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-- file:  vostrapsysmgr.mib
--
-- COMTEK Services, Inc. RFC 1225 NM*SysMgr Trap MIB for VOS
-- Release      1.5.8
-- Date         March,1997
-- Author       SH

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--
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-- The operation of the NM*SysMgr agent for VOS is controlled via
-- the configuration file (snmpd.config), the community file (snmpd.comm),
-- the trap destination file (snmpd.trap_comm), and the user trap
-- destination file (snmpd.user_trap).  See the User's Guide for a
-- complete description of each of these files.

COMTEK-TRAP-MIB DEFINITIONS ::= BEGIN

-- SECTION 1: Top Level Definitions

-- Imports

IMPORTS
    snmp, sysDescr          FROM RFC1213-MIB
    TRAP-TYPE               FROM RFC-1215
    comtek                  FROM COMTEK-DEFINITIONS-MIB
    comtekVosAgent, diskModuleName, diskSystemName, diskPartitionUsed,
    diskPagePartitionUsed, cpuModUsageName, cpuModUsageUser,
    cpuModUsageSystem, cpuModUsageServer, cpuModUsageInterrupts,
    psModuleName, psName, psNumInstances, psNumProgramInstances,
    psProgramName, vosModuleName, vosModPaging, vosRedLightNumber,
    vosRedLightModuleName, vosRedLightMessage
    FROM COMTEK-MIB;

-- SECTION 2: Generic Trap Definitions

coldStart TRAP-TYPE
    ENTERPRISE      snmp
    VARIABLES       { comtekVosAgent, sysDescr }
--    STATUS         mandatory for all Comtek Agents
    DESCRIPTION
        "A coldStart trap signifies that the sending protocol entity
        is reinitializing itself such that the agent's configuration
        or the protocol entity implementation may be altered."
    ::= 0

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authenticationFailure TRAP-TYPE
    ENTERPRISE      snmp
    VARIABLES       { comtekVosAgent, sysDescr }
--    STATUS        mandatory for all Comtek Agents
    DESCRIPTION
        "An authenticationFailure trap signifies that the sending
        protocol entity is the addressee of a protocol message that is
        not properly authenticated. While implementations of the SNMP
        must be capable of generating this trap, they must also be
        capable of suppressing the emission of such traps via an
        implementation-specific mechanism.

        Setting the configuration file variable AuthTrap to No
        disables these traps."
    ::= 4

-- SECTION 3: VOS NM*SysMgr Enterprise Trap Definitions

diskFull TRAP-TYPE
    ENTERPRISE      comtek
    VARIABLES       { comtekVosAgent, sysDescr, diskModuleName,
                    diskSystemName, diskPartitionUsed }
--    STATUS        mandatory for all Comtek VOS Agents
    DESCRIPTION
        "Disk system usage has reached or exceeded critical threshold.
        The configuration file variable DiskUse defines the critical
        threshold for disk usage. The configuration file variable
        DiskAlarm defines how frequently these traps are repeated."
    ::= 0

diskFullClear TRAP-TYPE
    ENTERPRISE      comtek
    VARIABLES       { comtekVosAgent, sysDescr, diskModuleName,
                    diskSystemName, diskPartitionUsed }
--    STATUS        mandatory for all Comtek VOS Agents
    DESCRIPTION
        "Disk system usage that had reached or exceeded critical
        threshold has now gone below threshold."
    ::= 1

pageFull TRAP-TYPE
    ENTERPRISE      comtek
    VARIABLES       { comtekVosAgent, sysDescr, vosModuleName,
                    vosModPaging }
--    STATUS        mandatory for all Comtek VOS Agents
    DESCRIPTION
        "Page partition usage has reached or exceeded critical
        threshold. The configuration file variable PageUse defines
        the critical threshold for paging usage. The configuration
        file variable DiskAlarm defines how frequently these traps
        are repeated."
    ::= 2

pageFullClear TRAP-TYPE
    ENTERPRISE      comtek

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VARIABLES      { comtekVosAgent, sysDescr, vosModuleName,
                vosModPaging }
--   STATUS      mandatory for all Comtek VOS Agents
DESCRIPTION
    "Page partition usage that had reached or exceeded critical
    threshold has now gone below threshold."
 ::= 3          -- 0x03

cpuUsageExcessive TRAP-TYPE
ENTERPRISE      comtek
VARIABLES      { comtekVosAgent, sysDescr, cpuModUsageName,
                cpuModUsageInterrupts, cpuModUsageUser,
                cpuModUsageSystem, cpuModUsageServer }
--   STATUS      mandatory for all Comtek VOS Agents
DESCRIPTION
    "Excessive CPU utilization by all processes and interrupts.
    The configuration file variable CpuUtil defines the threshold
    for this trap."
 ::= 4

interruptCpuUsageExcessive TRAP-TYPE
ENTERPRISE      comtek
VARIABLES      { comtekVosAgent, sysDescr, cpuModUsageName,
                cpuModUsageInterrupts }
--   STATUS      mandatory for all Comtek VOS Agents
DESCRIPTION
    "Excessive CPU utilization by interrupts. The configuration file
    variable IntUtil defines the threshold for this trap."
 ::= 5

redLightEvent TRAP-TYPE
ENTERPRISE      comtek
VARIABLES      { comtekVosAgent, sysDescr, vosRedLightNumber,
                vosRedLightModuleName, vosRedLightMessage }
--   STATUS      mandatory for all Comtek VOS Agents
DESCRIPTION
    "Item added to >system>hardware_log.?. The configuration file
    variable RedLight enables and disables these traps."
 ::= 6

userQueueMessage TRAP-TYPE
ENTERPRISE      comtek
VARIABLES      { comtekVosAgent, sysDescr, userTrapMsgsNumber,
                userTrapMsgsMessage }
--   STATUS      mandatory for all Comtek VOS Agents
DESCRIPTION
    "Item added to agent trap queue by other process. The
    configuration file variable InputQueue defines where the
    agent looks for user data to be sent as traps."
 ::= 7

criticalProcessMissing TRAP-TYPE
ENTERPRISE      comtek
VARIABLES      { comtekVosAgent, sysDescr, psModuleName, psName,
                psNumInstances }
--   STATUS      mandatory for all Comtek VOS Agents
DESCRIPTION

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        "Too few instances of this process name in process table.  The
        configuration file variable ProcTrap defines critical processes."
 ::= 8

criticalProgramMissing TRAP-TYPE
    ENTERPRISE      comtek
    VARIABLES       { comtekVosAgent, sysDescr, psModuleName, psProgramName,
                    psNumProgramInstances }
--    STATUS        mandatory for all Comtek VOS Agents
    DESCRIPTION
        "Too few instances of this program name in process table.  The
        configuration file variable ProgTrap defines critical programs."
 ::= 9

diskNoFreeSpace TRAP-TYPE
    ENTERPRISE      comtek
    VARIABLES       { comtekVosAgent, sysDescr, diskModuleName,
                    diskSystemName, diskPartitionFree }
--    STATUS        mandatory for all Comtek VOS Agents
    DESCRIPTION
        "Critical threshold for free space on disk has been reached.
        The configuration file variable MinFreeRecords defines the
        critical threshold for this trap.  The configuration file variable
        DiskAlarm defines how frequently these traps are repeated."
 ::= 10

diskNoFreeSpaceClear TRAP-TYPE
    ENTERPRISE      comtek
    VARIABLES       { comtekVosAgent, sysDescr, diskModuleName,
                    diskSystemName, diskPartitionFree }
--    STATUS        mandatory for all Comtek VOS Agents
    DESCRIPTION
        "Disk free space has now gone above critical threshold."
 ::= 11

END

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