###### **SNMP Configuration - CLI**

***Objective:***

The objective of this section is to configure SNMP v1, v2c and v3 on the SAOS cli.

***SNMP v1 Get:***

* + - * Configure a community of your choice for authentication.
      * Define the MIB views and set the read access permissions.
      * Finally set the security model as v1 for setting up SNMPv1.

***Procedure:***

snmp community t0 security-name cienaSecurityV1 text-name cienaV1Community snmp vacm view cienaAll include internet

snmp vacm group cienaGroup access "" v1 no-auth-no-priv context-match exact read-view cienaAll snmp vacm group cienaGroup member cienaSecurityV1 security-model v1

***Output:***

* show snmp

+

SNMP COMMUNITY +

| Community Index | Community Name | Security Name | Transport Tag |

+ + + + +

| t0 | cienaV1Community | cienaSecurityV1 | |

+ + + + +

+ SNMP VACM VIEW +

| Viewtree Name | Subtree | Type |

+ + + +

| cienaAll | internet | include |

+ + + +

+------------ SNMP VACM GROUP MEMBER +

| Group Name | Security Model | Security Name |

+ + + +

| cienaGroup | v1 | cienaSecurityV1 |

+ + +

+

+

SNMP VACM GROUP ACCESS +

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

+ + + + + + + +

| cienaGroup | | exact | v1 | no-auth-no-priv | cienaAll | |

+ + + + + + + +

***Test Case Results:***

Passed: Yes No Verified by Date/Time Comments

***SNMP v1 Trap:***

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

***Procedure:***

snmp community t0 security-name cienaSecurityV1 text-name cienaV1Community snmp vacm view cienaAll include internet

snmp vacm group cienaGroup access "" v1 no-auth-no-priv context-match exact notify-view cienaAll snmp vacm group cienaGroup member cienaSecurityV1 security-model v1

snmp target-params TestParams v1 security-name cienaSecurityV1 snmp target TestTarget target-params TestParams udp ip 10.176.137.38 snmp target TestTarget tag TestTag

***Output:***

* show snmp

+

SNMP COMMUNITY +

| Community Index | Community Name | Security Name | Transport Tag |

+ + + + +

| t0 | cienaV1Community | cienaSecurityV1 | |

+ + + + +

+ SNMP TARGET-PARAMS +

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

+ + + + + +

| TestParams | cienaSecurityV1 | | v1 | no-auth-no-priv |

+ + +

+

+ + +

SNMP TARGET +

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

+ + + + + + + + +

| TestTarget | 10.176.137.38 | TestParams | 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 |

+ + + +

| cienaGroup | v1 | cienaSecurityV1 |

+ + +

+

+

SNMP VACM GROUP ACCESS +

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

+ + + + + + + +

| cienaGroup | | exact | v1 | no-auth-no-priv | | cienaAll |

+ + + + + + + +

***Test Case Results:***

Passed: Yes No Verified by Date/Time Comments