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**Sentinel**

**SNMP TSP Configuration**

**Work in Progress**

**Questions:**

**Do we still want to support SNMP version 1 and 2 ?**

**Do we want to add an option to specify the rate that the TSP polls the NASs ?**

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# Summary

This document describes the configuration options for the Thruput SNMP Agent.

## Architecture

The Thruput SNMP Technical Supervisor operates in a similar way to the ‘non-SNMP’ Thruput Technical Supervisor other than the communications between the SNMP Technical Supervisor and the NAS is based entirely on the SNMP protocol.

**Technical Supervisor (TSP)**

**Thruput Recording Server (NAS)**

**SNMP Requests**

SNMP Agent V2

Event Log

SNMP TSP

**SNMP Responses**

Users

Configuration

Configuration

The structure of the Thruput SNMP interface is defined in the Management Information base (MIB) called THRUPUT2v1.mib which is defined in the Thruput document entitled “SNMPAgent Programming Interface DN 2046-0042”.

# Configuration

Additional configuration options have been added to version 1.8 of the TSP. Some of these options help to configure the TSP to operate as a ‘SNMP’ TSP.

The two additional configuration options are :

1. Additional command line options
2. An XML formatted configuration file

## TSP Command Line Options

|  |  |
| --- | --- |
| **Option** | **Description** |
| Options in versions prior to version 1.8 | |
| -d | Enable Debug |
| -h | Display a help message and exit |
| -i | Install the configuration  This can be used in conjunction with the -config option |
| -u | Uninstall the configuration  This can be used in conjunction with the -config option |
| New Options introduced in version 1.8 | |
| -config <configfolder> | Specify the configuration folder. If this is not specified a default folder is used.  This can be used in conjunction with options –i and -u |
| -l <log folder> | Place a copy of the events into the specified log folder |
| -snmp | Collect the event log via snmp |
| -v3 | Use the encrypted SNMP v3 protocol |
| -xml <xmlconfigfile> | Specify the file to read the additional configuration from |

The command line options will override the same setting in the XML formatted configuration file.

## SNMP TSP XML formatted configuration file

The -xml option was introduced in version 1.8 of the TSP.

An example of the xml formatted configuration file is given below:

<?xml version="1.0" encoding="utf-8" ?>

<thruput>

<tsp>

<config>F:\tspconfigs\chrisnas1nas2</config>

<debug>Y</debug>

<logfolder>c:\temp\logs</logfolder>

<usesnmp>Y</usesnmp>

<snmpv3only>Y</snmpv3only>

</tsp>

</thruput>

|  |  |
| --- | --- |
| **Option** | **Description** |
| <config> | The location of the configuration folder.  Overridden by –c on the command line |
| <debug> | Enable Debug ‘Y’ for yes. ‘N’ for no.  Overridden by –d on the command line |
| <logfolder> | Place a copy of the events into the specified log folder  Overridden by –l on the command line |
| <usesnmp> | Collect the event log via snmp. ‘Y’ for yes. ‘N’ for no.  Overridden by –snmp on the command line |
| <snmpv3only> | Use the encrypted SNMP v3 protocol  Overridden by –v3 on the command line |