv user-name cienaAuthNoPrivUser

snmp target-params TestUsmAuthPriv usm security-level auth-priv user-name cienaAuthPrivUser snmp vacm view cienaAll include internet

snmp notify Test-NOTIFY tag TestTag type trap

***Output:***

* show snmp

+

SNMP NOTIFY +

| Notification Name | Notification Tag | Notification Type |

+ + + +

| Test-NOTIFY | TestTag | trap |

+ + +

+

+

SNMP USM +

| User Name | Type | Auth Protocol | Priv Protocol | Engine ID |

+ + + + + +

| cienaNoAuthNoPrivUser | local | | | 80:00:05:23:01:0A:78:67:F8:00:00 |

| cienaAuthNoPrivUser | local | md5 | | 80:00:05:23:01:0A:78:67:F8:00:00 |

| cienaAuthPrivUser | local | md5 | des | 80:00:05:23:01:0A:78:67:F8:00:00 |

+ + +

+

+ + +

SNMP TARGET-PARAMS +

| Target Param Name | Security Name | User Name | Security Model | Security Level |

+ + + + + +

| TestUsmNoAuthNoPriv | | cienaNoAuthNoPrivUser | usm | no-auth-no-priv |

| TestUsmAuthNoPriv | | cienaAuthNoPrivUser | usm | auth-no-priv |

| TestUsmAuthPriv | | cienaAuthPrivUser | usm | auth-priv |

+ + +

+

+ + +

SNMP TARGET +

| Target Name | IP Address | Param Name | Tags | UDP Port | Retry Count | Timeout | Prefix Length |

+ + + + + + + + +

| TestTarget2 | 10.176.137.38 | TestUsmNoAuthNoPriv | TestTag | 162 | 3 | 1500 | 32 |

| TestTarget3 | 10.176.137.38 | TestUsmAuthNoPriv | TestTag | 162 | 3 | 1500 | 32 |

| TestTarget4 | 10.176.137.38 | TestUsmAuthPriv | TestTag | 162 | 3 | 1500 | 32 |

+ + +

+ SNMP VACM VIEW +

+ + + + + +

| Viewtree Name | Subtree | Type |

+ + + +

| cienaAll | internet | include |

+ + + +

+ SNMP VACM GROUP MEMBER +

| Group Name | Security Model | Security Name |

+ + + +

| cienaV3Group | usm | cienaNoAuthNoPrivUser |

| cienaV3Group | usm | cienaAuthNoPrivUser |

| cienaV3Group | usm | cienaAuthPrivUser |

+ + +

+

+

SNMP VACM GROUP ACCESS +

| Group Name | Context | Context Match | Security Model | Security Level | Read View | Notify View |

+ + + + + + + +

| cienaV3Group | | exact | usm | no-auth-no-priv | | cienaAll |

| cienaV3Group | | exact | usm | auth-no-priv | | cienaAll |

| cienaV3Group | | exact | usm | auth-priv | | cienaAll |

+ + + + + + + +

***Test Case Results:***

Passed: Yes No Verified by Date/Time Comments