

# List of MIBs Supported by Cisco Software Releases

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This section lists the Cisco private MIB variables that have been introduced after Software Release 8.0.

- Release 8.2
- Release 8.3
- Release 9.0
- Release 9.1
- Release 9.21
- Cisco IOS Release 10.0
- Cisco IOS Release 10.2
- Cisco IOS Release 10.3
- Cisco IOS Release 10.3(2)
- Cisco IOS Release 10.3(3)
- Cisco IOS Release 11.0
- Cisco IOS Release 11.1
- Cisco IOS Release 11.1(3)
- Cisco IOS Release 11.2

## Release 8.2

The following list describes the MIB variables introduced with Release 8.2:

writeMem  
writeNet  
busyPer  
avgBusy1  
avgBusy5  
idleCount  
idleWired  
locIfCarTrans  
locIfReliab  
locIfDelay  
locIfLoad  
locIfCollisions  
tsLineNoise  
dnAreaTable  
dnACost  
dnAHop  
dnAifIndex  
dnANextHop  
dnAAge  
dnAPrio  
vinesInput  
vinesOutput  
vinesLocaldest

vinesForwarded  
vinesBcastin  
vinesBcastout  
vinesBcastfwd  
vinesNotlan  
vinesNotgt4800  
vinesNocharges  
vinesFormaterror  
vinesCksumerr  
vinesHopcout  
vinesNoroute  
vinesEncapsfailed  
vinesUnknown  
vinesIcpIn  
vinesIcpOut  
vinesMetricOut  
vinesMacEchoIn  
vinesMacEchoOut  
vinesEchoIn  
vinesEchoOut

## Release 8.3

The following list describes the MIB variables introduced with Release 8.3:

bufferHgsize  
bufferHgTotal

bufferHgFree  
bufferHgMax  
bufferHgHit  
bufferHgMiss  
bufferHgTrim  
bufferHgCreate  
locIfInputQueueDrops  
locIfOutputQueueDrops  
ipNoaccess  
actCheckPoint  
tsMsgTtyLine  
tsMsgIntervaltim  
tsMsgDuration  
tsMsgTest  
tsMsgTmpBanner  
tsMsgSend  
dnIfTable  
dnIfCost

## Release 9.0

The following list provides the MIB variables introduced with Release 9.0:

netConfigProto  
hostConfigProto  
sysConfigAddr  
sysConfigName

sysConfigProto  
sysClearARP  
sysClearInt  
envPresent  
envTestPt1Descr  
envTestPt1Measure  
envTestPt2Descr  
envTestPt2Measure  
envTestPt3Descr  
envTestPt3Measure  
envTestPt4Descr  
envTestPt4Measure  
envTestPt5Descr  
envTestPt5Measure  
envTestPt6Descr  
envTestPt6Measure  
locIfDescr  
locIfPakmon

## Release 9.1

The following list provides the MIB variables introduced with Release 9.1:

envTestPt4MarginPercent  
envTestPt5MarginPercent  
envTestPt6MarginPercent  
envTestPt1last

envTestPt2last  
envTestPt3last  
envTestPt4last  
envTestPt5last  
envTestPt6last  
envTestPt1MarginVal  
envTestPt2MarginVal  
envTestPt3MarginVal  
envTestPt4MarginVal  
envTestPt5MarginVal  
envTestPt6MarginVal  
envTestPt1warn  
envTestPt2warn  
envTestPt3warn  
envTestPt4warn  
envTestPt5warn  
envTestPt6warn  
envFirmVersion  
envTechnicianID  
envType  
envBurnDate  
envSerialNumber  
locIfSlowInPkts  
locIfSlowOutPkts  
locIfSlowInOctets

locIfSlowOutOctets  
locIfFastInPkts  
locIfFastOutPkts  
locIfFastInOctets  
locIfFastOutOctets  
locIfOtherInPkts  
locIfOtherOutPkts  
locIfOtherInOctets  
locIfOtherOutOctets  
locIfipInPkts  
locIfipOutPkts  
locIfipInOctets  
locIfipOutOctets  
locIfdeenetInPkts  
locIfdeenetOutPkts  
locIfdeenetInOctets  
locIfdeenetOutOctets  
locIfxnsInPkts  
locIfxnsOutPkts  
locIfxnsInOctets  
locIfxnsOutOctets  
locIfclnsInPkts  
locIfclnsOutPkts  
locIfclnsInOctets  
locIfclnsOutOctets

locIfappletalkInPkts  
locIfappletalkOutPkts  
locIfappletalkInOctets  
locIfappletalkOutOctets  
locIfnovellInPkts  
locIfnovellOutPkts  
locIfnovellInOctets  
locIfnovellOutOctets  
locIfapolloInPkts  
locIfapolloOutPkts  
locIfapolloInOctets  
locIfapolloOutOctets  
locIfvinesInPkts  
locIfvinesOutPkts  
locIfvinesInOctets  
locIfvinesOutOctets  
locIfbridgedInPkts  
locIfbridgedOutPkts  
locIfbridgedInOctets  
locIfbridgedOutOctets  
locIfsrbInPkts  
locIfsrbOutPkts  
locIfsrbInOctets  
locIfsrbOutOctets  
locIfchaosInPkts

locIfchaosOutPkts  
locIfchaosInOctets  
locIfchaosOutOctets  
locIfpupInPkts  
locIfpupOutPkts  
locIfpupInOctets  
locIfpupOutOctets  
locIfmopInPkts  
locIfmopOutPkts  
locIfmopInOctets  
locIfmopOutOctets  
locIfflanmanInPkts  
locIfflanmanOutPkts  
locIfflanmanInOctets  
locIfflanmanOutOctets  
locIfstunInPkts  
locIfstunOutPkts  
locIfstunInOctets  
locIfstunOutOctets  
locIfspanInPkts  
locIfspanOutPkts  
locIfspanInOctets  
locIfspanOutOctets  
locIfarpInPkts  
locIfarpOutPkts

locIfarpInOctets  
locIfarpOutOctets  
locIfprobeInPkts  
locIfprobeOutPkts  
locIfprobeInOctets  
locIfprobeOutOctets  
flashSize  
flashFree  
flashcontoller  
flashcard  
flashVPP  
flashErase  
flashEraseTime  
flashEraseStatus  
flashToNet  
flashToNetTime  
flashToNetStatus  
netToFlash  
netToFlashTime  
netToFlashStatus  
flashStatus  
flashEntries  
flashDirName  
flashDirSize  
flashDirStatus

## Release 9.21

The following list identifies the MIB variables introduced with Release 9.21:

locIfDribbleInputs

vinesProxy

vinesProxyReply

vinesNet

vinesSubNet

vinesClient

vinesIfMetric

vinesIfEncType

vinesIfAccessList

vinesIfInputNetworkFilter

vinesIfInputRouterFilter

vinesIfOutputNetworkFilter

vinesIfPropagate

vinesIfArpEnabled

vinesIfServerless

vinesIfServerlessBcast

vinesIfRedirectInterval

vinesIfSplitDisabled

vinesIfLineup

vinesIfFastokay

vinesIfRouteCache

vinesIfIn

vinesIfOut

vinesIfInBytes  
vinesIfOutBytes  
vinesIfRxNotEnabled  
vinesIfRxFormatError  
vinesIfRxLocalDest  
vinesIfRxBcastIn  
vinesIfRxForwarded  
vinesIfRxNoRoute  
vinesIfRxZeroHopCount  
vinesIfRxChecksumError  
vinesIfRxArp0  
vinesIfRxArp1  
vinesIfRxArp2  
vinesIfRxArp3  
vinesIfRxArpIllegal  
vinesIfRxIcpError  
vinesIfRxIcpMetric  
vinesIfRxIcpIllegal  
vinesIfRxIpc  
vinesIfRxRtp0  
vinesIfRxRtp1  
vinesIfRxRtp2  
vinesIfRxRtp3  
vinesIfRxRtp4  
vinesIfRxRtp5

vinesIfRxRtp6  
vinesIfRxRtpIllegal  
vinesIfRxSpp  
vinesIfRxBcastHelpered  
vinesIfRxBcastForwarded  
vinesIfRxBcastDuplicate  
vinesIfRxEcho  
vinesIfRxMacEcho  
vinesIfRxProxyReply  
vinesIfTxUnicast  
vinesIfTxBcast  
vinesIfTxForwarded  
vinesIfTxFailedEncaps  
vinesIfTxFailedAccess  
vinesIfTxFailedDown  
vinesIfTxNotBcastToSource  
vinesIfTxNotBcastNotlan  
vinesIfTxNotBcastNotgt4800  
vinesIfTxNotBcastPpcharge  
vinesIfTxBcastForwarded  
vinesIfTxBcastHelpered  
vinesIfTxArp0  
vinesIfTxArp1  
vinesIfTxArp2  
vinesIfTxArp3

vinesIfTxIcpError  
vinesIfTxIcpMetric  
vinesIfTxIpc  
vinesIfTxRtp0  
vinesIfTxRtp1  
vinesIfTxRtp2  
vinesIfTxRtp3  
vinesIfTxRtp4  
vinesIfTxRtp5  
vinesIfTxRtp6  
vinesIfTxSpp  
vinesIfTxEcho  
vinesIfTxMacEcho  
vinesIfTxProxy  
chassisType  
chassisVersion  
chassisId  
romVersion  
romSysVersion  
processorRam  
nvRAMSize  
nvRAMUsed  
configRegister  
configRegNext  
cardTable

cardTableEntry  
cardIndex  
cardType  
cardDescr  
cardSerial  
cardHwVersion  
cardSwVersion  
cardSlotNumber  
chassisSlots

## Cisco IOS Release 10.0

The following list identifies the MIB variables introduced with Cisco IOS Release 10.0:

ipxActThresh  
ipxActLostPkts  
ipxActLostByts  
ipxActSrc  
ipxActDst  
ipxActPkts  
ipxActByts  
ipxActAge  
ipxCkactSrc  
ipxCkactDst  
ipxCkactPkts  
ipxCkactByts  
ipxCkactAge

ipxActCheckPoint  
vinesIfInputNetworkFilter  
vinesIfInputRouterFilter  
vinesIfOutputNetworkFilter  
cardIfIndex  
cardIfSlotNumber  
cardIfPortNumber

## Cisco IOS Release 10.2

The following list identifies the MIB variables introduced with Cisco IOS Release 10.2:

cipCardClawEntry  
cipCardClawIndex  
cipCardClawConnected  
cipCardClawConfigTable  
cipCardClawConfigEntry  
cipCardClawConfigPath  
cipCardClawConfigDevice  
cipCardClawConfigIpAddr  
cipCardClawConfigHostName  
cipCardClawConfigRouterName  
cipCardClawConfigHostAppl  
cipCardClawConfigRouterAppl  
cipCardClawDataXferStatsTable  
cipCardClawDataXferStatsEntry  
cipCardClawDataXferStatsBlocksRead

cipCardClawDataXferStatsBlocksWritten  
cipCardClawDataXferStatsBytesRead  
cipCardClawDataXferStatsBytesWritten  
cipCardClawDataXferStatsHCBytesRead  
cipCardClawDataXferStatsHCBytesWritten  
cipCardClawDataXferStatsReadBlocksDropped  
cipCardClawDataXferStatsWriteBlocksDropped  
cipCardClawDataXferStatsBufferGetRetryCount  
cipCardDtrBrdIndex  
cipCardDtrBrdType  
cipCardDtrBrdStatus  
cipCardDtrBrdSignal  
cipCardDtrBrdOnline  
implicitIncidents  
codeViolationErrors  
linkFailureSignalOrSyncLoss  
linkFailureNOSs  
linkFailureSequenceTimeouts  
linkFailureInvalidSequences  
linkIncidentTrapCause  
cipCardsubChannelIndex  
cipCardsubChannelConnections  
cipCardsubChannelCancels  
cipCardsubChannelSelectiveResets  
cipCardsubChannelSystemResets

cipCardsubChannelDeviceErrors  
cipCardsubChannelWriteBlocksDropped  
cipCardsubChannelLastSenseData  
cipCardSubchannelLastSenseDataTime  
cipCardSubChannelCuBusies  
cipCardEntryIndex  
cipCardEntryName  
cipCardEntryTotalMemory  
cipCardEntryFreeMemory  
cipCardEntryCpuUtilization  
cipCardEntryTimeSinceLastReset  
ciscoFlash  
ciscoPingAddress  
ciscoPingTable  
ciscoPingEntry  
ciscoPingProtocol  
ciscoPingSerialNumber  
ciscoPingPacketCount  
ciscoPingPacketSize  
ciscoPingPacketTimeout  
ciscoPingDelay  
ciscoPingTrapOnCompletion  
ciscoPingSentPackets  
ciscoPingReceivedPackets  
ciscoPingMinRtt

ciscoPingAvgRtt  
ciscoPingMaxRtt  
ciscoPingCompleted  
ciscoPingEntryOwner  
ciscoPingEntryStatus  
ipxBasicSysInstance  
ipxBasicSysExistState  
ipxBasicSysNetNumber  
ipxBasicSysNode  
ipxBasicSysName  
ipxBasicSysInReceives  
ipxBasicSysInHdrErrors  
ipxBasicSysInUnknownSockets  
ipxBasicSysInDiscards  
ipxBasicSysInBadChecksums  
ipxBasicSysInDelivers  
ipxBasicSysNoRoutes  
ipxBasicSysOutRequests  
ipxBasicSysOutMalformedRequests  
ipxBasicSysOutDiscards  
ipxBasicSysOutPackets  
ipxBasicSysConfigSockets  
ipxBasicSysOpenSocketFails  
ipxAdvSysInstance  
ipxAdvSysMaxPathSplits

ipxAdvSysMaxHops  
ipxAdvSysInTooManyHops  
ipxAdvSysInFiltered  
ipxAdvSysInCompressDiscards  
ipxAdvSysNETBIOSPackets  
ipxAdvSysForwPackets  
ipxAdvSysOutFiltered  
ipxAdvSysOutCompressDiscards  
ipxAdvSysCircCount  
ipxAdvSysDestCount  
ipxAdvSysServCount  
ipxCircSysInstance  
ipxCircIndex  
ipxCircExistState  
ipxCircOperState  
ipxCircName  
ipxCircType  
ipxCircDialName  
ipxCircLocalMaxPacketSize  
ipxCircCompressState  
ipxCircCompressSlots  
ipxCircStaticStatus  
ipxCircCompressedSent  
ipxCircCompressedInitSent  
ipxCircCompressedRejectsSent

ipxCircUncompressedSent  
ipxCircCompressedReceived  
ipxCircCompressedInitReceived  
ipxCircCompressedRejectsReceived  
ipxCircUncompressedReceived  
ipxCircMediaType  
ipxCircNetNumber  
ipxCircStateChanges  
ipxCircInitFails  
ipxCircDelay  
ipxCircThroughput  
ipxCircNeighRouterName  
ipxCircNeighInternalNetNum  
ipxDestSysInstance  
ipxDestNetNum  
ipxDestProtocol  
ipxDestTicks  
ipxDestHopCount  
ipxDestNextHopCircIndex  
ipxDestNextHopNICAddress  
ipxDestNextHopNetNum  
ipxStaticRouteSysInstance  
ipxStaticRouteCircIndex  
ipxStaticRouteNetNum  
ipxStaticRouteExistState

ipxStaticRouteTicks  
ipxStaticRouteHopCount  
ipxServSysInstance  
ipxServType  
ipxServName  
ipxServProtocol  
ipxServNetNum  
ipxServNode  
ipxServSocket  
ipxServHopCount  
ipxDestServSysInstance  
ipxDestServNetNum  
ipxDestServSocket  
ipxDestServName  
ipxDestServType  
ipxDestServProtocol  
ipxDestServHopCount  
ipxStaticServSysInstance  
ipxStaticServCircIndex  
ipxStaticServName  
ipxStaticServType  
ipxStaticServExistState  
ipxStaticServNetNum  
ipxStaticServNode  
ipxStaticServSocket

ipxStaticServHopCount  
ripSysInstance  
ripSysState  
ripSysIncorrectPackets  
sapSysInstance  
sapSysState  
sapSysIncorrectPackets  
ripCircSysInstance  
ripCircIndex  
ripCircState  
ripCircPace  
ripCircUpdate  
ripCircAgeMultiplier  
ripCircPacketSize  
ripCircOutPackets  
ripCircInPackets  
sapCircSysInstance  
sapCircIndex  
sapCircState  
sapCircPace  
sapCircUpdate  
sapCircAgeMultiplier  
sapCircPacketSize  
sapCircGetNearestServerReply  
sapCircOutPackets

sapCircInPackets  
cardIfIndex  
cardIfSlotNumber  
cardIfPortNumber

## Deprecated in Release 10.2

The loctcp table has been replaced by the ciscoLoctcp table.

## Obsoleted in Release 10.2

The Cisco IOS Release 10.1 ping object was replaced by the Cisco IOS 10.2 ciscoPing table.

The loctcp table has been replaced by the ciscoLoctcp table.

## Cisco IOS Release 10.3

The following list identifies the MIB variables introduced with Cisco IOS Release 10.3:

cardIfIndex  
cardIfSlotNumber  
cardIfPortNumber  
ciscoEnvMonVoltageStatusIndex  
ciscoEnvMonVoltageStatusDesc  
ciscoEnvMonVoltageStatusValue  
ciscoEnvMonVoltageThresholdLow  
ciscoEnvMonVoltageThresholdHigh  
ciscoEnvMonVoltageLastShutdown  
ciscoEnvMonVoltageState

ciscoEnvMonTemperatureStatusEntry  
ciscoEnvMonTemperatureStatusIndex  
ciscoEnvMonTemperatureStatusDescr  
ciscoEnvMonTemperatureStatusValue  
ciscoEnvMonTemperatureThreshold  
ciscoEnvMonTemperatureLastShutdown  
ciscoEnvMonTemperatureState  
ciscoEnvMonFanStatusIndex  
ciscoEnvMonFanStatusDescr  
ciscoEnvMonFanState  
ciscoEnvMonSupplyStatusDescr  
ciscoEnvMonSupplyState  
ciscoEnvMonShutdownTrap  
ciscoEnvMonEnableShutdownTrap  
ciscoEnvMonVoltageTrap  
ciscoEnvMonTemperatureTrap  
ciscoEnvMonEnableTemperatureTrap  
ciscoEnvMonRedundantSupplyTrap  
ciscoEnvMonEnableRedundantSupplyTrap  
dspuNodeRsrbr  
dspuNodeRsrbrLocalVirtualRing  
dspuNodeRsrbrBridgeNumber  
dspuNodeRsrbrTargetVirtualRing  
dspuNodeRsrbrVirtualMacAddress  
dspuNodeDefaultPu

dspuNodeDefaultPuWindowSize  
dspuNodeDefaultPuMaxIframe  
dspuNodeActivationWindow  
dspuNodeLastConfigChgTime  
dspuPoolClassEntry  
dspuPoolClassIndex  
dspuPoolClassName  
dspuPoolClassInactivityTimeout  
dspuPoolClassOperUpStreamLuDefs  
dspuPoolClassOperDnStreamLuDefs  
dspuPooledLuPeerLuLocalAddress  
dspuPuAdminName  
dspuPuAdminType  
dspuPuAdminRemoteMacAddress  
dspuPuAdminRemoteSapAddress  
dspuPuAdminLocalSapAddress  
dspuPuAdminXid  
dspuPuAdminXidFmt  
dspuPuAdminWindowSize  
dspuPuAdminMaxIframe  
dspuPuAdminLinkRetryCount  
dspuPuAdminLinkRetryTimeout  
dspuPuAdminStartPu  
dspuPuAdminDlcType  
dspuPuAdminDlcUnit

dsPuAdminDlcPort  
dsPuAdminFocalPoint  
dsPuAdminRowStatus  
dsPuOperName  
dsPuOperType  
dsPuOperRemoteMacAddress  
dsPuOperRemoteSapAddress  
dsPuOperLocalSapAddress  
dsPuOperXid  
dsPuOperXidFmt  
dsPuOperWindowSize  
dsPuOperMaxIframe  
dsPuOperLinkRetryCount  
dsPuOperLinkRetryTimeout  
dsPuOperStartPu  
dsPuOperDlcType  
dsPuOperDlcUnit  
dsPuOperDlcPort  
dsPuOperFocalPoint  
dsPuOperState  
dsPuOperFsmState  
dsPuOperStartTime  
dsPuOperLastStateChgTime  
dsPuStatsSentBytes  
dsPuStatsRcvdBytes

dsPuStatsSentFrames  
dsPuStatsRcvdFrames  
dsPuStatsSentNegativeRsps  
dsPuStatsRcvdNegativeRsps  
dsPuStatsActiveLus  
dsPuStatsInactiveLus  
dsPuStatsBindLus  
dsPuStatsActivationFailures  
dsPuStatsLastActivationFailureReason  
dsPuAdminLuLocalAddress  
dsPuAdminType  
dsPuAdminPoolClassName  
dsPuAdminPeerPuIndex  
dsPuAdminPeerLuLocalAddress  
dsPuAdminRowStatus  
dsPuOperEntry  
dsPuOperLuLocalAddress  
dsPuOperType  
dsPuOperPoolClassName  
dsPuOperPeerPuIndex  
dsPuOperPeerLuLocalAddress  
dsPuOperState  
dsPuOperFsmState  
dsPuOperSessionState  
dsPuSapAddress

dspuSapType  
dspuSapDlcType  
dspuSapDlcUnit  
dspuSapDlcPort  
dspuSapOperState  
dspuSapRowStatus  
cdpInterfaceEnable  
cdpInterfaceMessageInterval  
cdpInterfaceGroup  
cdpInterfacePort  
cdpCacheEntry  
cdpCacheIfIndex  
cdpCacheDeviceIndex  
cdpCacheAddressType  
cdpCacheAddress  
cdpCacheVersion  
cdpCacheDeviceId  
cdpCacheDevicePort  
cdpCachePlatform  
cdpCacheCapabilities  
qllcLSAdminLciVcIndex  
qllcLSAdminCircuitType  
qllcLSAdminRole  
qllcLSAdminX25Add  
qllcLSAdminModulo

qlcLSAdminLgX25  
qlcLSOperCircuitType  
qlcLSOperRole  
qlcLSOperX25Add  
qlcLSOperModulo  
qlcLSOperState  
qlcLSOperLgX25  
qlcLSStatsLciVcIndex  
qlcLSStatsXidIn  
qlcLSStatsXidOut  
qlcLSStatsTestIn  
qlcLSStatsTestOut  
qlcLSStatsQuenchOff  
qlcLSStatsQuenchOn  
qlcLSStatsInPaks  
qlcLSStatsOutPaks  
qlcLSStatsInBytes  
qlcLSStatsOutBytes  
qlcLSStatsNumRcvQsms  
qlcLSStatsNumSndQsms  
qlcLSStatsNumRcvDiscs  
qlcLSStatsNumSndDiscs  
qlcLSStatsNumRcvDms  
qlcLSStatsNumSndDms  
qlcLSStatsNumRcvFrmrs

qllcLSStatsNumSndFrmrs  
qllcLSStatsNumDrops  
qllcLSStatsNumErrs  
cvBasicNetwork  
cvBasicHost  
cvBasicNextClient  
cvForwNeighborNeighborCount  
cvForwNeighborPathCount  
cvForwNeighborVersion  
cvForwNeighborTable  
cvForwNeighborNetwork  
cvForwNeighborHost  
cvForwNeighborPhysAddress  
cvForwNeighborSource  
cvForwNeighborRtpVersion  
cvForwNeighborUsageType  
cvForwNeighborAge  
cvForwNeighborMetric  
cvForwNeighborUses  
cvForwRouteRouterCount  
cvForwRouteRouteCount  
cvForwRouteVersion  
cvForwRouteUpdateCountdown  
cvForwRouteTable  
cvForwRouteNetworkNumber

cvForwRouteNeighborNetwork  
cvForwRouteSource  
cvForwRouteRtpVersion  
cvForwRouteUseNext  
cvForwRouteForwardBroadcast  
cvForwRouteSuppress  
cvForwRouteLoadShareEligible  
cvForwRouteAge  
cvForwRouteMetric  
cvForwRouteUses  
cvTotalInputPackets  
cvTotalOutputPackets  
cvTotalLocalDestPackets  
cvTotalForwardedPackets  
cvTotalBroadcastInPackets  
cvTotalBroadcastOutPackets  
cvTotalBroadcastForwardPackets  
cvTotalLanOnlyPackets  
cvTotalNotOver4800Packets  
cvTotalNoChargesPackets  
cvTotalFormatErrors  
cvTotalChecksumErrors  
cvTotalHopCountsExceeded  
cvTotalNoRouteDrops  
cvTotalEncapsFailedDrops

cvTotalUnknownPackets  
cvTotalIcpInPackets  
cvTotalIcpOutPackets  
cvTotalMetricOutPackets  
cvTotalMacEchoInPackets  
cvTotalMacEchoOutPackets  
cvTotalEchoInPackets  
cvTotalEchoOutPackets  
cvTotalProxyOutPackets  
cvTotalProxyReplyOutPackets  
cvIfConfigMetric  
cvIfConfigEncapsulation  
cvIfConfigAccesslist  
cvIfConfigPropagate  
cvIfConfigArpEnabled  
cvIfConfigServerless  
cvIfConfigRedirectInterval  
cvIfConfigSplitDisabled  
cvIfConfigLineup  
cvIfConfigFastokay  
cvIfConfigRouteCache  
cvIfConfigInputRouterFilter  
cvIfConfigInputNetworkFilter  
cvIfConfigOutputNetworkFilter  
cvIfCountInNotEnabledDrops

cvIfCountInFormatErrors  
cvIfCountInLocalDestPackets  
cvIfCountInBroadcastPackets  
cvIfCountInForwardedPackets  
cvIfCountInNoRouteDrops  
cvIfCountInZeroHopCountDrops  
cvIfCountInChecksumErrors  
cvIfCountInArpQueryRequests  
cvIfCountInArpQueryResponses  
cvIfCountInArpAssignmentRequests  
cvIfCountInArpAssignmentResponses  
cvIfCountInArpIllegalMessages  
cvIfCountInIcpErrorMessageMessages  
cvIfCountInIcpMetricMessages  
cvIfCountInIcpIllegalMessages  
cvIfCountInIpcMessages  
cvIfCountInRtp0Messages  
cvIfCountInRtp1Messages  
cvIfCountInRtp2Messages  
cvIfCountInRtp3Messages  
cvIfCountInRtpUpdateMessages  
cvIfCountInRtpResponseMessages  
cvIfCountInRtpRedirectMessages  
cvIfCountInRtpIllegalMessages  
cvIfCountInSppMessages

cvIfCountInIpUnknownProtocols  
cvIfCountInIpcUnknownPorts  
cvIfCountInBroadcastsHelped  
cvIfCountInBroadcastsForwarded  
cvIfCountInBroadcastDuplicates  
cvIfCountInEchoPackets  
cvIfCountInMacEchoPackets  
cvIfCountInProxyReplyPackets  
cvIfCountOutUnicastPackets  
cvIfCountOutBroadcastPackets  
cvIfCountOutForwardedPackets  
cvIfCountOutEncapsulationFailures  
cvIfCountOutAccessFailures  
cvIfCountOutDownFailures  
cvIfCountOutPacketsNotBroadcastToSource  
cvIfCountOutPacketsNotBroadcastLanOnly  
cvIfCountOutPacketsNotBroadcastNotOver4800  
cvIfCountOutPacketsNotBroadcastNoCharge  
cvIfCountOutBroadcastsForwarded  
cvIfCountOutBroadcastsHelped  
cvIfCountOutArpQueryRequests  
cvIfCountOutArpQueryResponses  
cvIfCountOutArpAssignmentRequests  
cvIfCountOutArpAssignmentResponses  
cvIfCountOutIcpErrorMessage

cvIfCountOutIcpMetricMessages  
cvIfCountOutIpcMessages  
cvIfCountOutRtp0Messages  
cvIfCountOutRtpRequestMessages  
cvIfCountOutRtp2Messages  
cvIfCountOutRtp3Messages  
cvIfCountOutRtpUpdateMessages  
cvIfCountOutRtpResponseMessages  
cvIfCountOutRtpRedirectMessages  
cvIfCountOutSppMessages  
cvIfCountOutEchoPackets  
cvIfCountOutMacEchoPackets  
cvIfCountOutProxyPackets  
nlspSysInstance  
nlspSysState  
nlspSysID  
nlspSysMinNonBcastLSPTransInt  
nlspSysMinBcastLSPTransInt  
nlspSysMinLSPGenInt  
nlspSysMaxLSPGenInt  
nlspSysMaxLSPAge  
nlspSysBcastHelloInt  
nlspSysNonBcastHelloInt  
nlspSysDRBcastHelloInt  
nlspSysHoldTimeMultiplier

nlspSysCompSNPInt  
nlspSysPartSNPInt  
nlspSysWaitTime  
nlspSysOrigL1LSPBufSize  
nlspSysVersion  
nlspSysCorrLSPs  
nlspSysL1Overloaded  
nlspSysL1DbaseOloads  
nlspSysMaxSeqNums  
nlspSysSeqNumSkips  
nlspSysTransmittedLSPs  
nlspSysReceivedLSPs  
nlspSysOwnLSPPurges  
nlspSysVersionErrors  
nlspSysIncorrectPackets  
nlspSysNearestL2DefaultExists  
nlspSysNearestL2DefaultRouter  
nlspSysResourceFailures  
nlspSysAreaSysInstance  
nlspSysAreaNet  
nlspSysAreaMask  
nlspActAreaSysInstance  
nlspActAreaNet  
nlspActAreaMask  
nlspCircSysInstance

nlspCircIndex  
nlspCircState  
nlspCircPace  
nlspCircHelloTimer  
nlspCircL1DefaultCost  
nlspCircL1DesRouterPriority  
nlspCircL1CircID  
nlspCircL1DesRouter  
nlspCircLANL1DesRouterChanges  
nlspCircNeighChanges  
nlspCircRejNeighbors  
nlspCircOutPackets  
nlspCircInPackets  
nlspCircActualMaxPacketSize  
nlspCircPSNPsSent  
nlspCircPSNPsReceived  
nlspDestSysInstance  
nlspDestNetNum  
nlspDestID  
nlspDestEstDelay  
nlspDestEstThroughput  
nlspDestNextHopID  
nlspDestCost  
nlspNeighSysInstance  
nlspNeighCircIndex

nlspNeighIndex  
nlspNeighState  
nlspNeighNICAddress  
nlspNeighSysType  
nlspNeighSysID  
nlspNeighName  
nlspNeighUsage  
nlspNeighHoldTimer  
nlspNeighRemainingTime  
nlspNeighPriority  
nlspIDMapEntry  
nlspIDMapSysInstance  
nlspIDMapID  
nlspIDMapServerName  
nlspIDMapNetNum  
nlspNetMapSysInstance  
nlspNetMapNetNum  
nlspNetMapServerName  
nlspNetMapID  
nlspNameMapSysInstance  
nlspNameMapServerName  
nlspNameMapNetNum  
nlspNameMapID  
InlspNodeSysInstance  
nlspNodeID

nlspNodeNetNum  
nlspNodeType  
nlspNodeEstDelay  
nlspNodeEstThroughput  
nlspNodeMaxPacketSize  
nlspNodeCost  
nlspNodeOverload  
nlspNodeReachable  
nlspLinkSysInstance  
nlspLinkNLSPID  
nlspLinkIndex  
nlspLinkNeighNLSPID  
nlspLinkFromNeighCost  
nlspLinkMaxPacketSize  
nlspLinkThroughput  
nlspLinkDelay  
nlspLinkMediaType  
nlspLinkToNeighCost  
nlspPathSysInstance  
nlspPathDestNLSPID  
nlspPathLinkIndex  
nlspGraphXRRouteSysInstance  
nlspGraphXRRouteNLSPID  
nlspGraphXRRouteNetNum  
nlspGraphXRRouteCost

nlspGraphXRouteHopCount  
nlspGraphServSysInstance  
nlspGraphServNLSPID  
nlspGraphServName  
nlspGraphServTypeValue  
nlspGraphServType  
nlspGraphServNetNum  
nlspGraphServNode  
nlspGraphServSocket  
nlspLSPSysInstance  
nlspLSPID  
nlspLSPLifetime  
nlspLSPSeqNum  
nlspLSPChecksum  
nlspLSPRouterType  
nlspLSPOverload  
nlspLSPHeader  
nlspLSPOptSysInstance  
nlspLSPOptLSPID  
nlspLSPOptIndex  
nlspLSPOptCode  
nlspLSPOptLength  
nlspLSPOptValue

## Deprecated in Release 10.3

The Environmental Monitor Card objects found in Local Variables have been replaced in the Cisco IOS Release 10.3 by the Cisco Environmental Monitor MIB found in `ciscoMgmt`.

The Flash group objects found in Local Variables have been superceded by the `ciscoFlash` MIB found in `ciscoMgmt`.

## Obsoleted in Release 10.3

The `loctcp` table has been replaced by the `ciscoLoctcp` table.

## Cisco IOS Release 10.3(2)

The following list identifies the MIB variables introduced with Cisco IOS Release 10.3(2):

- `ciscoRptrPortMDIStatus`
- `ciscoRptrPortLinkTestEnabled`
- `ciscoRptrPortLinkTestFailed`
- `ciscoRptrPortAutoPolarityEnabled`
- `ciscoRptrPortAutoPolarityCorrected`
- `ciscoRptrPortSrcAddrCtrl`
- `ciscoRptrPortAllowedSrcAddr`
- `ciscoRptrPortAllowedSrcAddrStatus`
- `ciscoRptrPortLastIllegalSrcAddr`

## Cisco IOS Release 10.3(3)

The following list identifies the MIB variables introduced with Cisco IOS Release 10.3(3):

- `chassisPartner`
- `ciscoRptrPortMDIStatus`
- `ciscoRptrPortLinkTestEnabled`

ciscoRptrPortLinkTestFailed  
ciscoRptrPortAutoPolarityEnabled  
ciscoRptrPortAutoPolarityCorrected  
ciscoRptrPortSrcAddrCtrl  
ciscoRptrPortAllowedSrcAddr  
ciscoRptrPortAllowedSrcAddrStatus  
ciscoRptrPortLastIllegalSrcAddr  
demandNbrEntry  
demandNbrPhysIf  
demandNbrId  
demandNbrLogIf  
demandNbrName  
demandNbrAddress  
demandNbrPermission  
demandNbrMaxDuration  
demandNbrLastDuration  
demandNbrClearReason  
demandNbrClearCode  
demandNbrSuccessCalls  
demandNbrFailCalls  
demandNbrAcceptCalls  
demandNbrRefuseCalls  
demandNbrLastAttemptTime  
demandNbrStatus

## Cisco IOS Release 11.0

The following list identifies the MIB variables introduced with Cisco IOS Release 11.0:

bscPortRole  
bscPortCodeSet  
bscPortPause  
bscPortServlim  
bscPortPollTimeout  
bscPortRecoveryRetries  
bscPortUnknownControlUnitsReceived  
bscPortSoftErrors  
bscPortHardErrors  
bscPortProtocolViolations  
bscCUAddress  
bscCUState  
bscCUBytesSent  
bscCUBytesReceived  
bscCUTotalFramesSent  
bscCUTotalFramesReceived  
bscCUDataFramesSent  
bscCUDataFramesReceived  
bscCUSoftErrors  
bscCUHardErrors  
bscCUProtocolViolations  
bstunIPAddr  
bstunGroupIndex

bstunProtocolType  
bstunLocalAck  
bstunGroupUnroutableTransmit  
bstunGroupUnroutableReceive  
bstunPortGroupNumber  
bstunPortDefaultPeerType  
bstunPortDefaultPeerIP  
bstunPortDefaultPeerSerial  
bstunRouteGroupIndex  
bstunRouteStationAddress  
bstunRouteType  
bstunRouteIP  
bstunRouteSerial  
bstunRoutePriority  
bstunRoutePeerState  
bstunRouteRxPackets  
bstunRouteTxPackets  
bstunRouteRxBytes  
bstunRouteTxBytes  
cipCardCsnaAdminPath  
cipCardCsnaAdminDevice  
cipCardCsnaAdminBlockDelayTime  
cipCardCsnaAdminBlockDelayLength  
cipCardCsnaAdminMaxBlockLength  
cipCardCsnaAdminRowStatus

cipCardCsnaOperState  
cipCardCsnaOperSlowDownState  
cipCardCsnaOperBlockDelayTime  
cipCardCsnaOperBlockDelayLength  
cipCardCsnaOperMaxBlockLength  
cipCardCsnaStatsBlocksTxd  
cipCardCsnaStatsBlocksRxd  
cipCardCsnaStatsBytesTxd  
cipCardCsnaStatsHCBytesTxd  
cipCardCsnaStatsBytesRxd  
cipCardCsnaStatsHCBytesRxd  
cipCardCsnaStatsBlocksTxByBlockDelayTime  
cipCardCsnaStatsBytesTxByBlockDelayTime  
cipCardCsnaStatsHCBytesTxByBlockDelayTime  
cipCardCsnaStatsBlocksTxByBlockDelayLength  
cipCardCsnaStatsBytesTxByBlockDelayLength  
cipCardCsnaStatsHCBytesTxByBlockDelayLength  
cipCardCsnaStatsBlocksTxByMaxBlockLength  
cipCardCsnaStatsBytesTxByMaxBlockLength  
cipCardCsnaStatsHCBytesTxByMaxBlockLength  
cipCardCsnaStatsSlowDownsReceived  
cipCardCsnaStatsSlowDownsSent  
cipCardAdminMaxLlc2Sessions  
cipCardOperMaxLlc2Sessions  
cipCardStatsHiWaterLlc2Sessions

cipCardStatsLlc2SessionAllocationErrs  
cipCardCsnaConnActiveSessions  
cipCardCsnaConnPath  
cipCardCsnaConnDevice  
cipCardLanAdminLanType  
cipCardLanAdminLanId  
cipCardLanAdminBridgeType  
cipCardLanAdminSrbLocalRing  
cipCardLanAdminSrbBridgeNum  
cipCardLanAdminSrbTargetRing  
cipCardLanAdminTbBridgeGrp  
cipCardLanAdminRowStatus  
cipCardLanAdaptAdminAdaptNo  
cipCardLanAdaptAdminMacAddress  
cipCardLanAdaptAdminAdaptName  
cipCardLanAdaptAdminRowStatus  
cipCardOffloadConfigPath  
cipCardOffloadConfigDevice  
cipCardOffloadConfigIpAddr  
cipCardOffloadConfigHostName  
cipCardOffloadConfigRouterName  
cipCardOffloadConfigLinkHostAppl  
cipCardOffloadConfigLinkRouterAppl  
cipCardOffloadConfigAPIHostAppl  
cipCardOffloadConfigAPIRouterAppl

cipCardOffloadConfigBroadcastEnable  
cipCardOffloadConfigRowStatus  
cipIpAddress  
cipIpForwarding  
cipIpDefaultTTL  
cipIpInReceives  
cipIpInHdrErrors  
cipIpInAddrErrors  
cipIpForwDatagrams  
cipIpInUnknownProtos  
cipIpInDiscards  
cipIpInDelivers  
cipIpOutRequests  
cipIpOutDiscards  
cipIpOutNoRoutes  
cipIpReasmTimeout  
cipIpReasmReqds  
cipIpReasmOKs  
cipIpReasmFails  
cipIpFragOKs  
cipIpFragFails  
cipIpFragCreates  
cipIpRoutingDiscards  
cipTcpRtoAlgorithm  
cipTcpRtoMin

cipTcpRtoMax  
cipTcpMaxConn  
cipTcpActiveOpens  
cipTcpPassiveOpens  
cipTcpAttemptFails  
cipTcpEstabResets  
cipTcpCurrEstab  
cipTcpInSegs  
cipTcpOutSegs  
cipTcpRetransSegs  
cipTcpInErrs  
cipTcpOutRsts  
cipTcpConnLocalPort  
cipTcpConnRemAddress  
cipTcpConnRemPort  
cipTcpConnState  
cipTcpConnInHCBytes  
cipTcpConnInBytes  
cipTcpConnOutHCBytes  
cipTcpConnOutBytes  
cipIcmpInMsgs  
cipIcmpInErrors  
cipIcmpInDestUnreachs  
cipIcmpInTimeExcds  
cipIcmpInParmProbs

cipIcmpInSrcQuenchs  
cipIcmpInRedirects  
cipIcmpInEchos  
cipIcmpInAddrMaskReps  
cipIcmpOutMsgs  
cipIcmpOutErrors  
cipIcmpOutDestUnreachs  
cipIcmpOutEchos  
cipIcmpOutEchoReps  
cipIcmpOutTimestamps  
cipIcmpOutTimestampReps  
cipIcmpOutAddrMasks  
cipIcmpOutAddrMaskReps  
cipUdpInDatagrams  
cipUdpNoPorts  
cipUdpInErrors  
cipUdpOutDatagrams  
cipUdpLocalPort  
cQIfQType  
cQIfTxLimit  
cQIfSubqueues  
cQStatsQNumber  
cQStatsDepth  
cQStatsMaxDepth  
cQStatsDiscards

cQRotationOctets  
llcPortVirtualIndex  
llcPortAdminName  
llcPortAdminMaxSaps  
llcProtAdminMacCcs  
llcPortAdminMaxPDUOctets  
llcPortAdminMaxUnackedIPDUssend  
llcPortAdminMaxUnackedIPDUssrcv  
llcPortAdminMaxRetransmits  
llcPortAdminAckTimer  
llcPortAdminPbitTimer  
llcPortAdminRejTimer  
llcPortAdminBusyTimer  
llcPortAdminInactTimer  
llcPortAdminDelayAckCount  
llcPortAdminDelayAckTimer  
llcPortAdminNw  
llcPortOperMacAddress  
llcPortOperNumSaps  
llcPortOperHiWaterNumSaps  
llcPortOperSimRim  
llcPortOperLastModifyTime  
llcPortStatsPDUsIn  
llcPortStatsPDUsOut  
llcPortStatsOctetsIn

llcPortStatsOctetsOut  
llcPortStatsTESTCommandsIn  
llcPortStatsTESTResponsesOut  
llcPortStatsLocalBusies  
llcPortStatsUnknownSaps  
llcSapNumber  
llcSapAdminMaxPDUOctets  
llcSapAdminMaxUnackedIPDUsSend  
llcSapAdminMaxUnackedIPDUsRev  
llcSapAdminMaxRetransmits  
llcSapAdminAckTimer  
llcSapAdminPbitTimer  
llcSapAdminRejTimer  
llcSapAdminBusyTimer  
llcSapAdminInactTimer  
llcSapAdminDelayAckCount  
llcSapAdminDelayAckTimer  
llcSapAdminNw  
llcSapOperStatus  
llcSapOperNumCcs  
llcSapOperHiWaterNumCcs  
llcSapOperLlc2Support  
llcSapStatsLocalBusies  
llcSapStatsRemoteBusies  
llcSapStatsIFramesIn

llcSapStatsIFramesOut  
llcSapStatsIOctetsIn  
llcSapStatsIOctetsOut  
llcSapStatsSFramesIn  
llcSapStatsSFramesOut  
llcSapStatsRetransmitsOut  
llcSapStatsREJsIn  
llcSapStatsREJsOut  
llcSapStatsWwCount  
llcSapStatsTESTCommandsIn  
llcSapStatsTESTCommandsOut  
llcSapStatsTESTResponsesIn  
llcSapStatsTESTResponsesOut  
llcSapStatsXIDCommandsIn  
llcSapStatsXIDCommandsOut  
llcSapStatsXIDResponsesIn  
llcSapStatsXIDResponsesOut  
llcSapStatsUIFramesIn  
llcSapStatsUIFramesOut  
llcSapStatsUIOctetsIn  
llcSapStatsUIOctetsOut  
llcSapStatsConnectOk  
llcSapStatsConnectFail  
llcSapStatsDisconnect  
llcSapStatsDisconnectFRMRSend

llcSapStatsDisconnectFRMRRev  
llcSapStatsDisconnectTimer  
llcSapStatsDMsInABM  
llcSapStatsSABMEsInABM  
llcCcRMac  
llcCcRSap  
llcCcAdminBounce  
llcCcAdminMaxPDUOctets  
llcCcAdminMaxUnackedIPDUssend  
llcCcAdminMaxUnackedIPDUssrv  
llcCcAdminMaxRetransmits  
llcCcAdminAckTimer  
llcCcAdminPbitTimer  
llcCcAdminRejTimer  
llcCcAdminBusyTimer  
llcCcAdminInactTimer  
llcCcAdminDelayAckCount  
llcCcAdminDelayAckTimer  
llcCcAdminNw  
llcCcAdminRowStatus  
llcCcOperState  
llcCcOperMaxIPDUOctetsSend  
llcCcOperMaxIPDUOctetsRcv  
llcCcOperMaxUnackedIPDUssend  
llcCcOperMaxUnackedIPDUssrv

llcCcOperMaxRetransmits  
llcCcOperAckTimer  
llcCcOperPbitTimer  
llcCcOperRejTimer  
llcCcOperBusyTimer  
llcCcOperInactTimer  
llcCcOperDelayAckCount  
llcCcOperDelayAckTimer  
llcCcOperNw  
llcCcOperWw  
llcCcOperCreateTime  
llcCcOperLastModifyTime  
llcCcOperLastFailTime  
llcCcOperLastFailCause  
llcCcOperLastFailFRMRInfo  
llcCcOperLastWwCause  
llcCcStatsLocalBusies  
llcCcStatsRemoteBusies  
llcCcStatsIFramesIn  
llcCcStatsIFramesOut  
llcCcStatsIOctetsIn  
llcCcStatsIOctetsOut  
llcCcStatsSFramesIn  
llcCcStatsSFramesOut  
llcCcStatsRetransmitsOut

llcCcStatsREJsIn  
llcCcStatsREJsOut  
llcCcStatsWwCount  
rsrbVirtRingIndex  
rsrbVirtRingIPAddr  
rsrbVirtRingMaxTcpQSize  
rsrbRemotePeerIndex  
rsrbRemotePeerEncapsulation  
rsrbRemotePeerIPAddr  
rsrbRemotePeerLocalIfIndex  
rsrbRemotePeerState  
rsrbRemotePeerPacketsRx  
rsrbRemotePeerPacketsTx  
rsrbRemotePeerBytesRx  
rsrbRemotePeerBytesTx  
rsrbRemotePeerExplorersRx  
rsrbRemotePeerTcpQueue  
rsrbRemotePeerDrops  
rsrbRemotePeerLocalAck  
rsrbRemotePeerVersion  
rsrbRingIndex  
rsrbRingBridge  
rsrbRingLocal  
rsrbRingType  
rsrbRingMacAddr

rsrbRingLocalIfIndex  
rsrbRingRemoteIpAddress  
rsrbRingNbrPacketsFwd  
sdlcPortAdminName  
sdlcPortAdminRole  
sdlcPortAdminType  
sdlcPortAdminTopology  
sdlcPortAdminISTATUS  
sdlcPortAdminACTIVTO  
sdlcPortAdminPAUSE  
sdlcPortAdminSERVLIM  
sdlcPortAdminSlowPollTimer  
sdlcPortOperName  
sdlcPortOperRole  
sdlcPortOperType  
sdlcPortOperTopology  
sdlcPortOperISTATUS  
sdlcPortOperACTIVTO  
sdlcPortOperPAUSE  
sdlcPortOperSlowPollMethod  
sdlcPortOperSERVLIM  
sdlcPortOperSlowPollTimer  
sdlcPortOperLastModifyTime  
sdlcPortOperLastFailTime  
sdlcPortOperLastFailCause

sdlcPortStatsPhysicalFailures  
sdlcPortStatsInvalidAddresses  
sdlcPortStatsDwarfFrames  
sdlcPortStatsPollsIn  
sdlcPortStatsPollsOut  
sdlcPortStatsPollRspIn  
sdlcPortStatsPollRspOut  
sdlcPortStatsLocalBusies  
sdlcPortStatsRemoteBusies  
sdlcPortStatsIFramesIn  
sdlcPortStatsIFramesOut  
sdlcPortStatsOctetsIn  
sdlcPortStatsOctetsOut  
sdlcPortStatsProtocolErrs  
sdlcPortStatsActivityTOs  
sdlcPortStatsRNRLIMITs  
sdlcPortStatsRetriesExps  
sdlcPortStatsRetransmitsIn  
sdlcPortStatsRetransmitsOut  
sdlcLSAddress  
sdlcLSAdminName  
sdlcLSAdminState  
sdlcLSAdminISTATUS  
sdlcLSAdminMAXDATASend  
sdlcLSAdminMAXDATARcv

sdlcLSAdminREPLYTO  
sdlcLSAdminMAXIN  
sdlcLSAdminMAXOUT  
sdlcLSAdminMODULO  
sdlcLSAdminRETRIESt  
sdlcLSAdminRETRIESt  
sdlcLSAdminRETRIESt  
sdlcLSAdminRNRLIMIT  
sdlcLSAdminDATMODE  
sdlcLSAdminGPoll  
sdlcLSAdminSimRim  
sdlcLSAdminXmitRcvCap  
sdlcLSAdminRowStatus  
sdlcLSOperName  
sdlcLSOperRole  
sdlcLSOperState  
sdlcLSOperMAXDATASend  
sdlcLSOperREPLYTO  
sdlcLSOperMAXIN  
sdlcLSOperMAXOUT  
sdlcLSOperMODULO  
sdlcLSOperRETRIESt  
sdlcLSOperRETRIESt  
sdlcLSOperRETRIESt  
sdlcLSOperRNRLIMIT

sdlcLSOperDATMODE  
sdlcLSOperLastModifyTime  
sdlcLSOperLastFailTime  
sdlcLSOperLastFailCause  
sdlcLSOperLastFailCtrlIn  
sdlcLSOperLastFailCtrlOut  
sdlcLSOperLastFailFRMRInfo  
sdlcLSOperLastFailREPLYTOs  
sdlcLSOperEcho  
sdlcLSOperGPoll  
sdlcLSOperSimRim  
sdlcLSOperXmitRcvCap  
sdlcLSStatsBLUsIn  
sdlcLSStatsBLUsOut  
sdlcLSStatsOctetsIn  
sdlcLSStatsOctetsOut  
sdlcLSStatsPollsIn  
sdlcLSStatsPollsOut  
sdlcLSStatsPollRspIn  
sdlcLSStatsPollRspOut  
sdlcLSStatsLocalBusies  
sdlcLSStatsRemoteBusies  
sdlcLSStatsIFramesIn  
sdlcLSStatsIFramesOut  
sdlcLSStatsUIFramesIn

sdlcLSStatsUIFramesOut  
sdlcLSStatsXIDsIn  
sdlcLSStatsXIDsOut  
sdlcLSStatsTESTsIn  
sdlcLSStatsTESTsOut  
sdlcLSStatsREJsIn  
sdlcLSStatsREJsOut  
sdlcLSStatsFRMRsIn  
sdlcLSStatsFRMRsOut  
sdlcLSStatsSIMsIn  
sdlcLSStatsSIMsOut  
sdlcLSStatsRIMsIn  
sdlcLSStatsRIMsOut  
sdlcLSStatsDISCIn  
sdlcLSStatsDISCOut  
sdlcLSStatsUAIn  
sdlcLSStatsUAOut  
sdlcLSStatsDMIn  
sdlcLSStatsDMOut  
sdlcLSStatsSNRMIn  
sdlcLSStatsSNRMOut  
sdlcLSStatsProtocolErrs  
sdlcLSStatsActivityTOs  
sdlcLSStatsRNRLIMITs  
sdlcLSStatsRetriesExps

sdlcLSStatsRetransmitsIn  
sdlcLSStatsRetransmitsOut  
stunGroupIndex  
stunProtocolType  
stunPortGroupIndex  
stunPortDefaultPeerType  
stunPortDefaultPeerIP  
stunPortDefaultPeerSerialInterface  
stunRouteStationAddress  
stunRouteType  
stunRouteRemoteIP  
stunRouteSerialInterface  
stunRoutePriority  
stunRoutePeerState  
stunRouteLocalAck  
stunRouteRxPackets  
stunRouteTxPackets  
stunRouteRxBytes  
stunRouteTxBytes  
convSdlcPortVirtMacAddr  
convSdlcPortVirtRing  
convSdlcPortBridge  
convSdlcPortLlc2Ring  
convSdlcPortLocalAck  
convSdlcPortLocalAckState

convSdlcPortMaxLlc2FrameSize  
convSdlcAddrSdlcAddr  
convSdlcAddrPartnerMacAddr  
convSdlcAddrXID  
convSdlcAddrState  
convSdlcAddrMaxSdlcFrameSize

## Cisco IOS Release 11.1

The following list identifies the MIB variables introduced with Cisco IOS Release 11.1:

busAdminStatus  
busAtmAddrActl  
busAtmAddrMask  
busAtmAddrSpec  
busElanName  
busFrmTimeOuts  
busIfIndex  
busIndex  
busLanType  
busMaxFrm  
busMaxFrmAge  
busMultiFwdVci  
busMultiFwdVpi  
busOperStatus  
busOutFwdNUcastFrms  
busOutFwdOctets

busOutFwdUcastFrms  
busStatus  
busSubIfNum  
busUpTime  
cardContainedByIndex  
cardIfCardIndex  
cardIfConnectorTypeEnabled  
cardOperStatus  
cardSlots  
ccmHistoryEventCommandSource  
ccmHistoryEventCommandSourceAddress  
ccmHistoryEventConfigDestination  
ccmHistoryEventConfigSource  
ccmHistoryEventEntriesBumped  
ccmHistoryEventFile  
ccmHistoryEventIndex  
ccmHistoryEventRcpUser  
ccmHistoryEventServerAddress  
ccmHistoryEventTable  
ccmHistoryEventTerminalLocation  
ccmHistoryEventTerminalNumber  
ccmHistoryEventTerminalType  
ccmHistoryEventTerminalUser  
ccmHistoryEventTime  
ccmHistoryEventVirtualHostName

ccmHistoryMaxEventEntries  
ccmHistoryRunningLastChanged  
ccmHistoryRunningLastSaved  
ccmHistoryStartupLastChanged  
chassisChangeTrap  
cipCardApplicationCompileInfo  
cipCardApplicationNameIndex  
cipCardApplicationRevision  
cipCardEntryMajorHWRevisionNr  
cipCardEntryMajorSWRevisionNr  
cipCardEntryMinorHWRevisionNr  
cipCardEntryMinorSWRevisionNr  
ciscoDlswActiveCircuits  
ciscoDlswCircuitCreates  
ciscoDlswCircuitDiscReasonLocal  
ciscoDlswCircuitDiscReasonRemote  
ciscoDlswCircuitDiscReasonRemoteData  
ciscoDlswCircuitEntryTime  
ciscoDlswCircuitFCHalveWndwRcvds  
ciscoDlswCircuitFCHalveWndwSents  
ciscoDlswCircuitFCLargestRecvGranted  
ciscoDlswCircuitFCLargestSendGranted  
ciscoDlswCircuitFCRecvCurrentWndw  
ciscoDlswCircuitFCRecvGrantedUnits  
ciscoDlswCircuitFCResetOpRcvds

ciscoDlswCircuitFCResetOpSents  
ciscoDlswCircuitFCSendCurrentWndw  
ciscoDlswCircuitFCSendGrantedUnits  
ciscoDlswCircuitOrigin  
ciscoDlswCircuitPriority  
ciscoDlswCircuitS1CircuitId  
ciscoDlswCircuitS1Dlc  
ciscoDlswCircuitS1DlcType  
ciscoDlswCircuitS1IfIndex  
ciscoDlswCircuitS1Mac  
ciscoDlswCircuitS1RouteInfo  
ciscoDlswCircuitS1Sap  
ciscoDlswCircuitS2CircuitId  
ciscoDlswCircuitS2Location  
ciscoDlswCircuitS2Mac  
ciscoDlswCircuitS2Sap  
ciscoDlswCircuitS2TAddress  
ciscoDlswCircuitS2TDomain  
ciscoDlswCircuitState  
ciscoDlswCircuitStateTime  
ciscoDlswIfRowStatus  
ciscoDlswIfSapList  
ciscoDlswIfVirtualSegment  
ciscoDlswResourceMacExclusivity  
ciscoDlswResourceNBExclusivity

ciscoDlswStatus  
ciscoDlswStdPacingSupport  
ciscoDlswTConnConfigAdvertiseMacNB  
ciscoDlswTConnConfigEntryType  
ciscoDlswTConnConfigGroupDefinition  
ciscoDlswTConnConfigIndex  
ciscoDlswTConnConfigInitCirRecvWdw  
ciscoDlswTConnConfigLastModifyTime  
ciscoDlswTConnConfigLocalTAddr  
ciscoDlswTConnConfigOpens  
ciscoDlswTConnConfigRemoteTAddr  
ciscoDlswTConnConfigRowStatus  
ciscoDlswTConnConfigSapList  
ciscoDlswTConnConfigSetupType  
ciscoDlswTConnConfigTDomain  
ciscoDlswTConnOperCirCreates  
ciscoDlswTConnOperCircuits  
ciscoDlswTConnOperConfigIndex  
ciscoDlswTConnOperConnectTime  
ciscoDlswTConnOperCURExRcvds  
ciscoDlswTConnOperCURExSents  
ciscoDlswTConnOperDiscActiveCir  
ciscoDlswTConnOperDiscReason  
ciscoDlswTConnOperDiscTime  
ciscoDlswTConnOperEntryTime

ciscoDlswTConnOperFlowCntlMode  
ciscoDlswTConnOperICRexRcvds  
ciscoDlswTConnOperICRexSents  
ciscoDlswTConnOperInCntlPkts  
ciscoDlswTConnOperInDataOctets  
ciscoDlswTConnOperInDataPkts  
ciscoDlswTConnOperLocalTAddr  
ciscoDlswTConnOperNQexRcvds  
ciscoDlswTConnOperNQexSents  
ciscoDlswTConnOperNRexRcvds  
ciscoDlswTConnOperNRexSents  
ciscoDlswTConnOperOutCntlPkts  
ciscoDlswTConnOperOutDataOctets  
ciscoDlswTConnOperOutDataPkts  
ciscoDlswTConnOperPartnerInitPacingWndw  
ciscoDlswTConnOperPartnerMacExcl  
ciscoDlswTConnOperPartnerMacInfo  
ciscoDlswTConnOperPartnerNBExcl  
ciscoDlswTConnOperPartnerNBInfo  
ciscoDlswTConnOperPartnerSapList  
ciscoDlswTConnOperPartnerVendorID  
ciscoDlswTConnOperPartnerVersion  
ciscoDlswTConnOperPartnerVersionStr  
ciscoDlswTConnOperRemoteTAddr  
ciscoDlswTConnOperState

ciscoDlswTConnOperTDomain  
ciscoDlswTConnStatActiveConnections  
ciscoDlswTConnStatCloseBusys  
ciscoDlswTConnStatCloseIdles  
ciscoDlswTConnTcpConfigKeepAliveInt  
ciscoDlswTConnTcpConfigMaxSegmentSize  
ciscoDlswTConnTcpConfigTcpConnections  
ciscoDlswTConnTcpOperKeepAliveInt  
ciscoDlswTConnTcpOperPrefTcpConnections  
ciscoDlswTConnTcpOperTcpConnections  
ciscoDlswTrapCntlCircuit  
ciscoDlswTrapCntlTConn  
ciscoDlswTrapCntlTConnPartnerReject  
ciscoDlswTrapCntlTConnProtViolation  
ciscoDlswTrapControl  
ciscoDlswUpTime  
ciscoDlswVendorID  
ciscoDlswVersion  
ciscoDlswVersionString  
ciscoDlswVirtualSegmentLFSize  
ciscoRptrPortIllegalAddrFirstHeard  
ciscoRptrPortIllegalAddrLastHeard  
ciscoRptrPortIllegalAddrTotalCount  
ciscoRptrPortIllegalAddrTrapAcked  
ciscoRptrPortIllegalAddrTrapEnabled

ciscoRptrPortLastIllegalAddrCount  
dspuLuOperLastActivationFailureReason  
dspuPuAdminRemoteAddress  
dspuPuOperRemoteAddress  
lecsAdminStatus  
lecsAtmAddrActual  
lecsAtmAddrConfigAddress  
lecsAtmAddrConfigElanName  
lecsAtmAddrConfigMask  
lecsAtmAddrConfigStatus  
lecsAtmAddrIndex  
lecsAtmAddrLastUsed  
lecsAtmAddrMask  
lecsAtmAddrSpec  
lecsAtmAddrState  
lecsAtmAddrStatus  
lecsConfigDirectConnDst  
lecsConfigDirectConnSrc  
lecsConfigDirectConnVci  
lecsConfigDirectConnVCType  
lecsConfigDirectConnVpi  
lecsConfigTableName  
lecsConfigTblDefaultElanName  
lecsConfigTblName  
lecsConfigTblStatus

lecsElanAccess  
lecsElanConfigName  
lecsElanConfigStatus  
lecsElanLesAtmAddr  
lecsInConfigErrors  
lecsInConfigReqs  
lecsLastFailCause  
lecsLastFailLec  
lecsMacConfigAddress  
lecsMacConfigElanName  
lecsMacConfigLastUsed  
lecsMacConfigStatus  
lecsOperStatus  
lecsOutConfigFails  
lecsStatus  
lecsUpTime  
lesAdminStatus  
lesAtmAddrActual  
lesAtmAddrMask  
lesAtmAddrSpec  
lesClientAtmAddr  
lesClientControlVci  
lesClientControlVpi  
lesClientIfIndex  
lesClientLecid

lesClientState  
lesClientStatus  
lesColocBusAtmAddrActl  
lesColocBusAtmAddrMask  
lesColocBusAtmAddrSpec  
lesControlDistVci  
lesControlDistVpi  
lesElanName  
lesIfIndex  
lesInConfigFails  
lesInConfigResps  
lesIndex  
lesInErrorLastLec  
lesInErrors  
lesInFlushReplies  
lesInJoinReqs  
lesInLearpBroadcasts  
lesInLearpResps  
lesInLearpUcasts  
lesInNarpReqs  
lesInRegisReqs  
lesInTopolReqs  
lesInUnregReqs  
lesJoinLastFailCause  
lesJoinLastFailLec

lesJoinTimeout  
lesLanType  
lesLecsAtmAddr  
lesMacRegAtmAddr  
lesMacRegLecid  
lesMacRegMacAddress  
lesMaxFrm  
lesOperStatus  
lesOutConfigReqs  
lesOutJoinFails  
lesOutLearpFwd  
lesOutRegisFails  
lesRegisLastFailCause  
lesRegisLastFailLec  
lesStatus  
lesSubIfNum  
lesUpTime  
sysUpTimeAtLastChassisChange

## Obsoleted in Release 11.1

The Host Configuration File objects were obsoleted in Release 11.1.

## Cisco IOS Release 11.1(3)

The following list identifies the MIB variables introduced with Cisco IOS Release 11.1(3):

ciscoICsuDsuEnableSw56LoopStatusNotification

ciscoICsuDsuEnableT1LoopStatusNotification

ciscoICsuDsuEndTimeOfLastLoopback

ciscoICsuDsuHwRevision

ciscoICsuDsuLastSelfTestResult

ciscoICsuDsuLoopbackCode

ciscoICsuDsuLoopbackDuration

ciscoICsuDsuLoopbackNumErrors

ciscoICsuDsuLoopbackPattern

ciscoICsuDsuLoopbackPoint

ciscoICsuDsuLoopbackStatus

ciscoICsuDsuNumResets

ciscoICsuDsuProtocolRevision

ciscoICsuDsuSw56kClockSource

ciscoICsuDsuSw56kDialingStatus

ciscoICsuDsuSw56kLoopRate

ciscoICsuDsuSw56kLoopRateSearches

ciscoICsuDsuSw56kLoopStatus

ciscoICsuDsuSw56kLoopStatusNotification

ciscoICsuDsuSw56kLostFrameSyncs

ciscoICsuDsuSw56kLostReceiveSignals

ciscoICsuDsuSw56kLostSealingCurrents

ciscoICsuDsuSw56kNetworkType

ciscoICsuDsuSw56kReceivedOosOofs  
ciscoICsuDsuSw56kRemoteLoopbackEnabled  
ciscoICsuDsuSw56kScramblerEnabled  
ciscoICsuDsuSwRevision  
ciscoICsuDsuT1AlarmIndicationSignals  
ciscoICsuDsuT1DteLineCode  
ciscoICsuDsuT1FullBandwidthRemoteLoopcode  
ciscoICsuDsuT1LineBuildOut  
ciscoICsuDsuT1LoopStatus  
ciscoICsuDsuT1LoopStatusNotification  
ciscoICsuDsuT1LossOfFrames  
ciscoICsuDsuT1LossOfSignals  
ciscoICsuDsuT1PayloadRemoteLoopcode  
ciscoICsuDsuT1RemoteAlarmIndications  
ciscoICsuDsuT1SupportRemoteAlarmIndication  
ciscoICsuDsuTimeOfLastReset  
ciscoICsuDsuTimeOfLastSelfTest  
ciscoICsuDsuType  
ciscoICsuDsuUserDefinedPattern

## Cisco IOS Release 11.2

The following list identifies the MIB variables introduced with Cisco IOS Release 11.2:

cieAlgorithmType  
cieConfiguredAlgorithms  
cieConnIndex  
cieConnStatus

cieEncryptionKeyTimeout  
cieEngineCardIndex  
cieEngineID  
cieEnginePublicKey  
cieEpaAuthenticated  
cieEpaMode  
cieEpaTampered  
cieLocalTimeEstablished  
cieNumberOfConnections  
cieNumberOfCryptoEngines  
ciePktsDecrypted  
ciePktsDropped  
ciePktsEncrypted  
cieProtectedAddr  
cieTestCompletion  
cieTestConnCryptoMapName  
cieTestConnCryptoMapTagNumber  
cieTestConnEntryOwner  
cieTestConnEntryStatus  
cieTestConnProtectedAddr  
cieTestConnSerialNumber  
cieTestConnSessionStatus  
cieTestConnTrapOnCompletion  
cieTestConnUnprotectedAddr  
cieUnprotectedAddr

clogHistFacility  
clogHistIndex  
clogHistMsgName  
clogHistMsgsFlushed  
clogHistMsgText  
clogHistSeverity  
clogHistTableMaxLength  
clogHistTimestamp  
clogMaxSeverity  
clogMessageGenerated  
clogMsgDrops  
clogMsgIgnores  
clogNotificationsEnabled  
clogNotificationsSent  
cm2400OrLessConnections  
cm2400To14400Connections  
cmATModePermit  
cmBad  
cmBusyOutRequest  
cmCallDirection  
cmCallDuration  
cmCallerID  
cmCallPhoneNumber  
cmDialTimeouts  
cmDisconnectReason

cmFailedDialAttempts  
cmGreaterThan14400Connections  
cmGroup  
cmGroupIndex  
cmGroupTotalDevices  
cmHoldReset  
cmIncomingConnectionCompletions  
cmIncomingConnectionFailures  
cmInterface  
cmLinkFailures  
cmManageable  
cmManufacturerID  
cmModulationSchemeUsed  
cmNoCarriers  
cmNoDialTones  
cmOutgoingConnectionCompletions  
cmOutgoingConnectionFailures  
cmPollingTimeouts  
cmPortIndex  
cmProductDetails  
cmProtocolErrors  
cmProtocolUsed  
cmRingNoAnswers  
cmRXAnalogSignalLevel  
cmRXRate

cmShutdown  
cmSlotIndex  
cmState  
cmStatusPolling  
cmSystemConfiguredGroup  
cmSystemInstalledModem  
cmSystemMaxRetries  
cmSystemStatusPollTime  
cmSystemWatchdogTime  
cmTXAnalogSignalLevel  
cmTXRate  
cmWatchdogTimeouts  
lecsConfigDirectConnDstType  
lecsLesAtmAddr  
lecsLesConfigStatus  
lecsLesConnState  
lecsLesPriority  
lecsMasterState  
rttMonApplMaxPacketDataSize  
rttMonApplNumCtrlAdminEntry  
rttMonApplPreConfigedName  
rttMonApplPreConfigedReset  
rttMonApplPreConfigedType  
rttMonApplPreConfigedValid  
rttMonApplReset

rttMonApplSupportedProtocols  
rttMonApplSupportedProtocolsValid  
rttMonApplSupportedRttTypes  
rttMonApplSupportedRttTypesValid  
rttMonApplTimeOfLastSet  
rttMonApplVersion  
rttMonConnectionChangeNotification  
rttMonCtrlAdminFrequency  
rttMonCtrlAdminIndex  
rttMonCtrlAdminOwner  
rttMonCtrlAdminRttType  
rttMonCtrlAdminStatus  
rttMonCtrlAdminTag  
rttMonCtrlAdminThreshold  
rttMonCtrlAdminTimeout  
rttMonCtrlAdminVerifyData  
rttMonCtrlOperConnectionLostOccurred  
rttMonCtrlOperDiagText  
rttMonCtrlOperModificationTime  
rttMonCtrlOperNumRtts  
rttMonCtrlOperOctetsInUse  
rttMonCtrlOperOverThresholdOccurred  
rttMonCtrlOperResetTime  
rttMonCtrlOperRttLife  
rttMonCtrlOperState

rttMonCtrlOperTimeoutOccurred  
rttMonEchoAdminPktDataRequestSize  
rttMonEchoAdminPktDataResponseSize  
rttMonEchoAdminProtocol  
rttMonEchoAdminTargetAddress  
rttMonFileIOAdminAction  
rttMonFileIOAdminFilePath  
rttMonFileIOAdminSize  
rttMonHistoryAdminFilter  
rttMonHistoryAdminNumBuckets  
rttMonHistoryAdminNumLives  
rttMonHistoryAdminNumSamples  
rttMonHistoryCollectionAddress  
rttMonHistoryCollectionAppSpecificSense  
rttMonHistoryCollectionBucketIndex  
rttMonHistoryCollectionCompletionTime  
rttMonHistoryCollectionLifeIndex  
rttMonHistoryCollectionSampleIndex  
rttMonHistoryCollectionSampleTime  
rttMonHistoryCollectionSense  
rttMonHistoryCollectionSenseDescription  
rttMonLatestRttOperAddress  
rttMonLatestRttOperAppSpecificSense  
rttMonLatestRttOperCompletionTime  
rttMonLatestRttOperSense

rttMonLatestRttOperSenseDescription  
rttMonLatestRttOperTime  
rttMonReactAdminActionType  
rttMonReactAdminConnectionEnable  
rttMonReactAdminThresholdCount  
rttMonReactAdminThresholdCount2  
rttMonReactAdminThresholdFalling  
rttMonReactAdminThresholdType  
rttMonReactAdminTimeoutEnable  
rttMonReactTriggerOperState  
rttMonReactTriggerAdminRttMonCtrlAdminIndex  
rttMonReactTriggerAdminStatus  
rttMonScheduleAdminConceptRowAgeout  
rttMonScheduleAdminRttLife  
rttMonScheduleAdminRttStartTime  
rttMonScriptAdminCmdLineParams  
rttMonScriptAdminName  
rttMonStatisticsAdminDistInterval  
rttMonStatisticsAdminNumDistBuckets  
rttMonStatisticsAdminNumHops  
rttMonStatisticsAdminNumHourGroups  
rttMonStatisticsAdminNumPaths  
rttMonStatsCaptureCompletions  
rttMonStatsCaptureCompletionTimeMax  
rttMonStatsCaptureCompletionTimeMin

rttMonStatsCaptureDistIndex  
rttMonStatsCaptureHopIndex  
rttMonStatsCaptureOverThresholds  
rttMonStatsCapturePathIndex  
rttMonStatsCaptureStartTimeIndex  
rttMonStatsCaptureSumCompletionTime  
rttMonStatsCaptureSumCompletionTime2High  
rttMonStatsCaptureSumCompletionTime2Low  
rttMonStatsCollectAddress  
rttMonStatsCollectBusies  
rttMonStatsCollectDrops  
rttMonStatsCollectNoConnections  
rttMonStatsCollectNumDisconnects  
rttMonStatsCollectSequenceErrors  
rttMonStatsCollectTimeouts  
rttMonStatsCollectVerifyErrors  
rttMonStatsTotalsElapsedTime  
rttMonStatsTotalsInitiations  
rttMonThresholdNotification  
rttMonTimeoutNotification  
tn3270sCpuCard  
tn3270sGlobalGenericPool  
tn3270sGlobalIdleTimeout  
tn3270sGlobalKeepAlive  
tn3270sGlobalTcpPort

tn3270sGlobalUnbindAction  
tn3270sIndex  
tn3270sIpClientAddr  
tn3270sIpClientTcpPort  
tn3270sIpLuIndex  
tn3270sIpPuIndex  
tn3270sLocalSapAddress  
tn3270sLuAppnLinkIndex  
tn3270sLuClientAddr  
tn3270sLuClientTcpPort  
tn3270sLuCurInbPacing  
tn3270sLuCurInbQsize  
tn3270sLuCurOutQsize  
tn3270sLuEvents  
tn3270sLuIdleTime  
tn3270sLuIndex  
tn3270sLuLastEvent  
tn3270sLuLfsid  
tn3270sLuPuIndex  
tn3270sLusInUse  
tn3270sLuState  
tn3270sLuTelnetType  
tn3270sLuTermModel  
tn3270sLuType  
tn3270sMaxLus

tn3270sPuGenericPool  
tn3270sPuIdleTimeout  
tn3270sPuIndex  
tn3270sPuIpAddr  
tn3270sPuKeepAlive  
tn3270sPuLuSeed  
tn3270sPuState  
tn3270sPuTcpPort  
tn3270sPuType  
tn3270sPuUnbindAction  
tn3270sRemoteMacAddress  
tn3270sRemoteSapAddress  
tn3270sStartupTime  
tn3270sStatsConnectsIn  
tn3270sStatsDisconnects  
tn3270sStatsInboundTransactions  
tn3270sStatsMaxSess  
tn3270sStatsNetSampledInboundTransactionRespTime  
tn3270sStatsNetSampledOutboundTransactionRespTime  
tn3270sStatsOutboundTransactions  
tn3270sStatsSampledInboundTransactions  
tn3270sStatsSampledOutboundTransactions  
tn3270sStatsServerAddr  
tn3270sStatsServerTcpPort  
tn3270sStatsSpareSess

tn3270sStatsTN3270ConnectsFailed

tn3270sTimingMarkSupported