

IWL SNMP Testing Results
Version 10.1 January 30, 2006
SNMPv3 Device under Test Fedora Core 4 SNMP Agent

SNMPv3 Test for all loaded MIBs

Passed: 56
Failed: 21
Warning: 3

3.1.2.1	PASSED	Walk MIB to collect variables
3.1.1.1	PASSED	NEXT request from 0.0
3.1.1.2	PASSED	NEXT request from 1.0
3.1.1.3	PASSED	NEXT request from 2.0
3.1.2.2	FAILED	Walk and check object syntax
3.1.3.1	PASSED	NEXT with arbitrary OIDs
3.1.3.2	FAILED	NEXT with large instance-IDs
3.1.3.3	PASSED	NEXT with padded OIDs
3.1.4.1	PASSED	NEXT on unrelated tables
3.1.4.2	PASSED	NEXT with unrelated variables
3.1.4.3	PASSED	NEXT on columnar objects
3.1.5	PASSED	Check Request-ID correlation
3.2.1.1	PASSED	BULK with 0 vbind
3.2.1.2	PASSED	BULK with vbinds
3.2.1.3	PASSED	BULK with R and 0 vbinds
3.2.1.4	PASSED	BULK with R and vbinds
3.2.1.5	PASSED	BULK with N and 0 vbind
3.2.1.6	PASSED	BULK with N and vbinds
3.2.1.7	PASSED	BULK with N, R and 0 vbind
3.2.1.8	PASSED	BULK with N, R and vbinds
3.2.2.1	PASSED	BULK with negative R and 0 vbind
3.2.2.2	PASSED	BULK with negative R and vbinds
3.2.2.3	PASSED	BULK with negative N and 0 vbind
3.2.2.4	PASSED	BULK with negative R and vbinds
3.2.2.5	PASSED	BULK with negative N, R and 0 vbind
3.2.2.6	PASSED	BULK with negative N, R and vbinds
3.2.3.1	PASSED	BULK from 0.0
3.2.3.2	PASSED	BULK from 1.0
3.2.3.3	PASSED	BULK from 2.0
3.2.3.4	FAILED	BULK walking MIBs
3.2.4.1	PASSED	BULK with arbitrary OIDs
3.2.4.2	FAILED	BULK with large instance-IDs
3.2.4.3	PASSED	BULK with padded OIDs
3.2.4.4	PASSED	BULK on unrelated tables
3.2.4.5	PASSED	BULK on unrelated variables

3.2.4.6	PASSED	BULK on columnar objects
3.2.5.1	PASSED	BULK with large N and vbinds
3.2.5.2	PASSED	BULK with large R and few vbinds
3.3.1.1	WARNING	GET on each variable
3.3.1.2	PASSED	GET on padded OIDs
3.3.1.3	PASSED	GET on non-existent OIDs
3.3.2.1	PASSED	GET variables in unrelated tables
3.3.2.2	PASSED	GET variables in unrelated tables
3.3.2.3	PASSED	GET variables within same table
3.4.1	FAILED	SET read-write objects
3.4.1.1	PASSED	Set non-existent objects
3.4.2	FAILED	SET with invalid syntax
3.4.3.1	FAILED	SET Integer below range
3.4.3.2	FAILED	SET Integer above range
3.4.3.3	FAILED	SET Integer below enumeration
3.4.3.4	FAILED	SET Integer above enumeration
3.4.4.1	FAILED	SET non-ASCII NVT string
3.4.4.2	FAILED	SET with wrong NVT string
3.4.4.3	PASSED	SET string below SIZE
3.4.4.4	FAILED	SET string above SIZE
3.4.5.1	FAILED	SET read-only objects
3.4.5.2	FAILED	SET varbinds order processing
3.4.5.3	FAILED	SET varbinds order processing
3.4.6.1	FAILED	SET varbinds value processing
3.4.6.2	FAILED	SET varbinds value processing
3.5.1.1	PASSED	snmplnASNParseErrs
3.5.1.2	PASSED	SET with non-minimal encoding
3.5.1.3.1	PASSED	snmplnASNParseErrs
3.5.1.3.2	PASSED	snmplnBadVersions
3.5.1.3.3	PASSED	Request with 129 sub-ids
3.5.1.4	FAILED	Request with smaller BER length
3.5.1.5	PASSED	Request with larger BER length
3.5.1.6	FAILED	SET with constructed value
3.5.1.7	PASSED	Request with agent-only PDUs
3.5.2.1	PASSED	Request with non-zero errorStatus
3.5.2.2	PASSED	Request with non-zero errorIndex
3.5.2.3	PASSED	Request with zero varbinds
3.5.2.4	PASSED	Request without using NULL
3.5.2.5	PASSED	Request with tooBig varbinds
3.5.2.6	PASSED	Request with maximum req-ID
3.6.1	FAILED	Check system group
3.6.2	PASSED	Check sysORTable
3.6.3	PASSED	Check SNMP group
3.9.1	WARNING	Check SNMP Group
3.9.2	WARNING	Detect missing objects in MIBs

SNMPv3 USM-MIB

Passed: 102

Failed: 5

Warning: 0

4.1.1	PASSED	SET usmUserSpinLock with current value
4.1.2	PASSED	SET usmUserSpinLock below current value
4.1.3	PASSED	SET usmUserSpinLock above current value
4.2.1	PASSED	GET usmUserEngineID
4.3.1	PASSED	SET usmUserPublic valid
4.3.2	PASSED	SET usmUserPublic invalid
4.4.1	PASSED	Check UserName and UserSecurityName
4.5.1.1	PASSED	GET with below time window
4.5.1.2	PASSED	GET with above time window
4.5.1.3	PASSED	GET with above time window
4.5.1.4	PASSED	GET engineBoots -2
4.5.2.1	PASSED	Check usmStatsNotInTimeWindows
4.5.2.2	PASSED	Check usmStatsNotInTimeWindows
4.5.2.3	FAILED	GET valid smaller engineTime
4.5.2.4	FAILED	GET valid bigger engineTime
4.6.1	PASSED	GET with empty ID
4.6.2	PASSED	GET with contextID
4.6.3	PASSED	GET with empty contextID
4.6.4	PASSED	GET with empty fields
4.6.5	PASSED	GET with ID X
4.6.6	PASSED	GET with ID 01234...
4.6.7	PASSED	GET with empty ID
4.6.8	PASSED	GET with empty ID and vbinds
4.6.9	PASSED	Auth GET with empty ID
4.6.10	FAILED	AuthPriv GET with empty ID
4.7.1	PASSED	Reboot and check engineBoots
4.7.3	PASSED	Verify engineBoots value
4.8.1	PASSED	Verify engineTime value
4.8.2	PASSED	Verify engineTime increments
4.9.1	PASSED	GET with userName 01234...
4.9.2	PASSED	GET with empty userName
4.9.3	PASSED	GET with long userName
4.10.1.1	PASSED	SET usmUserStatus to destroy
4.10.1.2	PASSED	SET usmUserStatus createAndGo
4.10.1.3	PASSED	SET usmUserStatus createAndGo
4.10.1.4	PASSED	SET usmUserStatus createAndGo
4.10.1.5	PASSED	SET usmUserStatus createAndWait
4.10.1.6	PASSED	SET usmUserStatus createAndWait

4.10.1.8	PASSED	SET usmUserStatus to active
4.10.1.9	PASSED	SET usmUserStatus to notInService
4.10.1.10	PASSED	SET usmUserStatus to notReady
4.10.1.11	PASSED	SET vbinds without usmUserStatus
4.10.1.12	FAILED	SET usmUserStatus createAndGo
4.10.2.1	PASSED	Transit usmUserStatus from notReady
4.10.2.2	PASSED	Transit usmUserStatus from notReady
4.10.2.3	PASSED	Transit usmUserStatus from notReady
4.10.2.4	PASSED	Transit usmUserStatus from notReady
4.10.2.5	PASSED	Transit usmUserStatus from notReady
4.10.2.6	PASSED	Transit usmUserStatus from notReady
4.10.2.7	PASSED	Transit usmUserStatus from notReady
4.10.3.1	PASSED	Transit usmUserStatus from notInService
4.10.3.2	PASSED	Transit usmUserStatus from notInService
4.10.3.3	PASSED	Transit usmUserStatus from notInService
4.10.3.4	PASSED	Transit usmUserStatus from notInService
4.10.3.5	PASSED	Transit usmUserStatus from notInService
4.10.3.6	PASSED	Transit usmUserStatus from notInService
4.10.4.1	PASSED	Transit usmUserStatus from active
4.10.4.2	PASSED	Transit usmUserStatus from active
4.10.4.3	PASSED	Transit usmUserStatus from active
4.10.4.4	PASSED	Transit usmUserStatus from active
4.10.4.5	PASSED	Transit usmUserStatus from active
4.10.4.6	PASSED	Transit usmUserStatus from active
4.10.5	PASSED	Create concurrent users
4.11.1	PASSED	Check usmUserName not-accessible
4.11.2	PASSED	Check usmUserName length
4.12.1	PASSED	usmUserSecurityName and usmUserStatus
4.13.1	PASSED	usmUserCloneFrom
4.13.2	PASSED	usmUserCloneFrom
4.13.3	PASSED	usmUserCloneFrom
4.13.4	PASSED	usmUserCloneFrom
4.13.5	PASSED	usmUserCloneFrom
4.14.1	PASSED	usmUserAuthProtocol
4.14.2	PASSED	usmUserAuthProtocol
4.14.3	PASSED	usmUserAuthProtocol
4.14.4	PASSED	usmUserAuthProtocol
4.15.1	PASSED	usmUserAuthKeyChange
4.15.2	PASSED	usmUserAuthKeyChange
4.15.3	PASSED	usmUserAuthKeyChange
4.15.4	PASSED	usmUserAuthKeyChange
4.15.5	PASSED	usmUserAuthKeyChange
4.16.1	PASSED	NEXT on usmUserOwnAuthKeyChange
4.16.2	PASSED	usmUserOwnAuthKeyChange
4.16.3	PASSED	usmUserOwnAuthKeyChange
4.17.1	PASSED	usmUserPrivProtocol

4.17.2	FAILED	usmUserPrivProtocol
4.18.1	PASSED	usmUserPrivKeyChange
4.18.3	PASSED	usmUserPrivKeyChange
4.18.4	PASSED	usmUserPrivKeyChange
4.18.5	PASSED	usmUserPrivKeyChange
4.19.1	PASSED	usmUserOwnPrivKeyChange
4.19.2	PASSED	usmUserOwnPrivKeyChange
4.19.3	PASSED	usmUserOwnPrivKeyChange
4.19.6	PASSED	usmUserOwnPrivKeyChange
4.20.1	PASSED	usmUserStorageType
4.20.2	PASSED	usmUserStorageType
4.20.3	PASSED	usmUserStorageType
4.20.4	PASSED	usmUserStorageType
4.20.5	PASSED	usmUserStorageType
4.20.7	PASSED	usmUserStorageType
4.20.8	PASSED	usmUserStorageType
4.21.1	PASSED	usmStatsUnsupportedSecLevels
4.21.2	PASSED	usmStatsUnsupportedSecLevels
4.22.1	PASSED	usmStatsUnknownUserNames
4.22.2	PASSED	usmStatsUnknownUserNames
4.22.3	PASSED	usmStatsUnknownUserNames
4.24.1.1	PASSED	snmplnPkts
4.25.1.1	PASSED	snmplnPkts

SNMPv3 VACM-MIB

Passed: 103
Failed: 3
Warning: 0

5.1.0	PASSED	Scan vacmContextName
5.1.1	PASSED	SET vacmContextName
5.1.2	PASSED	NEXT on vacmContextName
5.1.3	PASSED	GET vacmContextName
5.2.0	PASSED	Scan vacmSecurityToGroupTable
5.2.1	PASSED	GET vacmSecurityName
5.2.2	PASSED	GET vacmSecurityModel
5.2.3.0	PASSED	SET vacmSecurityModel to 0
5.2.3.1	PASSED	SET vacmSecurityName 0 byte
5.2.3.2	PASSED	SET vacmSecurityName 33 bytes
5.2.3.3	FAILED	Destroy row incorrectly
5.2.3.4	PASSED	Destroy row incorrectly
5.2.4	PASSED	SET vacmGroupName empty
5.2.5	PASSED	SET vacmGroupName 33 bytes
5.2.6.1	PASSED	vacmSecurityToGroupStatus non-existent
5.2.6.2	PASSED	vacmSecurityToGroupStatus non-existent

5.2.6.3	PASSED	vacmSecurityToGroupStatus non-existent
5.2.6.4	PASSED	vacmSecurityToGroupStatus non-existent
5.2.6.5	PASSED	vacmSecurityToGroupStatus non-existent
5.2.6.6	PASSED	vacmSecurityToGroupStatus non-existent
5.2.6.7	PASSED	vacmSecurityToGroupStatus non-existent
5.2.6.8	PASSED	vacmSecurityToGroupStatus non-existent
5.2.6.9	PASSED	vacmSecurityToGroupStatus non-existent
5.2.7.1	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.2	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.3	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.4	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.5	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.6	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.7	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.8	PASSED	vacmSecurityToGroupStatus notReady
5.2.7.9	PASSED	vacmSecurityToGroupStatus notReady
5.2.8.1	PASSED	vacmSecurityToGroupStatus notInService
5.2.8.2	PASSED	vacmSecurityToGroupStatus notInService
5.2.8.3	PASSED	vacmSecurityToGroupStatus notInService
5.2.8.4	PASSED	vacmSecurityToGroupStatus notInService
5.2.8.5	PASSED	vacmSecurityToGroupStatus notInService
5.2.8.6	PASSED	vacmSecurityToGroupStatus notInService
5.2.8.7	PASSED	vacmSecurityToGroupStatus notInService
5.2.9.1	PASSED	vacmSecurityToGroupStatus active
5.2.9.2	PASSED	vacmSecurityToGroupStatus active
5.2.9.3	PASSED	vacmSecurityToGroupStatus active
5.2.9.4	PASSED	vacmSecurityToGroupStatus active
5.2.9.5	PASSED	vacmSecurityToGroupStatus active
5.2.9.6	PASSED	vacmSecurityToGroupStatus active
5.2.9.7	PASSED	vacmSecurityToGroupStatus active
5.3.0	FAILED	Check basic compliance
5.3.4	PASSED	SET vacmAccessContextPrefix 33 bytes
5.3.5	PASSED	Create row incorrectly
5.3.5.1	PASSED	Destroy row incorrectly
5.3.5.2	PASSED	SET ReadViewName 33 bytes
5.3.5.3	PASSED	SET WriteViewName 33 bytes
5.3.5.4	PASSED	SET NotifyViewName 33 bytes
5.3.6.1	PASSED	vacmAccessStatus non-existent
5.3.6.2	PASSED	vacmAccessStatus non-existent
5.3.6.5	PASSED	vacmAccessStatus non-existent
5.3.6.6	PASSED	vacmAccessStatus non-existent
5.3.6.7	PASSED	vacmAccessStatus non-existent
5.3.6.8	PASSED	vacmAccessStatus non-existent
5.3.6.9	PASSED	vacmAccessStatus non-existent
5.3.8.1	PASSED	vacmAccessStatus notInService
5.3.8.2	PASSED	vacmAccessStatus notInService

5.3.8.3	PASSED	vacmAccessStatus notInService
5.3.8.4	PASSED	vacmAccessStatus notInService
5.3.8.5	PASSED	vacmAccessStatus notInService
5.3.8.6	PASSED	vacmAccessStatus notInService
5.3.8.7	PASSED	vacmAccessStatus notInService
5.3.9.1	PASSED	vacmAccessStatus active
5.3.9.2	PASSED	vacmAccessStatus active
5.3.9.3	PASSED	vacmAccessStatus active
5.3.9.4	PASSED	vacmAccessStatus active
5.3.9.5	PASSED	vacmAccessStatus active
5.3.9.6	PASSED	vacmAccessStatus active
5.3.9.7	PASSED	vacmAccessStatus active
5.4.0.1	FAILED	Check basic compliance
5.4.0.2	PASSED	Check basic compliance
5.4.3.1	PASSED	SET vacmViewSpinLock above current
5.4.3.2	PASSED	SET vacmViewSpinLock below current
5.4.3.3	PASSED	SET vacmViewSpinLock to current
5.4.4.1	PASSED	Create row with ViewName 33 bytes
5.4.4.2	PASSED	Destroy row with FamilyViewName 33 bytes
5.4.4.3	PASSED	Create row with FamilyViewName 0 byte
5.4.4.4	PASSED	Destroy row with FamilyViewName 0 byte
5.4.4.5	PASSED	Destroy row with IMPLIED FamilySubtree
5.4.4.6	PASSED	Create row with 17 byte FamilyMask
5.4.6.1	PASSED	vacmViewTreeFamilyStatus non-existent
5.4.6.2	PASSED	vacmViewTreeFamilyStatus non-existent
5.4.6.5	PASSED	vacmViewTreeFamilyStatus non-existent
5.4.6.6	PASSED	vacmViewTreeFamilyStatus non-existent
5.4.6.7	PASSED	vacmViewTreeFamilyStatus non-existent
5.4.6.8	PASSED	vacmViewTreeFamilyStatus non-existent
5.4.6.9	PASSED	vacmViewTreeFamilyStatus non-existent
5.4.8.1	PASSED	vacmViewTreeFamilyStatus notInService
5.4.8.2	PASSED	vacmViewTreeFamilyStatus notInService
5.4.8.3	PASSED	vacmViewTreeFamilyStatus notInService
5.4.8.4	PASSED	vacmViewTreeFamilyStatus notInService
5.4.8.5	PASSED	vacmViewTreeFamilyStatus notInService
5.4.8.6	PASSED	vacmViewTreeFamilyStatus notInService
5.4.8.7	PASSED	vacmViewTreeFamilyStatus notInService
5.4.9.1	PASSED	vacmViewTreeFamilyStatus active
5.4.9.2	PASSED	vacmViewTreeFamilyStatus active
5.4.9.3	PASSED	vacmViewTreeFamilyStatus active
5.4.9.4	PASSED	vacmViewTreeFamilyStatus active
5.4.9.5	PASSED	vacmViewTreeFamilyStatus active
5.4.9.6	PASSED	vacmViewTreeFamilyStatus active
5.4.9.7	PASSED	vacmViewTreeFamilyStatus active

SNMPv3 SNMP Apps

Passed: 35

Failed: 10

Warning: 0

6.1.1	PASSED	SET snmpTargetSpinLock to current
6.1.2	PASSED	SET snmpTargetSpinLock to below current
6.1.3	PASSED	SET snmpTargetSpinLock to above current
6.3.1.0	PASSED	snmpTargetParamsEntry creation
6.3.1.1	PASSED	snmpTargetParamsEntry creation
6.3.1.2	PASSED	snmpTargetParamsEntry creation
6.3.1.3	PASSED	snmpTargetParamsEntry creation
6.3.2	PASSED	SET snmpTargetParamsEntry readonly objects
6.3.3.1	PASSED	SET snmpTargetParamsSecurityLevel out-of-range
6.3.3.2	PASSED	SET snmpTargetParamsStorageType out-of-range
6.3.8.1	PASSED	snmpTargetParamsTable state transition
6.3.8.2	PASSED	snmpTargetParamsTable state transition
6.3.8.3	PASSED	snmpTargetParamsTable state transition
6.4.1.0	PASSED	snmpTargetAddrTable state transition
6.4.1.1	PASSED	snmpTargetAddrTable state transition
6.4.1.2	PASSED	snmpTargetAddrTable state transition
6.4.1.3	PASSED	snmpTargetAddrTable state transition
6.4.2	PASSED	SET snmpTargetAddrEntry readonly objects
6.4.3.1	PASSED	SET with inconsistent snmpTargetAddrTAddress
6.4.3.2	PASSED	SET snmpTargetAddrRetryCount out-of-range
6.4.3.3	FAILED	SET with invalid snmpTargetAddrTagList
6.4.3.4	PASSED	SET with invalid snmpTargetAddrParams
6.4.3.5	PASSED	SET with invalid snmpTargetAddrStorageType
6.4.8.1	PASSED	snmpTargetAddrEntry state transition
6.4.8.2	PASSED	snmpTargetAddrEntry state transition
6.4.8.3	PASSED	snmpTargetAddrEntry state transition
6.5.1.0	PASSED	snmpNotifyEntry creation
6.5.1.1	PASSED	snmpNotifyEntry creation
6.5.1.2	PASSED	snmpNotifyEntry creation
6.5.3.1	PASSED	SET with invalid snmpNotifyType
6.5.3.2	PASSED	SET with invalid snmpNotifyStorageType
6.5.3.3	FAILED	SET with invalid snmpNotifyTag
6.5.8.2	PASSED	snmpNotify state transition
6.5.8.3	PASSED	snmpNotify state transition
6.6.1.0	FAILED	snmpNotifyFilterProfileEntry creation
6.7.1.0	PASSED	snmpNotifyFilterEntry creation
6.7.1.1	PASSED	snmpNotifyFilterEntry creation
6.7.1.2	PASSED	snmpNotifyFilterEntry creation
6.7.3.1	FAILED	SET snmpNotifyFilterMask out-of-range
6.7.3.2	FAILED	SET snmpNotifyFilterType out-of-range

6.7.3.3	FAILED	SET snmpNotifyFilterStorageType out-of-range
6.7.8.2	FAILED	snmpNotifyFilterEntry state transition
6.7.8.3	FAILED	snmpNotifyFilterEntry state transition
6.8.1.0	FAILED	snmpProxyEntry creation
6.8.1.4	FAILED	snmpProxyEntry creation

SNMPv3 MPD-MIB

Passed: 40
Failed: 2
Warning: 0

7.0.1.1	PASSED	Check snmpEngineGroup
7.0.2.1	PASSED	Send version 43
7.0.2.2	PASSED	Send version 2147483647
7.0.2.3	PASSED	Send version -1
7.0.2.4	PASSED	Send version 2147483648
7.0.2.5	PASSED	Send empty string version
7.0.3.1	PASSED	Send msgID -2
7.0.3.2	PASSED	Send msgID -2147483646
7.0.3.3	PASSED	Send empty string msgID
7.0.3.4	PASSED	Send msgID 0
7.0.3.5	PASSED	Send msgID 65536
7.0.3.6	PASSED	Send msgID 2147483647
7.0.4.1	PASSED	Send msgMaxSize 300
7.0.4.2	PASSED	Send msgMaxSize 2147483650
7.0.4.3	PASSED	Send empty string msgMaxSize
7.0.4.4	PASSED	Send msgMaxSize 512
7.0.4.5	PASSED	Send msgMaxSize 2048
7.0.4.6	PASSED	Send msgMaxSize 65536
7.0.4.7	PASSED	Send msgMaxSize 2147483647
7.0.4.8	PASSED	Send valid msgMaxSize
7.0.4.9	PASSED	Send msgMaxSize 484
7.0.5	PASSED	Send incorrect msgGlobalData
7.0.6.1	PASSED	Send msgFlags 00h
7.0.6.2	PASSED	Send msgFlags 01h
7.0.6.3	PASSED	Send msgFlags 04h
7.0.6.4	PASSED	Send msgFlags 05h
7.0.6.5	PASSED	Send msgFlags 02h
7.0.6.6	PASSED	Send msgFlags 06h
7.0.6.7	PASSED	Send msgFlags 50h
7.0.6.8	PASSED	Send incorrect msgFlags
7.0.7.1	PASSED	Send msgSecurityModel 99
7.0.7.2	PASSED	Send msgSecurityModel 99

7.0.7.3	PASSED	Send msgSecurityModel -2
7.0.7.4	PASSED	Send msgSecurityModel 2147483650
7.0.7.5	PASSED	Send incorrect msgSecurityModel
7.0.7.6	PASSED	Send msgSecurityModel 0
7.0.7.7	PASSED	Send msgSecurityModel 1
7.0.7.8	PASSED	Send msgSecurityModel 2
7.0.9.1	FAILED	Send empty string ID
7.0.13.1	FAILED	Send empty string msgData
7.0.13.2	PASSED	Request with no msgData
7.0.13.3	PASSED	Request with incorrect msgData