

ZebOS-XP™ 1.4 Layer 3 MIBs

For additional information, please contact marketing@ipinfusion.com.

Release Dates

- December 2014 - 1.2
- July 2015 - 1.3
- December 2015 - 1.4

Supported RFCs

RIP	1724
OSPFV2	4750
OSPFv3	5643
BGP	4273
ISIS	4444
VRRP	6527

RIP

OID	MIB Object	MIB Description	Supported in ZebOS (Y/N)	Protocol API/Data structure	Remarks
1.3.6.1.2.1.23.1.1	rip2GlobalRouteChanges::= { mib-2 rip2 rip2Globals 1 }	The number of route changes made to the IP Route database by RIP. This does not include the refresh of a route's age	Y	rip2_get_global_route_changes	
1.3.6.1.2.1.23.1.2	rip2GlobalQueries::= { mib-2 rip2 rip2Globals 2 }	The number of responses sent to RIP queries from other systems	Y	rip2_get_global_queries	
1.3.6.1.2.1.23.2.1.1	rip2IfStatAddress::= { mib-2 rip2 rip2IfStatTable rip2IfStatEntry 1 }	The IP Address of this system on the indicated subnet. For unnumbered interfaces, the value 0.0.0.N, where the least significant 24 bits (N) is the ifIndex for the IP Interface in network byte order	Y	rip2_get_if_stat_addr, rip2_get_next_if_stat_addr	
1.3.6.1.2.1.23.2.1.2	rip2IfStatRcvBadPackets::= { mib-2 rip2 rip2IfStatTable rip2IfStatEntry 2 }	The number of RIP response packets received by the RIP process which were subsequently discarded for any reason	Y	rip2_get_if_stat_rcv_bad_packets, rip2_get_next_if_stat_rcv_bad_packets	
1.3.6.1.2.1.23.2.1.3	rip2IfStatRcvBadRoutes::= { mib-2 rip2 rip2IfStatTable rip2IfStatEntry 3 }	The number of routes, in valid RIP packets, which were ignored for any reason	Y	rip2_get_if_stat_rcv_bad_routes, rip2_get_next_if_stat_rcv_bad_routes	
1.3.6.1.2.1.23.2.1.4	rip2IfStatSentUpdates::= { mib-2 rip2 rip2IfStatTable rip2IfStatEntry 4 }	The number of triggered RIP updates actually sent on this interface. This explicitly does NOT include full updates sent containing new information	Y	rip2_get_if_stat_sent_updates, rip2_get_next_if_stat_sent_updates	
1.3.6.1.2.1.23.2.1.5	rip2IfStatStatus::= { mib-2 rip2 rip2IfStatTable rip2IfStatEntry 5 }	Writing invalid has the effect of Deleting this interface.	Y	rip2_get_if_stat_status, rip2_get_next_if_stat_status	
1.3.6.1.2.1.23.3.1.1	rip2IfConfAddress::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 1 }	The IP Address of this system on the indicated subnet. For unnumbered interfaces, the value 0.0.0.N, where the least significant 24 bits (N) is the ifIndex for the IP Interface in network byte order	Y	rip2_get_if_conf_address, rip2_get_next_if_conf_address	
1.3.6.1.2.1.23.3.1.2	rip2IfConfDomain::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 2 }	Value inserted into the Routing Domain field of all RIP packets sent on this interface.	Y	rip2_get_if_conf_domain, rip2_get_next_if_conf_domain	
1.3.6.1.2.1.23.3.1.3	rip2IfConfAuthType::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 3 }	The type of Authentication used on this interface	Y	rip2_get_if_conf_auth_type, rip2_get_next_if_conf_auth_type	
1.3.6.1.2.1.23.3.1.4	rip2IfConfAuthKey::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 4 }	The value to be used as the Authentication key whenever the corresponding instance of rip2IfConfAuthType has a value other than no Authentication	Y	rip2_get_if_conf_auth_key, rip2_get_next_if_conf_auth_key	
1.3.6.1.2.1.23.3.1.5	rip2IfConfSend::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 5 }	What the router sends on this interface.	Y	rip2_get_if_conf_send, rip2_get_next_if_conf_send	
1.3.6.1.2.1.23.3.1.6	rip2IfConfReceive::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 6 }	This indicates which version of RIP update accepted .Note that rip2 and rip1OrRip2 implies reception of multicast packets.	Y	rip2_get_if_conf_receive, rip2_get_next_if_conf_receive	
1.3.6.1.2.1.23.3.1.7	rip2IfConfDefaultMetric::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 7 }	This variable indicates the metric that is to be used for the default route entry in RIP updates originated on this interface.	Y	rip2_get_if_conf_default_metric, rip2_get_next_if_conf_default_metric	
1.3.6.1.2.1.23.3.1.8	rip2IfConfStatus::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 8 }	Writing invalid has the effect of deleting this interface	Y	rip2_get_if_conf_status , rip2_get_next_if_conf_status	
1.3.6.1.2.1.23.3.1.9	rip2IfConfSrcAddress::= { mib-2 rip2 rip2IfConfTable rip2IfConfEntry 9 }	The IP Address this system will use as a source address on this interface	Y	rip2_get_if_conf_src_address , rip2_get_next_if_conf_src_address	
1.3.6.1.2.1.23.4.1.1	rip2PeerAddress::= { mib-2 rip2 rip2PeerTable rip2PeerEntry 1 }	The IP Address that the peer is using as its source address	Y	rip2_get_peer_address, rip2_get_next_peer_address	
1.3.6.1.2.1.23.4.1.2	rip2PeerDomain::= { mib-2 rip2 rip2PeerTable rip2PeerEntry 2 }	The value in the Routing Domain field in RIP packets received from the peer	Y	rip2_get_peer_domain, rip2_get_next_peer_domain	
1.3.6.1.2.1.23.4.1.3	rip2PeerLastUpdate::= { mib-2 rip2 rip2PeerTable rip2PeerEntry 3 }	The value of sysUpTime when the most recent RIP update was received from this system	Y	rip2_get_peer_last_updates, rip2_get_next_peer_last_updates	
1.3.6.1.2.1.23.4.1.4	rip2PeerVersion::= { mib-2 rip2 rip2PeerTable rip2PeerEntry 4 }	The RIP version number in the header of the last RIP packet received	Y	rip2_get_peer_version, rip2_get_next_peer_version	
1.3.6.1.2.1.23.4.1.5	rip2PeerRcvBadPackets::= { mib-2 rip2 rip2PeerTable rip2PeerEntry 5 }	The number of RIP response packets from this peer discarded as invalid	Y	rip2_get_peer_rcv_bad_packets, rip2_get_next_peer_rcv_bad_packets	
1.3.6.1.2.1.23.4.1.6	rip2PeerRcvBadRoutes::= { mib-2 rip2 rip2PeerTable rip2PeerEntry 6 }	The number of routes from this peer that were ignored because the entry format was invalid	Y	rip2_get_peer_rcv_bad_routes, rip2_get_next_peer_rcv_bad_routes	
1.3.6.1.2.1.23.5.(1.1 to 2.1)	rip2Conformance::={mib-2 rip2 5}	Conformance information	Y		

OID	MIB Object	MIB Description	Supported in RACS (Y/N)	Protocol AP/Data structure	Remarks
1.3.6.1.2.1.4.1.1	ospfRouterId::=[mb-2 ospfGeneralGroup 1]	A 32-bit integer uniquely identifying the router in the Autonomous System.	Y	ospf_get_router_id ospf_set_router_id	
1.3.6.1.2.1.4.1.2	ospfAdminStat::=[mb-2 ospfGeneralGroup 2]	The administrative status of OSPF in the router.	Y	ospf_get_admin_stat ospf_set_admin_stat	
1.3.6.1.2.1.4.1.3	ospfVersionNumber::=[mb-2 ospfGeneralGroup 3]	Current version of the OSPF protocol[2]	Y	ospf_get_version_number	
1.3.6.1.2.1.4.1.4	ospfAreaBdrRtrStatus::=[mb-2 ospfGeneralGroup 4]	A flag to note whether this router is an Area Border Router	Y	ospf_get_area_bdr_rtr_status ospf_set_area_bdr_rtr_status	
1.3.6.1.2.1.4.1.5	ospfIsBdrRtrStatus::=[mb-2 ospfGeneralGroup 5]	A flag to note whether this router is configured as an Autonomous System Border Router	Y	ospf_get_asbdr_rtr_status ospf_set_asbdr_rtr_status	
1.3.6.1.2.1.4.1.6	ospfExternLsaCount::=[mb-2 ospfGeneralGroup 6]	The number of external (LS type-5) link state advertisements in the link state database	Y	ospf_get_extern_lsa_count	
1.3.6.1.2.1.4.1.7	ospfExternLsaChecksumSum::=[mb-2 ospfGeneralGroup 7]	Sum of the LS checksums of the external link state advertisements contained in the link state database	Y	ospf_get_extern_lsa_checksum_sum	
1.3.6.1.2.1.4.1.8	ospfTOSupport::=[mb-2 ospfGeneralGroup 8]	The router's support for type-of-service routing	Y	ospf_get_tos_support ospf_set_tos_support	
1.3.6.1.2.1.4.1.9	ospfOriginateNewLsas::=[mb-2 ospfGeneralGroup 9]	The number of new link state advertisements that have been originated. This number is incremented each time the router originates a new LSA	Y	ospf_get_originate_new_lsas	
1.3.6.1.2.1.4.1.10	ospfRtrNewLsas::=[mb-2 ospfGeneralGroup 10]	The number of link state advertisements received that are determined to be new instantiations. This number does not include newer instantiations of self-originated link state advertisements	Y	ospf_get_rx_new_lsas	
1.3.6.1.2.1.4.1.11	ospfExtLsdbLimit::=[mb-2 ospfGeneralGroup 11]	The maximum number of non-default AS-external LSAs entries that can be stored in the link state database. If the value is -1, then there is no limit	Y	ospf_get_ext_lsdb_limit ospf_set_ext_lsdb_limit	
1.3.6.1.2.1.4.1.12	ospfMulticastExtensions::=[mb-2 ospfGeneralGroup 12]	A bit mask indicating whether the router is forwarding IP multicast (Class D) datagrams based on the algorithms defined in the multicast extensions to OSPF	Y	ospf_get_multicast_extensions ospf_set_multicast_extensions	
1.3.6.1.2.1.4.1.13	ospfExitOverflowInterval::=[mb-2 ospfGeneralGroup 13]	The number of seconds that, after entering OverflowState, a router will attempt to leave OverflowState	Y	ospf_get_exit_overflow_interval ospf_set_exit_overflow_interval	
1.3.6.1.2.1.4.1.14	ospfDemandExtensions::=[mb-2 ospfGeneralGroup 14]	The router's support for demand routing	Y	pf_get_demand_extensions pf_set_demand_extensions	
1.3.6.1.2.1.4.1.15	ospfRFC1853Compatibility::=[mb-2 ospfGeneralGroup 15]	Indicates metrics used to choose among multiple AS-external LSAs	Y	ospf_get_compatible_rfc1853 ospf_set_compatible_rfc1853	
1.3.6.1.2.1.4.1.16	ospfOpaqueLsaSupport::=[mb-2 ospfGeneralGroup 16]	The router's support for Opaque LSA types	Y	ospf_get_opaque_lsa_support	
1.3.6.1.2.1.4.1.17	ospfReferenceBandwidth::=[mb-2 ospfGeneralGroup 17]	Reference bandwidth in kilobits/second for calculating default interface metrics	Y	ospf_get_reference_bandwidth ospf_set_reference_bandwidth	
1.3.6.1.2.1.4.1.18	ospfRestartSupport::=[mb-2 ospfGeneralGroup 18]	The router's support for OSPF graceful restart	Y	ospf_get_restart_support ospf_set_restart_support	
1.3.6.1.2.1.4.1.19	ospfRestartInterval::=[mb-2 ospfGeneralGroup 19]	Configured OSPF graceful restart timeout interval	Y	ospf_get_restart_interval ospf_set_restart_interval	
1.3.6.1.2.1.4.1.20	ospfRestartStrictLsaChecking::=[mb-2 ospfGeneralGroup 20]	Indicates if strict LSA checking is enabled for graceful restart	Y	ospf_get_restart_strict_lsa_check	
1.3.6.1.2.1.4.1.21	ospfRestartStatus::=[mb-2 ospfGeneralGroup 21]	Current status of OSPF graceful restart	Y	ospf_get_restart_status	
1.3.6.1.2.1.4.1.22	ospfRestartAge::=[mb-2 ospfGeneralGroup 22]	Remaining time in current OSPF graceful restart interval	Y	ospf_get_restart_age	
1.3.6.1.2.1.4.1.23	ospfRestartExitReason::=[mb-2 ospfGeneralGroup 23]	Describes the outcome of the last attempt at a graceful restart	Y	ospf_get_restart_exit_reason	
1.3.6.1.2.1.4.1.24	ospfASLsaCount::=[mb-2 ospfGeneralGroup 24]	The number of AS-scope link state advertisements in the AS-scope link state database	Y	ospf_get_as_scope_lsa_count	
1.3.6.1.2.1.4.1.25	ospfASLsaChecksumSum::=[mb-2 ospfGeneralGroup 25]	sum of the LS checksums of the AS link state advertisements contained in the AS-scope link state database	Y	ospf_get_as_lsa_checksumsum	
1.3.6.1.2.1.4.1.26	ospfStubRouterSupport::=[mb-2 ospfGeneralGroup 26]	The router's support for stub router functionality	Y	ospf_get_stub_router_support	
1.3.6.1.2.1.4.1.27	ospfStubRouterAdvertisement::=[mb-2 ospfGeneralGroup 27]	This object controls the advertisement of stub routes via the ospf router	Y	ospf_get_stub_router_advertisemen	
1.3.6.1.2.1.4.1.28	ospfDiscontinuityTime::=[mb-2 ospfGeneralGroup 28]	The value of sysUpTime on the most recent occasion at which any one of this MIB's counters suffered a discontinuity	Y	ospf_get_discontinuity_time	
1.3.6.1.2.1.4.2.1.1	ospfAreaId::=[mb-2 ospfAreaTable ospfAreaEntry 1]	A 32-bit integer uniquely identifying an area	Y	ospf_get_area_id ospf_get_next_area_id	
1.3.6.1.2.1.4.2.1.2	ospfAuthType::=[mb-2 ospfAreaTable ospfAreaEntry 2]	The authentication type specified for an area	Y	ospf_get_auth_type ospf_set_auth_type	
1.3.6.1.2.1.4.2.1.3	ospfImportAsExtern::=[mb-2 ospfAreaTable ospfAreaEntry 3]	Indicates if an area is a stub area, NSSA, or standard area	Y	ospf_get_import_as_extern ospf_set_import_as_extern	
1.3.6.1.2.1.4.2.1.4	ospfSpfRuns::=[mb-2 ospfAreaTable ospfAreaEntry 4]	The number of times that the intra-area route table has been calculated using this area's link state database	Y	ospf_get_spf_runs ospf_get_next_spf_runs	
1.3.6.1.2.1.4.2.1.5	ospfAreaBdrRtrCount::=[mb-2 ospfAreaTable ospfAreaEntry 5]	The total number of Area Border Routers reachable within this area	Y	ospf_get_area_bdr_rtr_count ospf_get_next_area_bdr_rtr_count	
1.3.6.1.2.1.4.2.1.6	ospfAreaBdrRtrCount::=[mb-2 ospfAreaTable ospfAreaEntry 6]	The total number of Autonomous System Border Routers reachable within this area	Y	ospf_get_asbdr_rtr_count ospf_get_next_asbdr_rtr_count	
1.3.6.1.2.1.4.2.1.7	ospfAreaLsaCount::=[mb-2 ospfAreaTable ospfAreaEntry 7]	The total number of link state advertisements in this area's link state database, excluding AS-external LSAs	Y	ospf_get_area_lsa_count ospf_get_next_area_lsa_count	
1.3.6.1.2.1.4.2.1.8	ospfAreaLsaChecksumSum::=[mb-2 ospfAreaTable ospfAreaEntry 8]	The 32-bit sum of the link state advertisements' LS checksums contained in this area's link state database	Y	ospf_get_area_lsa_checksumsum ospf_get_next_area_lsa_checksumsum	
1.3.6.1.2.1.4.2.1.9	ospfAreaSummary::=[mb-2 ospfAreaTable ospfAreaEntry 9]	The variable ospfAreaSummary controls the import of summary LSAs into stub and NSSA areas	Y	ospf_get_area_summary ospf_get_next_area_summary ospf_set_area_summary	
1.3.6.1.2.1.4.2.1.10	ospfAreaStatus::=[mb-2 ospfAreaTable ospfAreaEntry 10]	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_area_status ospf_set_area_status	
1.3.6.1.2.1.4.2.1.11	ospfAreaNssaTranslatorRole::=[mb-2 ospfAreaTable ospfAreaEntry 11]	Indicates an NSSA border router's ability to perform NSSA translation of type-7 LSAs into type-5 LSAs	Y	ospf_get_area_nssa_translator_role ospf_set_area_nssa_translator_role	
1.3.6.1.2.1.4.2.1.12	ospfAreaNssaTranslatorState::=[mb-2 ospfAreaTable ospfAreaEntry 12]	Indicates if and how an NSSA border router is performing NSSA translation of type-7 LSAs into type-5 LSAs.	Y	ospf_get_area_nssa_translator_state ospf_get_next_area_nssa_translator_state	
1.3.6.1.2.1.4.2.1.13	ospfAreaNssaTranslatorStabilityInterval::=[mb-2 ospfAreaTable ospfAreaEntry 13]	The number of seconds after an elected translator determines its services are no longer required, that it should continue to perform its translation duties	Y	ospf_get_area_nssa_translator_stability_state ospf_get_next_area_nssa_translator_stability_state ospf_get_area_nssa_translator_stability_interval	
1.3.6.1.2.1.4.2.1.14	ospfAreaNssaTranslatorEvents::=[mb-2 ospfAreaTable ospfAreaEntry 14]	Indicates the number of translator state changes that have occurred since the last boot-up	Y	ospf_get_area_nssa_translator_events ospf_get_next_area_nssa_translator_events	
1.3.6.1.2.1.4.3.1.1	ospfStubAreaId::=[mb-2 ospfStubAreaTable ospfStubAreaEntry 1]	The 32-bit identifier for the stub area	Y	ospf_get_stub_area_id ospf_get_next_stub_area_id	
1.3.6.1.2.1.4.3.1.2	ospfStubTOS::=[mb-2 ospfStubAreaTable ospfStubAreaEntry 2]	The Type of Service associated with the metric	Y	ospf_get_stub_tos ospf_set_stub_tos	
1.3.6.1.2.1.4.3.1.3	ospfStubMetric::=[mb-2 ospfStubAreaTable ospfStubAreaEntry 3]	The metric value applied at the indicated Type of Service	Y	ospf_get_stub_metric ospf_get_next_stub_metric ospf_set_stub_metric	
1.3.6.1.2.1.4.3.1.4	ospfStubStatus::=[mb-2 ospfStubAreaTable ospfStubAreaEntry 4]	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_stub_status ospf_get_next_stub_status ospf_set_stub_status	
1.3.6.1.2.1.4.3.1.5	ospfStubMetricType::=[mb-2 ospfStubAreaTable ospfStubAreaEntry 5]	This variable displays the type of metric advertised as a default route	Y	ospf_get_stub_metric_type ospf_get_next_stub_metric_type ospf_set_stub_metric_type	
1.3.6.1.2.1.4.4.1.1	ospfStubAreaId::=[mb-2 ospfStubLsdbTable ospfStubEntry 1]	The 32-bit identifier of the area from which the LSA was received	Y	ospf_get_stub_area_id ospf_get_next_stub_area_id	
1.3.6.1.2.1.4.4.1.2	ospfStubLsdbType::=[mb-2 ospfStubLsdbTable ospfStubEntry 2]	The type of the link state advertisement	Y	ospf_get_stub_lsb_type ospf_set_stub_lsb_type	
1.3.6.1.2.1.4.4.1.3	ospfStubLsdb::=[mb-2 ospfStubLsdbTable ospfStubEntry 3]	The Link State ID is an LS Type-Specific field containing either a Router ID or an IP address; it identifies the piece of the routing domain that is being described by the advertisement	Y	ospf_get_stub_lsb_id ospf_set_stub_lsb_id	

1.3.6.1.2.1.14.4.1.4	ospfLsbRouterId::(mb-2 ospf ospfLsbTable ospfLsbEntry 4)	The sequence number field is a signed 32-bit integer. It starts with the value 00000001h, or 7FFFFFFh, and increments until 7FFFFFFh	Y	ospf_get_lsb_router_id ospf_get_next_lsb_router_id	
1.3.6.1.2.1.14.4.1.5	ospfLsbSequence::(mb-2 ospf ospfLsbTable ospfLsbEntry 5)	This field is the age of the link state advertisement in seconds	Y	ospf_get_lsb_sequence ospf_get_next_lsb_sequence	
1.3.6.1.2.1.14.4.1.6	ospfLsbAge::(mb-2 ospf ospfLsbTable ospfLsbEntry 6)	This field is the checksum of the complete contents of the advertisement, excepting the age field	Y	ospf_get_lsb_age ospf_get_next_lsb_age	
1.3.6.1.2.1.14.4.1.7	ospfLsbChecksum::(mb-2 ospf ospfLsbTable ospfLsbEntry 7)	The entire link state advertisement, including its header	Y	ospf_get_lsb_checksum ospf_get_next_lsb_checksum	
1.3.6.1.2.1.14.4.1.8	ospfLsbAdvertisement::(mb-2 ospf ospfLsbTable ospfLsbEntry 8)	The Address Range Table acts as an adjunct to the Area Table. It describes those Address Range Summaries that are configured to be propagated from an Area to reduce the amount of information about it that is known beyond its borders. It contains a set of IP address ranges specified by an IP address/IP network mask pair	Y	ospf_get_lsb_advertisement ospf_get_next_lsb_advertisement	
1.3.6.1.2.1.14.5.1.1	ospfAreaRangeAreaId::(mb-2 ospf ospfAreaRangeTable ospfAreaRangeEntry 1)	The area that the address range is to be found within	Y	ospf_get_area_range_area_id ospf_get_next_area_range_area_id	
1.3.6.1.2.1.14.5.1.2	ospfAreaRangeNet::(mb-2 ospf ospfAreaRangeTable ospfAreaRangeEntry 2)	The IP address of the net or subnet indicated by the range	Y	ospf_get_area_range_net ospf_get_next_area_range_net	
1.3.6.1.2.1.14.5.1.3	ospfAreaRangeMask::(mb-2 ospf ospfAreaRangeTable ospfAreaRangeEntry 3)	The subnet mask that pertains to the net or subnet	Y	ospf_get_area_range_mask ospf_get_next_area_range_mask ospf_get_area_range_mask	
1.3.6.1.2.1.14.5.1.4	ospfAreaRangeStatus::(mb-2 ospf ospfAreaRangeTable ospfAreaRangeEntry 4)	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_area_range_status ospf_get_next_area_range_status ospf_get_area_range_status	
1.3.6.1.2.1.14.5.1.5	ospfAreaRangeEffect::(mb-2 ospf ospfAreaRangeTable ospfAreaRangeEntry 5)	Subnets subsumed by ranges either trigger the advertisement of the indicated summary(advertisementMatching) or result in the subnet's not being advertised at all outside the area	Y	ospf_get_area_range_effect ospf_get_next_area_range_effect ospf_get_area_range_effect	
1.3.6.1.2.1.14.6.1.1	ospfHostIpAddress::(mb-2 ospf ospfHostTable ospfHostEntry 1)	The IP address of the host	Y	ospf_get_host_ip_address ospf_get_next_host_ip_address	
1.3.6.1.2.1.14.6.1.2	ospfHostTOS::(mb-2 ospf ospfHostTable ospfHostEntry 2)	The Type of Service of the route being configured	Y	ospf_get_host_tos ospf_get_next_host_tos	
1.3.6.1.2.1.14.6.1.3	ospfHostMetric::(mb-2 ospf ospfHostTable ospfHostEntry 3)	The metric to be advertised	Y	ospf_get_host_metric ospf_get_next_host_metric ospf_get_host_metric	
1.3.6.1.2.1.14.6.1.4	ospfHostStatus::(mb-2 ospf ospfHostTable ospfHostEntry 4)	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_host_status ospf_get_next_host_status ospf_get_host_status	
1.3.6.1.2.1.14.6.1.5	ospfHostAreaId::(mb-2 ospf ospfHostTable ospfHostEntry 5)	The OSPF area to which the host belongs	Y	ospf_get_host_area_id ospf_get_next_host_area_id ospf_get_host_area_id	
1.3.6.1.2.1.14.6.1.6	ospfHostCgAreaId::(mb-2 ospf ospfHostTable ospfHostEntry 6)	To configure the OSPF area to which the host belongs	Y	ospf_get_host_cg_area_id ospf_get_next_cg_area_id ospf_get_host_cg_area_id	
1.3.6.1.2.1.14.7.1.1	ospfIfIpAddress::(mb-2 ospf ospfIfTable ospfIfEntry 1)	The IP address of this OSPF interface	Y	ospf_get_if_ip_address ospf_get_next_if_ip_address ospf_get_if_ip_address	
1.3.6.1.2.1.14.7.1.2	ospfIfAddressLess::(mb-2 ospf ospfIfTable ospfIfEntry 2)	This variable takes the value 0 on interfaces with IP addresses and the corresponding value of index for interfaces having no IP address	Y	ospf_get_if_address_less ospf_get_next_if_address_less ospf_get_if_address_less	
1.3.6.1.2.1.14.7.1.3	ospfIfAreaId::(mb-2 ospf ospfIfTable ospfIfEntry 3)	A 32-bit integer uniquely identifying the area to which the interface connects	Y	ospf_get_if_area_id ospf_get_next_if_area_id ospf_get_if_area_id	
1.3.6.1.2.1.14.7.1.4	ospfIfType::(mb-2 ospf ospfIfTable ospfIfEntry 4)	The OSPF interface type	Y	ospf_get_if_type ospf_get_next_if_type ospf_get_if_type	
1.3.6.1.2.1.14.7.1.5	ospfIfAdminStat::(mb-2 ospf ospfIfTable ospfIfEntry 5)	The OSPF interface's administrative status	Y	ospf_get_if_admin_stat ospf_get_next_if_admin_stat ospf_get_if_admin_stat	
1.3.6.1.2.1.14.7.1.6	ospfIfRtrPriority::(mb-2 ospf ospfIfTable ospfIfEntry 6)	The priority of this interface. Used in multi access networks, this field is used in the designated router election algorithm	Y	ospf_get_if_rtr_priority ospf_get_next_if_rtr_priority ospf_get_if_rtr_priority	
1.3.6.1.2.1.14.7.1.7	ospfIfTransitDelay::(mb-2 ospf ospfIfTable ospfIfEntry 7)	The estimated number of seconds it takes to transmit a link state update packet over this interface	Y	ospf_get_if_transit_delay ospf_get_next_if_transit_delay ospf_get_if_transit_delay	
1.3.6.1.2.1.14.7.1.8	ospfIfRetransInterval::(mb-2 ospf ospfIfTable ospfIfEntry 8)	The number of seconds between link state advertisement retransmissions, for adjacencies belonging to this interface	Y	ospf_get_if_retrans_interval ospf_get_next_if_retrans_interval ospf_get_if_retrans_interval	
1.3.6.1.2.1.14.7.1.9	ospfIfHelloInterval::(mb-2 ospf ospfIfTable ospfIfEntry 9)	The length of time, in seconds, between the Hello packets that the router sends on the interface	Y	ospf_get_if_hello_interval ospf_get_next_if_hello_interval ospf_get_if_hello_interval	
1.3.6.1.2.1.14.7.1.10	ospfIfRtrDeadInterval::(mb-2 ospf ospfIfTable ospfIfEntry 10)	The number of seconds that a router's Hello packets have not been seen before its neighbors declare the router down	Y	ospf_get_if_rtr_dead_interval ospf_get_next_if_rtr_dead_interval ospf_get_if_rtr_dead_interval	
1.3.6.1.2.1.14.7.1.11	ospfIfPollInterval::(mb-2 ospf ospfIfTable ospfIfEntry 11)	The larger time interval, in seconds, between the Hello packets sent to an inactive non-broadcast multi-access neighbor	Y	ospf_get_if_poll_interval ospf_get_next_if_poll_interval ospf_get_if_poll_interval	
1.3.6.1.2.1.14.7.1.12	ospfIfState::(mb-2 ospf ospfIfTable ospfIfEntry 12)	The OSPF interface state	Y	ospf_get_if_state ospf_get_next_if_state ospf_get_if_state	
1.3.6.1.2.1.14.7.1.13	ospfIfDesignatedRouter::(mb-2 ospf ospfIfTable ospfIfEntry 13)	The IP address of the designated router	Y	ospf_get_if_designated_router ospf_get_next_if_designated_router ospf_get_if_designated_router	
1.3.6.1.2.1.14.7.1.14	ospfIfBackupDesignatedRouter::(mb-2 ospf ospfIfTable ospfIfEntry 14)	The IP address of the backup designated router	Y	ospf_get_if_backup_designated_router ospf_get_next_if_backup_designated_router ospf_get_if_backup_designated_router	
1.3.6.1.2.1.14.7.1.15	ospfIfEvents::(mb-2 ospf ospfIfTable ospfIfEntry 15)	The number of times this OSPF interface has changed its state as an error has occurred	Y	ospf_get_if_events ospf_get_next_if_events ospf_get_if_events	
1.3.6.1.2.1.14.7.1.16	ospfIfAuthKey::(mb-2 ospf ospfIfTable ospfIfEntry 16)	The cleartext password used as an OSPF authentication key when simplePassword security is enabled	Y	ospf_get_if_auth_key ospf_get_next_if_auth_key ospf_get_if_auth_key	
1.3.6.1.2.1.14.7.1.17	ospfIfStatus::(mb-2 ospf ospfIfTable ospfIfEntry 17)	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_if_status ospf_get_next_if_status ospf_get_if_status	
1.3.6.1.2.1.14.7.1.18	ospfIfMulticastForwarding::(mb-2 ospf ospfIfTable ospfIfEntry 18)	The way multicasts should be forwarded on this interface: not forwarded, forwarded as data link multicasts, or forwarded as data link unicasts	Y	ospf_get_if_multicast_forwarding ospf_get_next_if_multicast_forwarding ospf_get_if_multicast_forwarding	
1.3.6.1.2.1.14.7.1.19	ospfIfDemand::(mb-2 ospf ospfIfTable ospfIfEntry 19)	Indicates whether Demand OSPF procedures (hello suppression to R1/L1 neighbors and setting the DoNotAge flag on propagated LSAs) should be performed on this interface	Y	ospf_get_if_demand ospf_get_next_if_demand ospf_get_if_demand	
1.3.6.1.2.1.14.7.1.20	ospfIfAuthType::(mb-2 ospf ospfIfTable ospfIfEntry 20)	The authentication type specified for an interface	Y	ospf_get_if_auth_type ospf_get_next_if_auth_type ospf_get_if_auth_type	
1.3.6.1.2.1.14.7.1.21	ospfIfLsaCount::(mb-2 ospf ospfIfTable ospfIfEntry 21)	The total number of link-local link state advertisements in this interface's link-local link state database	Y	ospf_get_if_lsa_count ospf_get_next_if_lsa_count ospf_get_if_lsa_count	
1.3.6.1.2.1.14.7.1.22	ospfIfLsaChecksumSum::(mb-2 ospf ospfIfTable ospfIfEntry 22)	The 32-bit unsigned sum of the Link State Advertisements (LSAs) checksums contained in this interface's link-local link state database	Y	ospf_get_if_lsa_checksum_sum ospf_get_next_if_lsa_checksum_sum ospf_get_if_lsa_checksum_sum	
1.3.6.1.2.1.14.7.1.23	ospfIfDesignatedRouterId::(mb-2 ospf ospfIfTable ospfIfEntry 23)	The Router ID of the designated router	Y	ospf_get_if_dr ospf_get_next_if_dr ospf_get_if_dr	
1.3.6.1.2.1.14.7.1.24	ospfIfBackupDesignatedRouterId::(mb-2 ospf ospfIfTable ospfIfEntry 24)	The Router ID of the backup designated router	Y	ospf_get_if_bdr ospf_get_next_if_bdr ospf_get_if_bdr	
1.3.6.1.2.1.14.8.1.1	ospfIfMetricAddressLess::(mb-2 ospf ospfIfMetricTable ospfIfMetricEntry 1)	The IP address of this OSPF interface	Y	ospf_get_if_metric_ip_address ospf_get_next_if_metric_ip_address ospf_get_if_metric_ip_address	
1.3.6.1.2.1.14.8.1.2	ospfIfMetricAddressLess::(mb-2 ospf ospfIfMetricTable ospfIfMetricEntry 2)	This variable takes the value 0 on interfaces with IP addresses and the value of index for interfaces having no IP address	Y	ospf_get_if_metric_address_less ospf_get_next_if_metric_address_less ospf_get_if_metric_address_less	
1.3.6.1.2.1.14.8.1.3	ospfIfMetricTOS::(mb-2 ospf ospfIfMetricTable ospfIfMetricEntry 3)	The Type of Service metric being referenced	Y	ospf_get_if_metric_tos ospf_get_next_if_metric_tos ospf_get_if_metric_tos	

1.3.6.1.2.1.14.8.1.4	ospfMetricValue::=[mb-2 ospf ospfMetricTable ospfMetricEntry 4]	The metric of using this Type of Service on this interface	Y	ospf_get_if_metric_value ospf_get_next_if_metric_value ospf_get_if_metric_value	
1.3.6.1.2.1.14.8.1.5	ospfMetricStatus::=[mb-2 ospf ospfMetricTable ospfMetricEntry 5]	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_if_metric_status ospf_get_next_if_metric_status ospf_set_if_metric_status	
1.3.6.1.2.1.14.9.1.1	ospfVirtualAreaId::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 1]	The transit area that the virtual link traverses. By definition, this is set to 0.0.0.0.	Y	ospf_get_virt_if_area_id ospf_get_next_virt_if_area_id	
1.3.6.1.2.1.14.9.1.2	ospfVirtualNeighbor::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 2]	The Router ID of the virtual neighbor	Y	ospf_get_virt_if_neighbor ospf_get_next_virt_if_neighbor	
1.3.6.1.2.1.14.9.1.3	ospfVirtualTransitDelay::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 3]	The estimated number of seconds it takes to transmit a Link State update packet over this interface	Y	ospf_get_virt_if_transit_delay ospf_get_next_virt_if_transit_delay ospf_set_virt_if_transit_delay	
1.3.6.1.2.1.14.9.1.4	ospfVirtualRetransInterval::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 4]	The number of seconds between link state advertisement retransmissions, for adjacencies belonging to this interface	Y	ospf_get_virt_if_retrans_interval ospf_get_next_virt_if_retrans_interv al ospf_set_virt_if_retrans_interva	
1.3.6.1.2.1.14.9.1.5	ospfVirtualHelloInterval::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 5]	The length of time, in seconds, between the Hello packets that the router sends on the interface	Y	ospf_get_virt_if_hello_interval ospf_get_next_virt_if_hello_interv al ospf_set_virt_if_hello_interv	
1.3.6.1.2.1.14.9.1.6	ospfVirtualRouterDeadInterval::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 6]	The number of seconds that a router's Hello packets have not been seen before its neighbors declare the router down	Y	ospf_get_virt_if_router_dead_interv al ospf_get_next_virt_if_router_dead_i nterval ospf_set_virt_if_router_dead_interv	
1.3.6.1.2.1.14.9.1.7	ospfVirtualState::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 7]	OSPF virtual interface states	Y	ospf_get_virt_if_state ospf_get_next_virt_if_state	
1.3.6.1.2.1.14.9.1.8	ospfVirtualEvents::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 8]	The number of state changes or error events on this virtual link	Y	ospf_get_virt_if_events ospf_get_next_virt_if_events	
1.3.6.1.2.1.14.9.1.9	ospfVirtualAuthKey::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 9]	The cleartext password used as an OSPF authentication key when simple password security is enabled	Y	ospf_get_virt_if_auth_key ospf_get_next_virt_if_auth_key ospf_set_virt_if_auth_key	
1.3.6.1.2.1.14.9.1.10	ospfVirtualStatus::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 10]	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_virt_if_status ospf_get_next_virt_if_status ospf_set_virt_if_status	
1.3.6.1.2.1.14.9.1.11	ospfVirtualAuthType::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 11]	The authentication type specified for a virtual interface	Y	ospf_get_virt_if_auth_type ospf_get_next_virt_if_auth_type ospf_set_virt_if_auth_type	
1.3.6.1.2.1.14.9.1.12	ospfVirtualLsaCount::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 12]	The total number of link-local link state advertisements in this virtual interface's link-local link state database	Y	ospf_get_virt_if_lsa_count ospf_get_next_virt_if_lsa_count	
1.3.6.1.2.1.14.9.1.13	ospfVirtualLsaChecksum::=[mb-2 ospf ospfVirtualTable ospfVirtualEntry 13]	The 32-bit unsigned sum of the link state advertisements' LS checksums contained in this virtual interface's link-local link state database	Y	ospf_get_virt_if_lsa_checksum ospf_get_next_virt_if_lsa_checksum	
1.3.6.1.2.1.14.10.1.1	ospfNeighborAddr::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 1]	The IP address this neighbor is using in its IP source address	Y	ospf_get_nbr_ip_addr ospf_get_next_nbr_ip_addr	
1.3.6.1.2.1.14.10.1.2	ospfNeighborAddressIndex::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 2]	On an interface having an IP address, zero. On addressless interfaces, the corresponding value of ifIndex in the Internet Standard MIB	Y	ospf_get_nbr_address_index ospf_get_next_nbr_address_index	
1.3.6.1.2.1.14.10.1.3	ospfNeighborRouterId::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 3]	A 32-bit integer (represented as a type IpAddress) uniquely identifying the neighboring router in the Autonomous System	Y	ospf_get_nbr_router_id ospf_get_next_nbr_router_id	
1.3.6.1.2.1.14.10.1.4	ospfNeighborOptions::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 4]	A bit mask corresponding to the neighbor's Options field	Y	ospf_get_nbr_options ospf_get_next_nbr_options	
1.3.6.1.2.1.14.10.1.5	ospfNeighborPriority::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 5]	The priority of this neighbor in the designated Router election algorithm	Y	ospf_get_nbr_priority ospf_get_next_nbr_priority ospf_set_nbr_priority	
1.3.6.1.2.1.14.10.1.6	ospfNeighborState::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 6]	The state of the relationship with this neighbor	Y	ospf_get_nbr_state ospf_get_next_nbr_state	
1.3.6.1.2.1.14.10.1.7	ospfNeighborEvents::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 7]	The number of times this neighbor relationship has changed state or an error has occurred	Y	ospf_get_nbr_events ospf_get_next_nbr_events	
1.3.6.1.2.1.14.10.1.8	ospfNeighborRetransQueue::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 8]	The current length of the retransmission queue	Y	ospf_get_nbr_ls_retrans_queue ospf_get_next_nbr_ls_retrans_queue	
1.3.6.1.2.1.14.10.1.9	ospfNeighborStatus::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 9]	This object permits management of the table by Facilitating actions such as row creation, construction, and destruction	Y	ospf_get_nbrma_status ospf_get_next_nbrma_status ospf_set_nbrma_status	
1.3.6.1.2.1.14.10.1.10	ospfNeighborPerformance::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 10]	This variable displays the status of the entry; 'dynamic' and 'permanent' refer to how the neighbor became known	Y	ospf_get_nbrma_performance ospf_get_next_nbrma_performance	
1.3.6.1.2.1.14.10.1.11	ospfNeighborHelloSuppressed::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 11]	Indicates whether Hellos are being suppressed to the neighbor	Y	ospf_get_nbr_hello_suppressed ospf_get_next_nbr_hello_suppressed	
1.3.6.1.2.1.14.10.1.12	ospfNeighborRestartHelperStatus::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 12]	Indicates whether the router is acting As a graceful restart helper for the neighbor	Y	ospf_get_virt_nbr_restart_helper_status ospf_get_next_virt_nbr_restart_help er_status	
1.3.6.1.2.1.14.10.1.13	ospfNeighborRestartHelperAge::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 13]	Remaining time in current OSPF graceful restart interval, if the router is acting as a restart helper for the neighbor	Y	ospf_get_virt_nbr_restart_helper_age ospf_get_next_virt_nbr_restart_help er_age	
1.3.6.1.2.1.14.10.1.14	ospfNeighborRestartHelperExitReason::=[mb-2 ospf ospfNeighborTable ospfNeighborEntry 14]	Describes the outcome of the last attempt at acting As a graceful restart helper for the neighbor	Y	ospf_get_virt_nbr_restart_helper_exit_reason ospf_get_next_virt_nbr_restart_help er_exit_reason	
1.3.6.1.2.1.14.11.1.1	ospfVirtualArea::=[mb-3 ospf ospfVirtualAreaTable ospfVirtualAreaEntry 1]	The Transit Area Identifier	Y	ospf_get_virt_nbr_area ospf_get_next_virt_nbr_area	
1.3.6.1.2.1.14.11.1.2	ospfVirtualRouterId::=[mb-2 ospf ospfVirtualAreaTable ospfVirtualAreaEntry 2]	A 32-bit integer uniquely identifying the Neighboring router in the Autonomous System	Y	ospf_get_virt_nbr_router_id ospf_get_next_virt_nbr_router_id	
1.3.6.1.2.1.14.11.1.3	ospfVirtualNeighborAddr::=[mb-2 ospf ospfVirtualAreaTable ospfVirtualAreaEntry 3]	The IP address this Virtual Neighbor is using	Y	ospf_get_virt_nbr_ip_addr ospf_get_next_virt_nbr_ip_addr	
1.3.6.1.2.1.14.11.1.4	ospfVirtualNeighborOptions::=[mb-2 ospf ospfVirtualAreaTable ospfVirtualAreaEntry 4]	A Bit Mask corresponding to the neighbor's option field	Y	ospf_get_virt_nbr_options ospf_get_next_virt_nbr_options	
1.3.6.1.2.1.14.11.1.5	ospfVirtualNeighborState::=[mb-2 ospf ospfVirtualAreaTable ospfVirtualAreaEntry 5]	The state of the Virtual Neighbor Relationship	Y	ospf_get_virt_nbr_state ospf_get_next_virt_nbr_state	
1.3.6.1.2.1.14.11.1.6	ospfVirtualNeighborEvents::=[mb-2 ospf ospfVirtualAreaTable ospfVirtualAreaEntry 6]	The number of times this virtual link has Changed its state, or an error has occurred	Y	ospf_get_virt_nbr_events ospf_get_next_virt_nbr_events	

3.3.6.1.2.1.14.11.7	ospfVirtNbrRetransqlen::=(mb-2 ospf ospfIntraAreaTable ospfVirtAreaEntry 7)	The current length of the retransmission queue	Y	ospf_get_virt_nbr_retransqlen ospf_get_next_virt_nbr_retransqlen	
3.3.6.1.2.1.14.11.8	ospfVirtNbrHelloSuppressed::=(mb-2 ospf ospfIntraAreaTable ospfVirtAreaEntry 8)	Indicates whether Hellos are being suppressed to the neighbor	Y	ospf_get_virt_nbr_hello_suppressed ospf_get_next_virt_nbr_hello_suppressed	
3.3.6.1.2.1.14.12.1	ospfExtLdbType::=(mb-2 ospf ospfExtLdbTable ospfExtLdbEntry 1)	The type of the link state advertisement	Y	ospf_get_ext_ldb_type ospf_get_next_ext_ldb_type	
3.3.6.1.2.1.14.12.2	ospfExtLdbLid::=(mb-2 ospf ospfExtLdbTable ospfExtLdbEntry 2)	The Link State ID is an LS Type Specific field Containing either a Router ID or an IP address	Y	ospf_get_ext_ldb_lid ospf_get_next_ext_ldb_lid	
3.3.6.1.2.1.14.12.3	ospfExtLdbRouterId::=(mb-2 ospf ospfExtLdbTable ospfExtLdbEntry 3)	The 32-bit number that uniquely identifies the Originating router in the Autonomous System	Y	ospf_get_ext_ldb_router_id ospf_get_next_ext_ldb_router_id	
3.3.6.1.2.1.14.12.4	ospfExtLdbSequence::=(mb-2 ospf ospfExtLdbTable ospfExtLdbEntry 4)	The sequence number field is a signed 32-bit integer	Y	ospf_get_ext_ldb_sequence ospf_get_next_ext_ldb_sequence	
3.3.6.1.2.1.14.12.5	ospfExtLdbAge::=(mb-2 ospf ospfExtLdbTable ospfExtLdbEntry 5)	This field is the age of the link state Advertisement in seconds	Y	ospf_get_ext_ldb_age ospf_get_next_ext_ldb_age	
3.3.6.1.2.1.14.12.6	ospfExtLdbChecksum::=(mb-2 ospf ospfExtLdbTable ospfExtLdbEntry 6)	This field is the checksum of the complete Contents of the advertisement, excepting the age field	Y	ospf_get_ext_ldb_checksum ospf_get_next_ext_ldb_checksum	
3.3.6.1.2.1.14.12.7	ospfExtLdbAdvertisement::=(mb-2 ospf ospfExtLdbTable ospfExtLdbEntry 7)	The entire link state advertisement, including its header	Y	ospf_get_ext_ldb_advertisement ospf_get_next_ext_ldb_advertisement	
3.3.6.1.2.1.14.12.7.1	ospfIntraArea::=(mb-2 ospf ospfRouteGroup 1)		Y	ospf_get_intra_area_metric	
3.3.6.1.2.1.14.13.1	ospfInterArea::=(mb-2 ospf ospfRouteGroup 2)		Y	ospf_get_inter_area_metric	
3.3.6.1.2.1.14.13.2	ospfExternalType1::=(mb-2 ospf ospfRouteGroup 3)		Y	ospf_get_external_type1_metric	
3.3.6.1.2.1.14.13.3	ospfExternalType2::=(mb-2 ospf ospfRouteGroup 4)		Y	ospf_get_external_type2_metric	
3.3.6.1.2.1.14.13.4	ospfAreaAggregateAreaId::=(mb-2 ospf ospfAreaAggregateTable ospfAreaAggregateEntry 1)	The area within which the address aggregate is to be	Y	ospf_get_area_aggregate_area_id ospf_get_next_area_aggregate_area_id	
3.3.6.1.2.1.14.14.1	ospfAreaAggregateLdbType::=(mb-2 ospf ospfAreaAggregateTable ospfAreaAggregateEntry 2)	The type of the address aggregate	Y	ospf_get_area_aggregate_ldb_type ospf_get_next_area_aggregate_ldb_type	
3.3.6.1.2.1.14.14.2	ospfAreaAggregateNet::=(mb-2 ospf ospfAreaAggregateTable ospfAreaAggregateEntry 3)	The IP address of the net or subnet indicate by the range	Y	ospf_get_area_aggregate_net ospf_get_next_area_aggregate_net	
3.3.6.1.2.1.14.14.3	ospfAreaAggregateMask::=(mb-2 ospf ospfAreaAggregateTable ospfAreaAggregateEntry 4)	The subnet mask that pertains to the net or subnet	Y	ospf_get_area_aggregate_mask ospf_get_next_area_aggregate_mask	
3.3.6.1.2.1.14.14.4	ospfAreaAggregateStatus::=(mb-2 ospf ospfAreaAggregateTable ospfAreaAggregateEntry 5)	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf_get_area_aggregate_status ospf_get_next_area_aggregate_status	
3.3.6.1.2.1.14.14.5	ospfAreaAggregateEffect::=(mb-2 ospf ospfAreaAggregateTable ospfAreaAggregateEntry 6)	Subnets subsumed by ranges either trigger the advertisement of the indicated aggregate (advertisedAsOrig) or result in the subnet's not being advertised at all outside the area	Y	ospf_get_area_aggregate_effect ospf_get_next_area_aggregate_effect	
3.3.6.1.2.1.14.14.6	ospfAreaAggregateExtRouteTag::=(mb-2 ospf ospfAreaAggregateTable ospfAreaAggregateEntry 7)	External route tag to be included in NSSA (Type-7) LSAs	Y	ospf_get_area_aggregate_route_tag ospf_get_next_area_aggregate_route_tag	
3.3.6.1.2.1.14.14.7			Y		
3.3.6.1.2.1.14.14.15	ospfConformance::=(mb-2 ospf 15)	Conformance information	Y		
3.3.6.1.2.1.14.17.1	ospfLocalSubIdAddress::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 1)	The IP address of the interface from Which the LSA was received if the interface is numbered	Y		
3.3.6.1.2.1.14.17.1.1	ospfLocalSubIdAddressLast::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 2)	The interface index of the interface from Which the LSA was received if the interface is unnumbered	Y		
3.3.6.1.2.1.14.17.1.2	ospfLocalSubType::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 3)	The type of the link state advertisement. Each link state type has a separate advertisement format	Y		
3.3.6.1.2.1.14.17.1.4	ospfLocalSubLid::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 4)	The Link State ID is an LS Type Specific field Containing a 32-bit identifier in IP address format	Y		
3.3.6.1.2.1.14.17.1.5	ospfLocalSubRouterId::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 5)	The 32-bit number that uniquely identifies the Originating router in the Autonomous System	Y		
3.3.6.1.2.1.14.17.1.6	ospfLocalSubSequence::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 6)	The sequence number field is a signed 32-bit integer	Y	ospf_get_local_ldb_sequence ospf_get_next_local_ldb_sequence	
3.3.6.1.2.1.14.17.1.7	ospfLocalSubAge::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 7)	This field is the age of the link state Advertisement in seconds	Y	ospf_get_local_ldb_age ospf_get_next_local_ldb_age	
3.3.6.1.2.1.14.17.1.8	ospfLocalSubChecksum::=(mb-2 ospf ospfLocalSubTable ospfLocalSubEntry 8)	This field is the checksum of the complete Contents of the advertisement, excepting the age field	Y	ospf_get_local_ldb_checksum ospf_get_next_local_ldb_checksum	

1.3.6.1.2.1.14.17.1.9	ospfLocalLsdbAdvertisement::[mb-2 ospfLocalLsdbTable ospfLocalLsdbEntry 5]	The entire link state advertisement, including its header	Y	ospf_get_local_lsdb_advertisement ospf_get_next_local_lsdb_advertisement	
1.3.6.1.2.1.14.18.1.1	ospfVirtualLsdbTransitArea::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 1]	The transit area that the virtual link traverses	Y		
1.3.6.1.2.1.14.18.1.2	ospfVirtualLsdbNeighbor::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 2]	The Router ID of the virtual neighbor	Y		
1.3.6.1.2.1.14.18.1.3	ospfVirtualLsdbType::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 3]	The type of the link state advertisement. Each link state type has a separate Advertisement format	Y		
1.3.6.1.2.1.14.18.1.4	ospfVirtualLsdbLsId::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 4]	The Link State ID is an LS Type Specific field Containing a 32-bit identifier in IP address format	Y		
1.3.6.1.2.1.14.18.1.5	ospfVirtualLsdbRouterId::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 5]	The 32-bit number that uniquely identifies the Originating router in the Autonomous System	Y		
1.3.6.1.2.1.14.18.1.6	ospfVirtualLsdbSequence::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 6]	The sequence number field is a signed 32-bit integer	Y	ospf_get_virt_local_lsdb_sequence ospf_get_next_virt_local_lsdb_sequence	
1.3.6.1.2.1.14.18.1.7	ospfVirtualLsdbAge::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 7]	This field is the age of the link state Advertisement in seconds	Y	ospf_get_virt_local_lsdb_age ospf_get_next_virt_local_lsdb_age	
1.3.6.1.2.1.14.18.1.8	ospfVirtualLsdbChecksum::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 8]	This field is the checksum of the complete Contents of the advertisement, excepting the age field	Y	ospf_get_virt_local_lsdb_checksum ospf_get_next_virt_local_lsdb_checksum	
1.3.6.1.2.1.14.18.1.9	ospfVirtualLsdbAdvertisement::[mb-2 ospfVirtualLsdbTable ospfVirtualLsdbEntry 9]	The entire link state advertisement, including its header	Y	ospf_get_virt_local_lsdb_advertisement ospf_get_next_virt_local_lsdb_advertisement	
1.3.6.1.2.1.14.19.1.1	ospfAsLsdbType::[mb-2 ospfAsLsdbTable ospfAsLsdbEntry 1]	The type of the link state advertisement. Each link state type has a separate advertisement format(Status-Not-accessible)	Y		
1.3.6.1.2.1.14.19.1.2	ospfAsLsdbLsId::[mb-2 ospfAsLsdbTable ospfAsLsdbEntry 2]	The Link State ID is an LS Type-Specific field Containing either a Router ID or an IP address(Status-Not-accessible)	Y		
1.3.6.1.2.1.14.19.1.3	ospfAsLsdbRouterId::[mb-2 ospfAsLsdbTable ospfAsLsdbEntry 3]	The 32-bit number that uniquely identifies the Originating router in the Autonomous System(Status-Not-accessible)	Y		
1.3.6.1.2.1.14.19.1.4	ospfAsLsdbSequence::[mb-2 ospfAsLsdbTable ospfAsLsdbEntry 4]	The sequence number field is a signed 32-bit integer	Y	ospf_get_as_lsdb_sequence ospf_get_next_as_lsdb_sequence	
1.3.6.1.2.1.14.19.1.5	ospfAsLsdbAge::[mb-2 ospfAsLsdbTable ospfAsLsdbEntry 5]	This field is the age of the link state Advertisement in seconds	Y	ospf_get_as_lsdb_age ospf_get_next_as_lsdb_age	
1.3.6.1.2.1.14.19.1.6	ospfAsLsdbChecksum::[mb-2 ospfAsLsdbTable ospfAsLsdbEntry 6]	This field is the checksum of the complete Contents of the advertisement, excepting the age field	Y	ospf_get_as_lsdb_checksum ospf_get_next_as_lsdb_checksum	
1.3.6.1.2.1.14.19.1.7	ospfAsLsdbAdvertisement::[mb-2 ospfAsLsdbTable ospfAsLsdbEntry 7]	The entire link state advertisement, including its header	Y	ospf_get_as_lsdb_advertisement ospf_get_next_as_lsdb_advertisement	
1.3.6.1.2.1.14.20.1.1	ospfAreaLsaCountAreaId::[mb-2 ospfAreaLsaCountTable ospfAreaLsaCountEntry 1]	This entry Area ID(Status-Not-accessible)	Y		
1.3.6.1.2.1.14.20.1.2	ospfAreaLsaCountType::[mb-2 ospfAreaLsaCountTable ospfAreaLsaCountEntry 2]	This entry LSA type(Status-not accessible)	Y		
1.3.6.1.2.1.14.20.1.3	ospfAreaLsaCountNumber::[mb-2 ospfAreaLsaCountTable ospfAreaLsaCountEntry 3]	Number of LSAs of a given type for a given area	Y	ospf_get_area_lsa_count_number	

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OID	MIB Object	MIB Description	Supported in ZebOS (Y/N)	Protocol API/Data structure	Remarks
1.3.6.1.2.1.191.1.1.1	ospfv3RouterId::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 1}	A 32-bit integer uniquely identifying the router in the Autonomous System.	Y	ospf6_get_router_id ospf6_set_router_id	
1.3.6.1.2.1.191.1.1.2	ospfv3AdminStat::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 2}	The administrative status of ospfv3 in the router.	Y	ospf6_get_admin_stat ospf6_set_admin_stat	
1.3.6.1.2.1.191.1.1.3	ospfv3VersionNumber::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 3}	Current version of the ospfv3 protocol(3)	Y	ospf6_get_version_number	
1.3.6.1.2.1.191.1.1.4	ospfv3AreaBdrRtrStatus::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 4}	A flag to note whether this router is an Area Border Router	Y	ospf6_get_area_bdr_rtr_status	
1.3.6.1.2.1.191.1.1.5	ospfv3ASBdrRtrStatus::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 5}	A flag to note whether this router is configured as an Autonomous System Border Router	Y	ospf6_get_asbdr_rtr_status ospf6_set_asbdr_rtr_status	
1.3.6.1.2.1.191.1.1.6	ospfv3AsScopeLsaCount::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 6}	The number of AS scope link state advertisements in the link state database	Y	ospf6_get_extern_lsa_count	
1.3.6.1.2.1.191.1.1.7	ospfv3AsScopeLsaChecksum::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 7}	Sum of the LS checksums of the LS Scope link state advertisements contained in the link state database	Y	ospf6_get_extern_lsa_cksum_sum	
1.3.6.1.2.1.191.1.1.8	ospfv3OriginateNewLsas::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroups 8}	The number of new link state advertisements that have been originated. This number is incremented each time the router originates a new LSA	Y	ospf6_get_originate_new_lsas	
1.3.6.1.2.1.191.1.1.9	ospfv3RxnNewLsas::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 9}	The number of link state advertisements received that are determined to be new instantiations. This number does not include newer instantiations of self-originated link state advertisements	Y	ospf6_get_rx_new_lsas	
1.3.6.1.2.1.191.1.1.10	ospfv3ExtLsaCount::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 10}	The number of External (LS type 0x4005) in the link state database	Y	ospf6_get_ext_lsdb_limit	
1.3.6.1.2.1.191.1.1.11	ospfv3ExtAreaLsdbLimit::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 11}	The maximum number of non-default AS-external-LSA entries that can be stored in the link state database. If the value is -1, then there is no limit	Y	ospf6_get_multicast_extensions	
1.3.6.1.2.1.191.1.1.12	ospfv3ExitOverflowInterval::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 12}	The number of seconds that, after entering OverflowState, a router will attempt to leave OverflowState	Y	ospf6_get_exit_overflow_interval	
1.3.6.1.2.1.191.1.1.13	ospfv3DemandExtensions::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 13}	The router's support for demand routing	Y	ospf6_get_demand_extensions	
1.3.6.1.2.1.191.1.1.14	ospfv3ReferenceBandwidth::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 14}	Reference bandwidth in kilobits/second for calculating default interface metrics	Y	ospf6_get_reference_bandwidth ospf6_set_reference_bandwidth	

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1.3.6.1.2.1.191.1.1.15	ospfv3RestartSupport::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 15}	The router's support for ospfv3 graceful restart	Y	ospf6_get_restart_support ospf6_set_restart_support	
1.3.6.1.2.1.191.1.1.16	ospfv3RestartInterval::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 16}	Configured ospfv3 graceful restart timeout interval	Y	ospf6_get_restart_interval ospf6_set_restart_interval	
1.3.6.1.2.1.191.1.1.17	ospfv3RestartStrictLsaChecking::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 17}	Indicates if strict LSA checking is enabled for graceful restart	Y	ospf6_get_restart_strict_lsa_check	
1.3.6.1.2.1.191.1.1.18	ospfv3RestartStatus::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 18}	Current status of ospfv3 graceful restart	Y	ospf6_get_restart_status	
1.3.6.1.2.1.191.1.1.19	ospfv3RestartAge::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 19}	Remaining time in current ospfv3 graceful restart interval	Y	ospf6_get_restart_age	
1.3.6.1.2.1.191.1.1.20	ospfv3RestartExitReason::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 20}	Describes the outcome of the last attempt at a graceful restart	Y	ospf6_get_restart_exit_reason	
1.3.6.1.2.1.191.1.1.21	ospfv3NotificationEnable::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 21}	This object provides a coarse level of control over the generation of ospfv3 notifications	Y	ospf6_get_notification_enable	
1.3.6.1.2.1.191.1.1.22	ospfv3StubRouterSupport::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 22}	The router's support for stub router functionality	Y	ospf6_get_stub_router_support	
1.3.6.1.2.1.191.1.1.23	ospfv3StubRouterAdvertisement::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 23}	This object controls the advertisement of stub router LSAs by the router	Y	ospf6_get_stub_router_advertisement	
1.3.6.1.2.1.191.1.1.24	ospfv3DiscontinuityTime::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 24}	The value of sysUpTime on the most recent occasion at which any one of this MIB's counters suffered a discontinuity	Y	ospf6_get_discontinuity_time	
1.3.6.1.2.1.191.1.1.25	ospfv3RestartTime::={mib-2 ospfv3 ospfv3objects ospfv3GeneralGroup 25}	The value of sysUpTime on the most recent occasion at which the ospfv3RestartExitReason was updated	Y	ospf6_get_restart_time	
1.3.6.1.2.1.191.1.1.26			Y		
1.3.6.1.2.1.191.1.2.1	ospfv3AreaId::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 1}	A 32-bit integer uniquely identifying an area(not acc	Y		
1.3.6.1.2.1.191.1.2.2	ospfv3AreaImportAsExtern::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 2}	Indicates if an area is a stub area, NSSA, or standard area	Y	ospf6_get_import_as_extern ospf6_get_next_import_as_extern	
1.3.6.1.2.1.191.1.2.3	ospfv3AreaSpfRuns::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 3}	The number of times that the intra-area route table has been calculated using this area's link state database	Y	ospf6_get_spf_runs ospf6_get_next_spf_runs	
1.3.6.1.2.1.191.1.2.4	ospfv3AreaBdrRtrCount::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 4}	The total number of Area Border Routers reachable within this area	Y	ospf6_get_area_bdr_rtr_count ospf6_get_next_area_bdr_rtr_count	

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1.3.6.1.2.1.191.1.2.5	ospfv3AreaAsBdrRtrCount::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 5}	The total number of Autonomous System Border Routers reachable within this area	Y	ospf6_get_asbdr_rtr_count ospf6_get_next_asbdr_rtr_count	
1.3.6.1.2.1.191.1.2.6	ospfv3AreaScopeLsaCount::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 6}	The total number of link state advertisements in this area's link state database, excluding AS-external LSAs	Y	ospf6_get_area_lsa_count ospf6_get_next_area_lsa_count	
1.3.6.1.2.1.191.1.2.7	ospfv3AreaScopeLsaChecksumsum::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 7}	The 32-bit sum of the link state advertisements' LS checksums contained in this area's link state database	Y	ospf6_get_area_lsa_checksum_sum ospf6_get_next_area_lsa_checksum_sum	
1.3.6.1.2.1.191.1.2.8	ospfv3AreaSummary::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 8}	The variable ospfv3AreaSummary controls the import of summary LSAs into stub and NSSA areas	Y	ospf6_get_area_summary ospf6_get_next_area_summary ospf6_set_area_summary	
1.3.6.1.2.1.191.1.2.9	ospfv3AreaRowStatus::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 10}	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf6_get_area_status ospf6_get_next_area_status	
1.3.6.1.2.1.191.1.2.10	ospfv3AreaStubMetric::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 11}	The metric value advertised for the default route into stub and NSSA areas	Y	ospf6_get_stub_metric ospf6_get_next_stub_metric ospf6_set_stub_metric	
1.3.6.1.2.1.191.1.2.11	ospfv3AreaNssaTranslatorRole::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 11}	Indicates an NSSA border router's ability to perform NSSA translation of type-7 LSAs into type-5 LSAs	Y	ospf6_get_area_nssa_trans_role ospf6_get_next_area_nssa_trans_role ospf6_set_area_nssa_trans_role	
1.3.6.1.2.1.191.1.2.12	ospfv3AreaNssaTranslatorState::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 12}	Indicates if and how an NSSA border router is performing NSSA translation of type-7 LSAs into type-5 LSAs.	Y	ospf6_get_area_nssa_trans_state ospf6_get_next_area_nssa_trans_state	
1.3.6.1.2.1.191.1.2.1.13	ospfv3AreaNssaTranslatorStabInterval::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 13}	The number of seconds after an elected translator determines its services are no longer required, that it should continue to perform its translation duties	Y	ospf6_get_area_nssa_trans_statbility_int ospf6_get_next_area_nssa_trans_statbility_int ospf6_set_area_nssa_trans_statbility_int	
1.3.6.1.2.1.191.1.2.1.14	ospfv3AreaNssaTranslatorEvents::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 14}	Indicates the number of translator state changes that have occurred since the last boot-up	Y	ospf6_get_area_nssa_translator_events ospf6_get_next_area_nssa_translator_events	
1.3.6.1.2.1.191.1.2.1.15	ospfv3AreaStubMetricType::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 15}	This variable assigns the type of metric advertised as a default route	Y	ospf6_get_area_stub_metric_type ospf6_get_nextarea_stub_metric_type	
1.3.6.1.2.1.191.1.2.1.16	ospfv3AreaTEEnabled::={mib-2 ospfv3 ospfv3objects ospfv3AreaTable ospfv3AreaEntry 16}	Indicates whether or not traffic engineering is enabled in the area	Y	ospf6_get_area_te_enabled ospf6_get_next_area_te_enabled ospf6_set_area_te_enabled	
1.3.6.1.2.1.191.1.3.1.1	ospfv3AsLsdbType::={mib-2 ospfv3 ospfv3Objects ospfv3AsLsdbtable ospfv3AsLsdbentry 1}	The type of the link state advertisement	Y		

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1.3.6.1.2.1.191.1.3.1.2	ospfv3AsLsdbRouterId::={mib-2 ospfv3 ospfv3objects ospfv3AsLsdbtable ospfv3AsLsdbentry 1}	The sequence number field is a signed 32-bit integer. It starts with the value '80000001'h, or - '7FFFFFFF'h, and increments until '7FFFFFFF'h	Y		
1.3.6.1.2.1.191.1.3.1.3	ospfv3AsLsdbLsid::={mib-2 ospfv3 ospfv3objects ospfv3AsLsdbtable ospfv3AsLsdbentry 3}	The Link State ID is an LS Type Specific field containing either a Router ID or an IP address; it identifies the piece of the routing domain that is being described by the advertisement	Y		
1.3.6.1.2.1.191.1.3.1.4	ospfv3AsLsdbSequence::={mib-2 ospfv3 ospfv3objects ospfv3AsLsdbtable ospfv3AsLsdbentry 4}	This field is the age of the link state advertisement in seconds	Y	ospf6_get_as_lsdb_sequence ospf6_get_next_as_lsdb_sequence	
1.3.6.1.2.1.191.1.3.1.5	ospfv3AsLsdbAge::={mib-2 ospfv3 ospfv3objects ospfv3AsLsdbtable ospfv3AsLsdbentry 5}	This field is the checksum of the complete contents of the advertisement, excepting the age field	Y	ospf6_get_as_lsdb_age ospf6_get_next_as_lsdb_sge	
1.3.6.1.2.1.191.1.3.1.6	ospfv3AsLsdbChecksum::={mib-2 ospfv3 ospfv3objects ospfv3AsLsdbtable ospfv3AsLsdbentry 6}	The entire link state advertisement, including its header	Y	ospf6_get_as_lsdb_checksum ospf6_get_next_as_lsdb_checksum	
1.3.6.1.2.1.191.1.3.1.7	ospfv3AsLsdbAdvertisement::={mib-2 ospfv3 ospfv3objects ospfv3AsLsdbtable ospfv3AsLsdbentry 7}	The Address Range Table acts as an adjunct to the Area Table. It describes those Address Range Summaries that are configured to be propagated from an Area to reduce the amount of information about it that is known beyond its borders. It contains a set of IP address ranges specified by an IP address/IP network mask pair	Y	ospf6_get_as_lsdb_advertisement ospf6_get_next_as_lsdb_advertisement	
1.3.6.1.2.1.191.1.3.1.8	ospfv3AsLsdbTypeKnown::={mib-2 ospfv3 ospfv3objects ospfv3AsLsdbtable ospfv3AsLsdbentry 8}	The value true (1) indicates that the LSA typis recognized by this router	Y	ospf6_get_as_lsdb_type_known ospf6_get_next_as_lsdb_type_known	
1.3.6.1.2.1.191.1.4.1.1	ospfv3AreaLsdbAreald::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbTable ospfv3AreaLsdbEntry 1}	The 32-bit identifier of the Area from which the LSA was received(not accessible)	Y	ospf6_get_area_lsdb_area_id ospf6_get_next_lsdb_area_id	
1.3.6.1.2.1.191.1.4.1.2	ospfv3AreaLsdbType::={mib-2 ospfv3 ospfv3Objects ospfv3AreraLsdbtable ospfv3AreaLsdbentry 2}	The type of the link state advertisement.Each link state type has a separate advertisement format(not accessible)	Y	ospf6_get_lsdb_type ospf6_get_next_lsdb_type	
1.3.6.1.2.1.191.1.4.1.3	ospfv3AreaLsdbRouterId::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbtable ospfv3AreaLsdbentry 3}	The sequence number field is a signed 32-bit integer. It starts with the value '80000001'h, or - '7FFFFFFF'h, and increments until '7FFFFFFF'h(not accessible)	Y	ospf6_get_lsdb_router_id ospf6_get_next_lsdb_router_id	
1.3.6.1.2.1.191.1.4.1.4	ospfv3AreaLsdbLsid::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbtable ospfv3AreaLsdbentry 4}	The Link State ID is an LS Type Specific field containing either a Router ID or an IP address; it identifies the piece of the routing domain that is being described by the advertisement(not accessible)	Y	ospf6_get_lsdb_lsdb_id ospf6_get_next_lsdb_lsdb_id	

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1.3.6.1.2.1.191.1.4.1.5	ospfv3AreaLsdbSequence::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbtable ospfv3AreaLsdbentry 5}	This field is the age of the link state advertisement in seconds	Y	ospf6_get_lsdb_sequence ospf6_get_next_lsdb_sequence	
1.3.6.1.2.1.191.1.4.1.6	ospfv3AreaLsdbAge::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbtable ospfv3AreaLsdbentry 6}	This field is the checksum of the complete contents of the advertisement, excepting the age field	Y	ospf6_get_lsdb_age ospf6_get_next_lsdb_age	
1.3.6.1.2.1.191.1.4.1.7	ospfv3AreaLsdbChecksum::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbtable ospfv3AreaLsdbentry 7}	The entire link state advertisement, including its header	Y	ospf6_get_lsdb_checksum ospf6_get_next_lsdb_checksum	
1.3.6.1.2.1.191.1.4.1.8	ospfv3AreaLsdbAdvertisement::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbtable ospfv3AreaLsdbentry 8}	The Address Range Table acts as an adjunct to the Area Table. It describes those Address Range Summaries that are configured to be propagated from an Area to reduce the amount of information about it that is known beyond its borders. It contains a set of IP address ranges specified by an IP address/IP network mask pair	Y	ospf6_get_lsdb_advertisement ospf6_get_next_lsdb_advertisement	
1.3.6.1.2.1.191.1.4.1.9	ospfv3AreaLsdbTypeKnown::={mib-2 ospfv3 ospfv3objects ospfv3AreaLsdbtable ospfv3AreaLsdbentry 9}	The value true (1) indicates that the LSA type is recognized by this router	Y	ospf6_get_area_lsdb_type_known ospf6_get_next_area_lsdb_type_known	
1.3.6.1.2.1.191.1.5.1.1	ospfv3LinkLsdbIndex::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbTable ospfv3LinkLsdbEntry 1}	The identifier of the link from which the LSA was received(not accessible)	Y		
1.3.6.1.2.1.191.1.5.1.2	ospfv3LinkLsdbInstId::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbTable ospfv3LinkLsdbEntry 2}	The identifier of the interface instance from which the LSA was received(not accessible)	Y		
1.3.6.1.2.1.191.1.5.1.3	ospfv3LinkLsdbType::={mib-2 ospfv3 ospfv3Objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 3}	The type of the link state advertisement(not accessible)	Y		
1.3.6.1.2.1.191.1.5.1.4	ospfv3LinkLsdbRouterId::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 4}	The sequence number field is a signed 32-bit integer. It starts with the value '80000001'h, or - '7FFFFFFF'h, and increments until '7FFFFFFF'h(not accessible)	Y		
1.3.6.1.2.1.191.1.5.1.5	ospfv3LinkLsdbLsid::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 5}	The Link State ID is an LS Type Specific field containing either a Router ID or an IP address; it identifies the piece of the routing domain that is being described by the advertisement(not accessible)	Y		

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1.3.6.1.2.1.191.1.5.1.6	ospfv3LinkLsdbSequence::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 6}	This field is the age of the link state advertisement in seconds	Y	ospf6_get_link_lsdb_sequence ospf6_get_next_link_lsdb_sequence	
1.3.6.1.2.1.191.1.5.1.7	ospfv3LinkLsdbAge::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 7}	This field is the checksum of the complete contents of the advertisement, excepting the age field	Y	ospf6_get_link_lsdb_age ospf6_get_next_link_lsdb_age	
1.3.6.1.2.1.191.1.5.1.8	ospfv3LinkLsdbChecksum::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 8}	The entire link state advertisement, including its header	Y	ospf6_get_link_lsdb_checksum ospf6_get_next_link_lsdb_checksum	
1.3.6.1.2.1.191.1.5.1.9	ospfv3LinkLsdbAdvertisement::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 9}	The Address Range Table acts as an adjunct to the Area Table. It describes those Address Range Summaries that are configured to be propagated from an Area to reduce the amount of information about it that is known beyond its borders. It contains a set of IP address ranges specified by an IP address/IP network mask pair	Y	ospf6_get_link_lsdb_advertisement ospf6_get_next_link_lsdb_advertisement	
1.3.6.1.2.1.191.1.5.1.10	ospfv3LinkLsdbTypeKnown::={mib-2 ospfv3 ospfv3objects ospfv3LinkLsdbtable ospfv3LinkLsdbentry 10}	The value true (1) indicates that the LSA type is recognized by this router	Y	ospf6_get_link_lsdb_type_known ospf6_get_next_link_lsdb_type_known	
1.3.6.1.2.1.191.1.6.1.1	ospfv3HostAddressTypes::={mib-2 ospfv3 ospfv3HostTable ospfv3HostEntry 1}	The address type of ospfv3HostAddress. Only IPv6 Global address type is expected	Y		
1.3.6.1.2.1.191.1.6.1.2	ospfv3HostAddress::={mib-2 ospfv3 ospfv3HostTable ospfv3HostEntry 2}	The IPv6 address of the host. Must be an IPv6 global address	Y		
1.3.6.1.2.1.191.1.6.1.3	ospfv3HostMetric::={mib-2 ospfv3 ospfv3HostTable ospfv3HostEntry 3}	The metric to be advertised	Y		
1.3.6.1.2.1.191.1.6.1.4	ospfv3HostRowStatus::={mib-2 ospfv3 ospfv3HostTable ospfv3HostEntry 4}	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y		
1.3.6.1.2.1.191.1.6.1.5	ospfv3HostAreaId::={mib-2 ospfv3 ospfv3HostTable ospfv3HostEntry 5}	The ospfv3 area to which the host belongs	Y		
1.3.6.1.2.1.191.1.7.1.1	ospfv3IfIndex::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 1}	The interface index of this OSPFv3 interface(not accessible)	Y	ospf6_get_if_index ospf6_get_next_if_index	
1.3.6.1.2.1.191.1.7.1.2	ospfv3IfInstId::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 2}	Enables multiple interface instances of OSPFv3 To be run over a single link(not accessible)	Y	ospf6_get_if_inst_id ospf6_get_next_if_inst_id	
1.3.6.1.2.1.191.1.7.1.3	ospfv3IfAreaId::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 3}	A 32-bit integer uniquely identifying the area to which the interface connects	Y	ospf6_get_if_area_id ospf6_get_next_if_area_id	

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1.3.6.1.2.1.191.1.7.1.4	ospfv3IfType::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 4}	The ospfv3 interface type	Y	ospf6_get_if_type ospf6_get_next_if_type ospf6_set_if_type	
1.3.6.1.2.1.191.1.7.1.5	ospfv3IfAdminStat::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 5}	The ospfv3 interface's administrative status	Y	ospf6_get_if_admin_stat ospf6_get_next_if_admin_stat ospf6_set_if_admin_stat	
1.3.6.1.2.1.191.1.7.1.6	ospfv3IfRtrPriority::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 6}	The priority of this interface.Used in multi-access networks, this field is used in the designated router election algorithm	Y	ospf6_get_if_rtr_priority ospf6_get_next_if_rtr_priority ospf6_set_if_rtr_priority	
1.3.6.1.2.1.191.1.7.1.7	ospfv3IfTransitDelay::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 7}	The estimated number of seconds it takes to transmit a link state update packet over this interface	Y	ospf6_get_if_transit_delay ospf6_get_next_if_transit_delay ospf6_set_if_transit_delay	
1.3.6.1.2.1.191.1.7.1.8	ospfv3IfRetransInterval::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 8}	The number of seconds between link state advertisement retransmissions, for adjacencies belonging to this interface	Y	ospf6_get_if_retrans_interval ospf6_get_next_if_retrans_interval ospf6_set_if_retrans_interva	
1.3.6.1.2.1.191.1.7.1.9	ospfv3IfHelloInterval::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 9}	The length of time, in seconds, between the Hello packets that the router sends on the interface	Y	ospf6_get_if_hello_interval ospf6_get_next_if_hello_interval ospf6_set_if_hello_interval	
1.3.6.1.2.1.191.1.7.1.10	ospfv3IfRtrDeadInterval::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 10}	The number of seconds that a router's Hello packets have not been seen before its neighbors declare the router down	Y	ospf6_get_if_rtr_dead_interval ospf6_get_next_if_rtr_dead_interval ospf6_set_if_rtr_dead_interval	
1.3.6.1.2.1.191.1.7.1.11	ospfv3IfPollInterval::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 11}	The larger time interval, in seconds, between the Hello packets sent to an inactive non-broadcast multi-access neighbor	Y	ospf6_get_if_poll_interval ospf6_get_next_if_poll_interval	
1.3.6.1.2.1.191.1.7.1.12	ospfv3IfState::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 12}	The ospfv3 Interface State	Y	ospf6_get_if_state ospf6_get_next_if_state	
1.3.6.1.2.1.191.1.7.1.13	ospfv3IfDesignatedRouter::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 13}	The IP address of the designated router	Y	ospf6_get_if_designated_router ospf6_get_next_if_designated_router	
1.3.6.1.2.1.191.1.7.1.14	ospfv3IfBackupDesignatedRouter::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 14}	The IP address of the backup designated router	Y	ospf6_get_if_backup_designated_router ospf6_get_next_if_backup_designated_r outer	
1.3.6.1.2.1.191.1.7.1.15	ospfv3IfEvents::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 15}	The number of times this ospfv3 interface has changed its state or an error has occurred	Y	ospf6_get_if_events ospf6_get_next_if_events	
1.3.6.1.2.1.191.1.7.1.16	ospfv3IfRowStatus::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 16}	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf6_get_if_row_status ospf6_get_next_if_row_status	
1.3.6.1.2.1.191.1.7.1.17	ospfv3IfDemand::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 17}	Indicates whether Demand ospfv3 procedures (hello suppression to FULL neighbors and setting the DoNotAge flag on propagated LSAs) should be performed on this interface	Y	ospf6_get_if_demand ospf6_get_next_if_demand	

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1.3.6.1.2.1.191.1.7.1.18	ospfv3IfMetricValue::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 18}	The metric assigned to this interface	Y	ospf6_get_if_metric_value ospf6_get_next_if_metric_value ospf6_set_if_metric_value	
1.3.6.1.2.1.191.1.7.1.19	ospfv3IfLinkScopeLsaCount::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 19}	The total number of link-local link state advertisements in this interface's link-local link state database	Y	ospf6_get_if_link_scope_lsa_count ospf6_get_next_if_link_scope_lsa_count	
1.3.6.1.2.1.191.1.7.1.20	ospfv3IfLinkLsaCksumsum::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 20}	The 32-bit unsigned sum of the Link State Advertisements' LS checksums contained in this interface's link-local link state database	Y	ospf6_get_if_link_scope_lsa_cksum_sum ospf6_get_next_if_link_scope_lsa_cksum_sum	
1.3.6.1.2.1.191.1.7.1.21	ospfv3IfDemandNbrProbe::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 21}	Indicates whether or not neighbor probing is enabled to determine whether or not the neighbor is inactive	Y	ospf6_get_if_demand_nbr_probe ospf6_get_next_if_demand_nbr_probe	
1.3.6.1.2.1.191.1.7.1.22	ospfv3IfDemandNbrProbeRetransLimit::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 22}	he number of consecutive LSA retransmissions before The neighbor is deemed inactive and the neighbor adjacency is brought down.	Y	ospf6_get_if_demand_nbr_probe_retrans_limit ospf6_get_next_if_demand_nbr_probe_retrans_limit	
1.3.6.1.2.1.191.1.7.1.23	ospfv3IfDemandNbrProbeInterval::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 23}	Defines how often the neighbor will be probed	Y	ospf6_get_if_demand_nbr_probe_interval ospf6_get_next_if_demand_nbr_probe_interval	
1.3.6.1.2.1.191.1.7.1.24	ospfv3IfTEDisable::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 24}	Indicates whether or not traffic engineering is disabled on the interface when traffic engineering is enabled in the area where the interface is attached	Y	ospf6_get_if_te_disabled ospf6_get_next_if_te_disabled	
1.3.6.1.2.1.191.1.7.1.25	ospfv3IfLinkLSASuppression::={mib-2 ospfv3 ospfv3IfTable ospfv3IfEntry 25}	Specifies whether or not link LSA origination is suppressed for broadcast or NBMA interface types	Y	ospf6_get_if_link_lsa_suppression ospf6_get_next_if_link_lsa_suppression ospf6_set_if_link_lsa_suppression	
1.3.6.1.2.1.191.1.8.1.1	ospfv3VirtIfAreaId::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 1}	The transit area that the virtual link traverses. By definition, this is not 0.0.0.0.(not accessible)	Y		
1.3.6.1.2.1.191.1.8.1.2	ospfv3VirtIfNeighbor::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 2}	The Router ID of the virtual neighbor(not accessible)	Y		
1.3.6.1.2.1.191.1.8.1.3	ospfv3VirtIfIndex::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 3}	The local interface index assigned by the OSPFv3 Process to this OSPFv3 virtual interface	Y	ospf6_get_virt_if_index ospf6_get_next_virt_if_index	
1.3.6.1.2.1.191.1.8.1.4	ospfv3VirtIfInstId::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 4}	The local Interface Instance ID assigned by the OSPFv3 Process to this OSPFv3 virtual interface	Y	ospf6_get_virt_if_inst_id ospf6_get_next_virt_if_inst_id	
1.3.6.1.2.1.191.1.8.1.5	ospfv3VirtIfTransitDelay::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 5}	The estimated number of seconds it takes to transmit a Link State update packet over this interface	Y	ospf6_get_virt_if_transit_delay ospf6_get_next_virt_if_transit_delay	

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1.3.6.1.2.1.191.1.8.1.6	ospfv3VirtIfRetransInterval::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 6}	The number of seconds between link state advertisement retransmissions, for adjacencies belonging to this interface	Y	ospf6_get_virt_if_retrans_interval ospf6_get_next_virt_if_retrans_interval	
1.3.6.1.2.1.191.1.8.1.7	ospfv3VirtIfHelloInterval::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 7}	The length of time, in seconds, between the Hello packets that the router sends on the interface	Y	ospf6_get_virt_if_hello_interval ospf6_get_next_virt_if_hello_interval	
1.3.6.1.2.1.191.1.8.1.8	ospfv3VirtIfRtrDeadInterval::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 8}	The number of seconds that a router's Hello packets have not been seen before its neighbors declare the router down	Y	ospf6_get_virt_if_router_dead_interval ospf6_get_next_virt_if_router_dead_interval	
1.3.6.1.2.1.191.1.8.1.9	ospfv3VirtIfState::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 9}	ospfv3 virtual interface states	Y	ospf6_get_virt_if_state ospf6_get_next_virt_if_state	
1.3.6.1.2.1.191.1.8.1.10	ospfv3VirtIfEvents::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 10}	The number of state changes or error events on this virtual link	Y	ospf6_get_virt_if_events ospf6_get_next_virt_if_events	
1.3.6.1.2.1.191.1.8.1.11	ospfv3VirtIfRowStatus::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 11}	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf6_get_virt_if_row_status ospf6_get_next_virt_if_row_status	
1.3.6.1.2.1.191.1.8.1.12	ospfv3VirtIfLinkScopeLsaCount::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 12}	The total number of link-local link state advertisements in this virtual interface's link-local link state database	Y	ospf6_get_virt_if_link_scope_lsa_count ospf6_get_next_virt_if_link_scope_lsa_count	
1.3.6.1.2.1.191.1.8.1.13	ospfv3VirtIfLinkLsaChecksumsum::={mib-2 ospfv3 ospfv3VirtIfTable ospfv3VirtIfEntry 13}	The 32-bit unsigned sum of the link state advertisements' LS checksums contained in this virtual interface's link-local link state database	Y	ospf6_get_virt_if_link_scope_lsa_checksumsum ospf6_get_next_virt_if_link_scope_lsa_checksumsum	
1.3.6.1.2.1.191.1.9.1.1	ospfv3NbrIfIndex::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 1}	The Local Link ID of the link over which the neighbor can be reached(not accessible)	Y	ospf6_get_nbr_if_index ospf6_get_next_nbr_if_index	
1.3.6.1.2.1.191.1.9.1.2	ospfv3NbrIfInstId::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 2}	Interface instance over which the neighbor can be reached(not accessible)	Y	ospf6_get_nbr_if_inst_id ospf6_get_next_nbr_if_inst_id	
1.3.6.1.2.1.191.1.9.1.3	ospfv3NbrRtrId::={mib-2 ospfv3 ospfv3Objects ospfv3NbrTable ospfv3NbrEntry 3}	A 32-bit unsigned integer uniquely identifying the neighboring router in the Autonomous System(not accessible)	Y	ospf6_get_nbr_rtr_id ospf6_get_next_nbr_rtr_id	
1.3.6.1.2.1.191.1.9.1.4	ospfv3NbrAddressType::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 4}	The address type of ospfv3NbrAddress	Y	ospf6_get_nbr_address_type ospf6_get_next_nbr_address_type	
1.3.6.1.2.1.191.1.9.1.5	ospfv3NbrAddress::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 5}	The IPv6 address of the neighbor associated with the local link	Y	ospf6_get_nbr_address ospf6_get_next_nbr_address	
1.3.6.1.2.1.191.1.9.1.6	ospfv3NbrOptions::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 6}	A bit mask corresponding to the neighbor's Options field	Y	ospf6_get_nbr_options ospf6_get_next_nbr_options	
1.3.6.1.2.1.191.1.9.1.7	ospfv3NbrPriority::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 5}	The priority of this neighbor in the designated Router election algorithm	Y	ospf6_get_nbr_priority ospf6_get_next_nbr_priority	
1.3.6.1.2.1.191.1.9.1.8	ospfv3NbrRowState::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 6}	The state of the relationship with this neighbor	Y	ospf6_get_nbr_row_state ospf6_get_next_nbr_row_state	

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1.3.6.1.2.1.191.1.9.1.9	ospfv3NbrEvents::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 7}	The number of times this neighbor relationship Has changed state or an error has occurred	Y	ospf6_get_nbr_events ospf6_get_next_nbr_events	
1.3.6.1.2.1.191.1.9.1.10	ospfv3NbrLsRetransQLen::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 8}	The current length of the retransmission queue	Y	ospf6_get_nbr_ls_retrans_qlen ospf6_get_next_nbr_ls_retrans_qlen	
1.3.6.1.2.1.191.1.9.1.11	ospfv3NbrHelloSuppressed::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 11}	Indicates whether Hellos are being suppressed To the neighbor	Y	ospf6_get_nbr_hello_suppressed ospf6_get_next_nbr_hello_suppressed	
1.3.6.1.2.1.191.1.9.1.12	ospfv3NbrIfId::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 12}	The Interface ID that the neighbor advertises in its Hello packets on this link, that is, the neighbor's local interface index	Y	ospf6_get_nbr_if_id ospf6_get_next_nbr_if_id	
1.3.6.1.2.1.191.1.9.1.13	ospfv3NbrRestartHelperStatus::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 13}	Indicates whether the router is acting As a graceful restart helper for the neighbor	Y	ospf6_get_virt_nbr_restart_helper_status ospf6_get_next_virt_nbr_restart_helper_status	
1.3.6.1.2.1.191.1.9.1.14	ospfv3NbrRestartHelperAge::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 14}	Remaining time in current ospfv3 graceful restart Interval, if the router is acting as a restart helper for the neighbor	Y	ospf6_get_virt_nbr_restart_helper_age ospf6_get_next_virt_nbr_restart_helper_age	
1.3.6.1.2.1.191.1.9.1.15	ospfv3NbrRestartHelperExitReason::={mib-2 ospfv3 ospfv3NbrTable ospfv3NbrEntry 15}	Describes the outcome of the last attempt at acting As a graceful restart helper for the neighbor	Y	ospf6_get_virt_nbr_restart_helper_exit_reason ospf6_get_next_virt_nbr_restart_helper_exit_reason	
			Y		
1.3.6.1.2.1.191.1.10.1.1	ospfv3CfgNbrIfIndex::={mib-2 ospfv3 ospfv3CfgNbrTable ospfv3CfgNbrEntry 1}	The Local Link ID of the link over which the neighbor can be reached(not accessible)	Y	ospf6_get_cfg_nbr_if_index ospf6_get_next_cfg_nbr_if_index	
1.3.6.1.2.1.191.1.10.1.2	ospfv3CfgNbrIfInstId::={mib-2 ospfv3 ospfv3CfgNbrTable ospfv3CfgNbrEntry 2}	Interface instance over which the neighbor can be reached(not accessible)	Y	ospf6_get_cfg_nbr_if_inst_id ospf6_get_next_cfg_nbr_if_inst_id	
1.3.6.1.2.1.191.1.10.1.3	ospfv3CfgNbrAddressType::={mib-2 ospfv3 ospfv3CfgNbrTable ospfv3CfgNbrEntry 3}	The address type of ospfv3NbrAddress(not accessible)	Y	ospf6_get_cfg_nbr_address_type ospf6_get_next_cfg_nbr_address_type	
1.3.6.1.2.1.191.1.10.1.4	ospfv3CfgNbrAddress::={mib-2 ospfv3 ospfv3CfgNbrTable ospfv3CfgNbrEntry 4}	The IPv6 address of the neighbor associated with the local link(not accessible)	Y	ospf6_get_cfg_nbr_address ospf6_get_next_cfg_nbr_address	
1.3.6.1.2.1.191.1.10.1.5	ospfv3CfgNbrPriority::={mib-2 ospfv3 ospfv3CfgNbrTable ospfv3CfgNbrEntry 5}	The priority of this neighbor in the designated Router election algorithm	Y	ospf6_get_cfg_nbr_priority ospf6_get_cfg_next_nbr_priority ospf6_set_cfg_nbr_priority	
1.3.6.1.2.1.191.1.10.1.6	ospfv3CfgNbrState::={mib-2 ospfv3 ospfv3CfgNbrTable ospfv3CfgNbrEntry 6}	The state of the relationship with this neighbor	Y	ospf6_get_cfg_nbr_state ospf6_get_next_cfg_nbr_state ospf6_set_cfg_nbr_state	

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1.3.6.1.2.1.191.1.11.1.1	ospfv3VirtNbrArea::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 1}	The Transit Area Identifier(not accessible)	Y		
1.3.6.1.2.1.191.1.11.1.2	ospfv3VirtNbrRtrId::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 2}	A 32-bit integer uniquely identifying the Neighboring router in the Autonomous System(not accessible)	Y		
1.3.6.1.2.1.191.1.11.1.3	ospfv3VirtNbrIfIndex::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 3}	The local Interface ID for the virtual link over which the neighbor can be reached.	Y	ospf6_get_virt_nbr_if_index ospf6_get_next_virt_nbr_if_index	
1.3.6.1.2.1.191.1.11.1.4	ospfv3VirtNbrIfInstId::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 4}	The interface instance for the virtual link over which the neighbor can be reached	Y	ospf6_get_virt_nbr_if_inst_id ospf6_get_next_virt_nbr_if_inst_id	
1.3.6.1.2.1.191.1.11.1.5	ospfv3VirtNbrAddressType::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 5}	The address type of ospfv3VirtNbrAddress	Y	ospf6_get_virt_nbr_address_type ospf6_get_next_virt_nbr_address_type	
1.3.6.1.2.1.191.1.11.1.6	ospfv3VirtNbrAddress::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 6}	The IPv6 address advertised by this virtual neighbor	Y	ospf6_get_virt_nbr_address ospf6_get_next_virt_nbr_address	
1.3.6.1.2.1.191.1.11.1.7	ospfv3VirtNbrOptions::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 7}	A Bit Mask corresponding to the neighbor's option field	Y	ospf6_get_virt_nbr_options ospf6_get_next_virt_nbr_options	
1.3.6.1.2.1.191.1.11.1.8	ospfv3VirtNbrState::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 8}	The state of the Virtual Neighbor Relationship	Y	ospf6_get_virt_nbr_state ospf6_get_next_virt_nbr_state	
1.3.6.1.2.1.191.1.11.1.9	ospfv3VirtNbrEvents::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 9}	The number of times this virtual link has Changed its state, or an error has occurred	Y	ospf6_get_virt_nbr_events ospf6_get_next_virt_nbr_events	
1.3.6.1.2.1.191.1.11.1.10	ospfv3VirtNbrRetransQLen::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 10}	The current length of the retransmission queue	Y	ospf6_get_virt_nbr_retrans_qlen ospf6_get_next_virt_nbr_retrans_qlen	
1.3.6.1.2.1.191.1.11.1.11	ospfv3VirtNbrHelloSuppressed::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 11}	Indicates whether Hellos are being suppressed To the neighbor	Y	ospf6_get_virt_nbr_hello_suppressed ospf6_get_next_virt_nbr_hello_suppressed	
1.3.6.1.2.1.191.1.11.1.12	ospfv3VirtNbrIfId::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 12}	The Interface ID that the neighbor advertises in its Hello packets on this virtual link, that is, the neighbor's local Interface ID	Y	ospf6_get_virt_nbr_if_id ospf6_get_next_virt_nbr_if_id	
1.3.6.1.2.1.191.1.11.1.13	ospfv3VirtNbrRestartHelperStatus::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 13}	Indicates whether the router is acting as a graceful restart helper for the neighbor	Y	ospf6_get_virt_nbr_restart_helper_status ospf6_get_next_virt_nbr_restart_helper_status	

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1.3.6.1.2.1.191.1.11.1.14	ospfv3VirtNbrRestartHelperAge::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 14}	Remaining time in the current OSPF graceful restart interval, if the router is acting as a restart helper for the neighbor	Y	ospf6_get_virt_nbr_restart_helper_sge ospf6_get_next_virt_nbr_restart_helper_age	
1.3.6.1.2.1.191.1.11.1.15	ospfv3VirtNbrRestartHelperExitReason::={mib-2 ospfv3 ospfv3VirtNbrTable ospfv3VirtNbrEntry 15}	Describes the outcome of the last attempt at acting As a graceful restart helper for the neighbor	Y	ospf6_get_virt_nbr_restart_helper_exit_reason ospf6_get_next_virt_nbr_restart_helper_exit_reason	
1.3.6.1.2.1.191.1.12.1.1	ospfv3AreaAggregateAreaID::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 1}	The area within which the address aggregate is to be	Y		
1.3.6.1.2.1.191.1.12.1.2	ospfv3AreaAggregateLsdbType::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 2}	The type of the address aggregate	Y		
1.3.6.1.2.1.191.1.12.1.3	ospfv3AreaAggregatePrefixType::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 3}	he prefix type of ospfv3AreaAggregatePrefix	Y		
1.3.6.1.2.1.191.1.12.1.4	ospfv3AreaAggregatePrefix::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 4}	The IPv6 prefix	Y		
1.3.6.1.2.1.191.1.12.1.5	ospfv3AreaAggregatePrefixLength::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 5}	he length of the prefix (in bits)	Y		
1.3.6.1.2.1.191.1.12.1.6	ospfv3AreaAggregateRowStatus::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 6}	This object permits management of the table by facilitating actions such as row creation, construction, and destruction	Y	ospf6_get_area_aggregate_status ospf6_get_next_area_aggregate_status ospf6_set_area_aggregate_status	
1.3.6.1.2.1.191.1.12.1.7	ospfv3AreaAggregateEffect::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 7}	Subnets subsumed by ranges either trigger the advertisement of the indicated aggregate (advertiseMatching) or result in the subnet's not being advertised at all outside the area	Y	ospf6_get_area_aggregate_effect ospf6_get_next_area_aggregate_effect ospf6_set_area_aggregate_effec	
1.3.6.1.2.1.191.1.12.1.8	ospfv3AreaAggregateExtRouteTag::={mib-2 ospfv3 ospfv3AreaAggregateTable ospfv3AreaAggregateEntry 8}	External route tag to be included in NSSA (type-7) LSAs	Y	ospf6_get_area_aggregate_route_tag ospf6_get_next_area_aggregate_route_t ag ospf6_set_area_aggregate_route_tag	
1.3.6.1.2.1.191.1.13.1.1	ospfv3VirtLinkLsdbIfAreaId::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 1}	The transit area that the virtual link traverses(not acc	Y		
1.3.6.1.2.1.191.1.13.1.2	ospfv3VirtLinkLsdbIfNeighbor::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 2}	The Router ID of the virtual neighbor(not accessible)	Y		

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1.3.6.1.2.1.191.1.13.1.3	ospfv3VirtLinkLsdbType::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 3}	The type of the link state advertisement. Each link state type has a separate Advertisement format(not accessible)	Y		
1.3.6.1.2.1.191.1.13.1.4	ospfv3VirtLinkLsdbRouterId::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 4}	The 32-bit number that uniquely identifies the Originating router in the Autonomous System(not accessible)	Y		
1.3.6.1.2.1.191.1.13.1.5	ospfv3VirtLinkLsdbLsid::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 5}	The Link State ID is an LS Type Specific field Containing a 32-bit identifier in IP address format(not accessible)	Y		
1.3.6.1.2.1.191.1.13.1.6	ospfv3VirtLinkLsdbSequence::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 6}	The sequence number field is a signed 32-bit integer	Y	ospf6_get_virt_local_lsdb_sequence ospf6_get_next_virt_local_lsdb_sequenc e	
1.3.6.1.2.1.191.1.13.1.7	ospfv3VirtLinkLsdbAge::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 7}	This field is the age of the link state Advertisement in seconds	Y	ospf6_get_virt_local_lsdb_age ospf6_get_next_virt_local_lsdb_age	
1.3.6.1.2.1.191.1.13.1.8	ospfv3VirtLinkLsdbChecksum::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 8}	This field is the checksum of the complete Contents of the advertisement, excepting the age field	Y	ospf6_get_virt_local_lsdb_checksum ospf6_get_next_virt_local_lsdb_checks um	
1.3.6.1.2.1.191.1.13.1.9	ospfv3VirtLinkLsdbAdvertisement::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 9}	The entire link state advertisement, including Its header	Y	ospf6_get_virt_local_lsdb_advertisement ospf6_get_next_virt_local_lsdb_advertis ement	
1.3.6.1.2.1.191.1.13.1.10	ospfv3VirtLinkLsdbTypeKnown::={mib-2 ospfv3 ospfv3VirtLinkLsdbTable ospfv3VirtLinkLsdbEntry 10}	The value true (1) indicates that the LSA type is recognized by this router	Y	ospf6_get_virt_local_lsdb_type_known ospf6_get_next_virt_local_lsdb_type_kn own	
1.3.6.1.2.1.191.1.14.1	Ospfv3ConfigErrorType::={mib-2 ospfv3 ospfv3NotificationEntry 1}	Potential types of configuration conflicts. Used by the ospfv3ConfigError and ospfv3ConfigVirtError notifications	Y		

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1.3.6.1.2.1.191.1.14.2	ospfv3PacketType::={mib-2 ospfv3 ospfv3NotificationEntry 2}	OSPFv3 packet types	Y		
1.3.6.1.2.1.191.1.14.3	ospfv3PacketSrc::={mib-2 ospfv3 ospfv3NotificationEntry 3}	The IPv6 address of an inbound packet that cannot Be identified by a neighbor instance	Y		
1.3.6.1.2.1.191.0.1	Ospfv3VirtIfStateChange::={mib-2 ospfv3 ospfv3Notifications 1}	An ospfv3VirtIfStateChange notification signifies that there has been a change in the state of an OSPFv3 virtual Interface	Y		
1.3.6.1.2.1.191.0.2	ospfv3NbrStateChange::={mib-2 ospfv3 ospfv3Notifications 2}	An ospfv3NbrStateChange notification signifies that there has been a change in the state of a Non-virtual OSPFv3 neighbor	Y		
1.3.6.1.2.1.191.0.3	ospfv3VirtNbrStateChange::={mib-2 ospfv3 ospfv3Notifications 3}	An ospfv3VirtNbrStateChange notification signifies that there has been a change in the state of an OSPFv3 Virtual neighbor	Y		
1.3.6.1.2.1.191.0.4	ospfv3IfConfigError::={mib-2 ospfv3 ospfv3Notifications 4}	An ospfv3IfConfigError notification signifies that a Packet has been received on a non-virtual interface from a router whose configuration parameters conflict with this router's configuration parameters	Y		
1.3.6.1.2.1.191.0.5	ospfv3VirtIfConfigError::={mib-2 ospfv3 ospfv3Notifications 5}	An ospfv3VirtIfConfigError notification signifies that a Packet has been received on a virtual interface from a router whose configuration parameters conflict with this router's configuration parameters	Y		
1.3.6.1.2.1.191.0.6	ospfv3IfRxBadPacket::={mib-2 ospfv3 ospfv3Notifications 6}	An ospfv3IfRxBadPacket notification signifies that an OSPFv3 packet that cannot be parsed has been received on a Non-virtual interface	Y		
1.3.6.1.2.1.191.0.7	ospfv3VirtIfRxBadPacket::={mib-2 ospfv3 ospfv3Notifications 7}	An ospfv3VirtIfRxBadPacket notification signifies that an OSPFv3 packet that cannot be parsed has been Received on a virtual interface	Y		

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1.3.6.1.2.1.191.0.8	ospfv3LsdbOverflow::={mib-2 ospfv3 ospfv3Notifications 8}	An ospfv3LsdbOverflow notification signifies that the number of LSAs in the router's link state Database has exceeded ospfv3ExtAreaLsdbLimit	Y		
1.3.6.1.2.1.191.0.9	ospfv3LsdbApproachingOverflow::={mib-2 ospfv3 ospfv3Notifications 9}	An ospfv3LsdbApproachingOverflow notification signifies that the number of LSAs in the router's link state database has exceeded ninety percent of Ospf3ExtAreaLsdbLimit	Y		
1.3.6.1.2.1.191.0.10	ospfv3IfStateChange::={mib-2 ospfv3 ospfv3Notifications 10}	An ospfv3IfStateChange notification signifies that there has been a change in the state of a non-virtual OSPFv3 interface	Y		
1.3.6.1.2.1.191.0.11	ospfv3NssaTranslatorStatusChange::={mib-2 ospfv3 ospfv3Notifications 11}	An ospfv3NssaTranslatorStatusChange notification indicates that there has been a change in the router's ability to translate OSPFv3 NSSA LSAs into OSPFv3 External LSAs	Y		
1.3.6.1.2.1.191.0.12	ospfv3RestartStatusChange::={mib-2 ospfv3 ospfv3Notifications 12}	An ospfv3RestartStatusChange notification signifies that there has been a change in the graceful restart State for the router	Y		
1.3.6.1.2.1.191.0.13	ospfv3NbrRestartHelperStatusChange::={mib-2 ospfv3 ospfv3Notifications 13}	An ospfv3NbrRestartHelperStatusChange notification signifies that there has been a change in the Graceful restart helper state for the neighbor	Y		
1.3.6.1.2.1.191.0.14	ospfv3VirtNbrRestartHelperStatusChange::={mib-2 ospfv3 ospfv3Notifications 14}	An ospfv3VirtNbrRestartHelperStatusChange notification signifies that there has been a change in the graceful restart helper state for the virtual neighbor	Y		
1.3.6.1.2.1.191.2.2.1	Ospf3FullCompliance::={mib-2 ospfv3 ospfv3Conformance ospfv3Compliances 1}	The compliance statement	Y		
1.3.6.1.2.1.191.2.2.2	ospfv3ReadOnlyCompliance	When this MIB module is implemented without support for read-create (i.e., in read-only mode), the implementation can claim read-only compliance	Y		

BGP

OID	MIB Object	MIB Description	Supported in ZebOS (Y/N)	Protocol API/Data structure	Remarks
1.3.6.1.2.1.15.1.0	BgpVersion::={ mib-2 bgp 1}	Vector of supported BGP protocol version numbers. Each peer negotiates the version from this vector. Versions are identified via the string of bits contained within this object.	Y	bgp_get_version	
1.3.6.1.2.1.15.2.0	bgpLocalAs::={mib-2 bgp 2}	The local autonomous system number.	Y	bgp_get_local_as	
1.3.6.1.2.1.15.3.1.1	bgpPeerIdentifier::={mib-2 bgp bgpPeerTable bgpPeerEntry 1}	The BGP Identifier of this entry's BGP peer. This entry MUST be 0.0.0.0 unless the bgpPeerState is in the openconfirm or the established state.	Y	bgp_get_peer_identifier , bgp_get_next_peer_identifier	
1.3.6.1.2.1.15.3.1.2	bgpPeerState::={mib-2 bgp bgpPeerTable bgpPeerEntry 2}	The BGP peer connection state.	Y	bgp_get_peer_state , bgp_get_next_peer_state	
1.3.6.1.2.1.15.3.1.3	bgpPeerAdminStatus::={mib-2 bgp bgpPeerTable bgpPeerEntry 3}	The desired state of the BGP connection. A transition from 'stop' to 'start' will cause the BGP Manual Start Event to be generated. A transition from 'start' to 'stop' will cause the BGP Manual Stop Event to be generated. This parameter can be used to restart BGP peer connections. Care should be used in providing write access to this object without adequate authentication.	Y	bgp_get_peer_admin_status , bgp_get_next_peer_admin_status	
1.3.6.1.2.1.15.3.1.4	bgpPeerNegotiatedVersion::={mib-2 bgp bgpPeerTable bgpPeerEntry 4}	The negotiated version of BGP running between the two peers.	Y	bgp_get_peer_negotiated_version , bgp_get_next_peer_negotiated_version	
1.3.6.1.2.1.15.3.1.5	bgpPeerLocalAddr::={mib-2 bgp bgpPeerTable bgpPeerEntry 5}	The local IP address of this entry's BGP connection.	Y	bgp_get_peer_local_addr , bgp_get_next_peer_local_addr	
1.3.6.1.2.1.15.3.1.6	bgpPeerLocalPort::={mib-2 bgp bgpPeerTable bgpPeerEntry 6}	The local port for the TCP connection between the BGP peers.	Y	bgp_get_peer_local_port , bgp_get_next_peer_local_port	
1.3.6.1.2.1.15.3.1.7	bgpPeerRemoteAddr::={mib-2 bgp bgpPeerTable bgpPeerEntry 7}	The remote IP address of this entry's BGP Peer.	Y	bgp_get_peer_remote_addr , bgp_get_next_peer_remote_addr	
1.3.6.1.2.1.15.3.1.8	bgpPeerRemotePort ::={mib-2 bgp bgpPeerTable bgpPeerEntry 8}	The remote port for the TCP connection between the BGP peers. Note that the objects bgpPeerLocalAddr, bgpPeerLocalPort, bgpPeerRemoteAddr, and bgpPeerRemotePort provide the appropriate reference to the standard MIB TCP connection table.	Y	bgp_get_peer_remote_port , bgp_get_next_peer_remote_port	
1.3.6.1.2.1.15.3.1.9	bgpPeerRemoteAs::={mib-2 bgp bgpPeerTable bgpPeerEntry 9}	The remote autonomous system number received in the BGP OPEN message.	Y	bgp_get_peer_remote_as , bgp_get_next_peer_remote_as	
1.3.6.1.2.1.15.3.1.10	bgpPeerInUpdates::={mib-2 bgp bgpPeerTable bgpPeerEntry 10}	The number of BGP UPDATE messages received on this connection.	Y	bgp_get_peer_in_updates , bgp_get_next_peer_in_updates	
1.3.6.1.2.1.15.3.1.11	bgpPeerOutUpdates::={mib-2 bgp bgpPeerTable bgpPeerEntry 11}	The number of BGP UPDATE messages transmitted on this connection.	Y	bgp_get_peer_out_updates , bgp_get_next_peer_out_updates	
1.3.6.1.2.1.15.3.1.12	bgpPeerInTotalMessages::={mib-2 bgp bgpPeerTable bgpPeerEntry 12}	The total number of messages received from the remote peer on this connection.	Y	bgp_get_peer_in_total_messages , bgp_get_next_peer_in_total_messages	
1.3.6.1.2.1.15.3.1.13	bgpPeerOutTotalMessages::={mib-2 bgp bgpPeerTable bgpPeerEntry 13}	The total number of messages transmitted to the remote peer on this connection.	Y	bgp_get_peer_out_total_messages , bgp_get_next_peer_out_total_messages	
1.3.6.1.2.1.15.3.1.14	bgpPeerLastError::={mib-2 bgp bgpPeerTable bgpPeerEntry 14}	The last error code and subcode seen by this peer on this connection. If no error has occurred, this field is zero. Otherwise, the first byte of this two byte OCTET STRING contains the error code, and the second byte contains the subcode.	Y	bgp_get_peer_last_error , bgp_get_next_peer_last_error	
1.3.6.1.2.1.15.3.1.15	bgpPeerFsmEstablishedTransitions::={mib-2 bgp bgpPeerTable bgpPeerEntry 15}	The total number of times the BGP FSM transitioned into the established state for this peer.	Y	bgp_get_fsm_established_transitions , bgp_get_next_fsm_established_transitions	
1.3.6.1.2.1.15.3.1.16	bgpPeerFsmEstablishedTime::={mib-2 bgp bgpPeerTable bgpPeerEntry 16}	This timer indicates how long (in seconds) this peer has been in the established state or how long since this peer was last in the established state. It is set to zero when a new peer is configured or when the router is booted.	Y	bgp_get_fsm_established_time , bgp_get_next_fsm_established_time	
1.3.6.1.2.1.15.3.1.17	bgpPeerConnectRetryInterval::={mib-2 bgp bgpPeerTable bgpPeerEntry 17}	Time interval (in seconds) for the ConnectRetry timer. The suggested value for this timer is 120 seconds.	Y	bgp_get_peer_connect_retry_interval , bgp_get_next_peer_connect_retry_interval , bgp_set_peer_connect_retry_interval ,	

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1.3.6.1.2.1.15.3.1.18	bgpPeerHoldTime::={mib-2 bgp bgpPeerTable bgpPeerEntry 18}	Time interval (in seconds) for the Hold Timer established with the peer. The value of this object is calculated by this BGP speaker, using the smaller of the values in bgpPeerHoldTimeConfigured and the Hold Time received in the OPEN message.	Y	bgp_get_peer_hold_time , bgp_get_next_peer_hold_time ,	
1.3.6.1.2.1.15.3.1.19	bgpPeerKeepAlive::={mib-2 bgp bgpPeerTable bgpPeerEntry 19}	Time interval (in seconds) for the KeepAlive timer established with the peer. The value of this object is calculated by this BGP speaker such that, when compared with bgpPeerHoldTime, it has the same proportion that bgpPeerKeepAliveConfigured has, compared with bgpPeerHoldTimeConfigured.	Y	bgp_get_peer_keep_alive , bgp_get_next_peer_keep_alive	
1.3.6.1.2.1.15.3.1.20	bgpPeerHoldTimeConfigured::={mib-2 bgp bgpPeerTable bgpPeerEntry 20}	Time interval (in seconds) for the Hold Time configured for this BGP speaker with this peer. This value is placed in an OPEN message sent to this peer by this BGP speaker, and is compared with the Hold Time field in an OPEN message received from the peer when determining the HoldTime (bgpPeerHoldTime) with the peer.	Y	bgp_get_peer_hold_time_configured , bgp_get_next_peer_hold_time_configured , bgp_set_peer_hold_time_configured , bgp_set_next_peer_hold_time_configured	
1.3.6.1.2.1.15.3.1.21	bgpPeerKeepAliveConfigured::={mib-2 bgp bgpPeerTable bgpPeerEntry 21}	Time interval (in seconds) for the KeepAlive timer configured for this BGP speaker with this peer. The value of this object will only determine the KEEPALIVE messages' frequency relative to the value specified in bgpPeerHoldTimeConfigured; the actual time interval for the KEEPALIVE messages is indicated by bgpPeerKeepAlive	Y	bgp_get_peer_keep_alive_configured , bgp_get_next_peer_keep_alive_configured , bgp_set_peer_keep_alive_configured , bgp_set_next_peer_keep_alive_configured	
1.3.6.1.2.1.15.3.1.22	bgpPeerMinASOriginationInterval::={mib-2 bgp bgpPeerTable bgpPeerEntry 22}	Time interval (in seconds) for the MinASOriginationInterval timer. The suggested value for this timer is 15 seconds.	Y	interval , bgp_get_nextpeer_min_as_origination_interval , bgp_set_peer_min_as_origination_interval , bgp_set_next_peer_min_as_origination_interval	
1.3.6.1.2.1.15.3.1.23	bgpPeerMinRouteAdvertisementInterval::={ mib-2 bgp bgpPeerTable bgpPeerEntry 23}	Time interval (in seconds) for the MinRouteAdvertisementInterval timer. The suggested value for this timer is 30 Seconds for EBGP connections and 5 Seconds for IBGP connections.	Y	bgp_get_peer_min_route_advertisement_interval , bgp_get_next_peer_min_route_advertisement_interval , bgp_set_peer_min_route_advertisement_interval , bgp_set_next_peer_min_route_advertisement_interval	
1.3.6.1.2.1.15.3.1.24	bgpPeerInUpdateElapsedTime::={mib-2 bgp bgpPeerTable bgpPeerEntry 24}	Elapsed time (in seconds) since the last BGP UPDATE message was received from the peer. Each time bgpPeerInUpdates is incremented, The value of this object is set to zero (0).	Y	bgp_get_peer_in_update_elapsed_time , bgp_get_next_peer_in_update_elapsed_time	
1.3.6.1.2.1.15.4.0	bgpIdentifier::={mib-2 bgp 4}	The BGP Identifier of the local system.	Y	bgp_get_identifier	
1.3.6.1.2.1.15.5.1.1	bgpPathAttrPeer::={mib-2 bgp bgpRcvdPathAttrTable bgpPathAttrEntry 1}	The IP address of the peer where the path Information was learned.	Y	NA	
1.3.6.1.2.1.15.5.1.2	bgpPathAttrDestNetwork::={mib-2 bgp bgpRcvdPathAttrTable bgpPathAttrEntry 2}	The address of the destination network.	Y	NA	
1.3.6.1.2.1.15.5.1.3	bgpPathAttrOrigin::={mib-2 bgp bgpRcvdPathAttrTable bgpPathAttrEntry 3}	The ultimate origin of the path information.	Y	NA	
1.3.6.1.2.1.15.5.1.4	bgpPathAttrASPath::={mib-2 bgp bgpRcvdPathAttrTable bgpPathAttrEntry 4}	The set of ASes that must be traversed to reach the network. This object is probably best represented as SEQUENCE OF INTEGER. For SMI compatibility, though, it is represented as OCTET STRING. Each AS is represented as a pair of octets according to the following algorithm: first-byte-of-pair = ASNumber / 256; Second-byte-of-pair = ASNumber & 255;	Y	NA	
1.3.6.1.2.1.15.5.1.5	bgpPathAttrNextHop::={mib-2 bgp bgpRcvdPathAttrTable bgpPathAttrEntry 5}	The address of the border router that should Be used for the destination network.	Y	NA	
1.3.6.1.2.1.15.5.1.6	bgpPathAttrInterASMetric::={mib-2 bgp bgpRcvdPathAttrTable bgpPathAttrEntry 6}	The optional inter-AS metric. If this attribute has not been provided for this route, The value for this object is 0.	Y	NA	

OID	MIB Object	MIB Description	Supported in ZebOS (Y/N)	Protocol API	Remarks
1.3.6.1.2.1.138.1.1.2.1.1	isisManAreaAddr ::= (Mib-2, isis mib, isisObjects, isisSystem, isisManAreaAddrTable, isisManAreaAddrEntry.1)	A manually configured area address for this system	Y	isis_get_man_area_addr, isis_get_next_man_area_addr, isis_set_man_area_addr	
1.3.6.1.2.1.138.1.1.2.1.2	isisManAreaAddrExistState ::= (Mib-2, isis mib, isisObjects, isisSystem, isisManAreaAddrTable, isisManAreaAddrEntry.2)	The state of the isisManAreaAddrEntry. If the isisSysAdminState for this Intermediate System is 'on' and an attempt is made to set this object to the value 'destroy' or 'not in Service' when this is the only isisManAreaAddrEntry in state 'active' for this Intermediate System should return inconsistentValue.	Y	isis_set_man_area_addr_state, isis_get_next_man_area_addr_state, isis_get_man_area_addr_state	Error:a general failure occurred
1.3.6.1.2.1.138.1.1.3.1.1	isisAreaAddr ::= (Mib-2, isis mib, isisObjects, isisSystem, isisAreaAddrTable, isisManAddrEntry.1)	An area address reported in a Level 1 LSP.	Y	isis_get_sys_area_addr, isis_get_next_sys_area_addr	
1.3.6.1.2.1.138.1.1.4.1.1	isisSummAddrType ::= (Mib-2, isis mib, isisObjects, isisSystem, isisSummAddrTable, isisSummAddrEntry.1)	The Type of IP address for this summary address.	Y	isis_get_summ_addr_type, isis_get_next_summ_addr_type	
1.3.6.1.2.1.138.1.1.4.1.2	isisSummAddr ::= (Mib-2, isis mib, isisObjects, isisSystem, isisSummAddrTable, isisSummAddrEntry.2)	The IP Address value for this summary address. The address must not contain any set host bits	Y	isis_get_summ_address, isis_get_next_summ_address	
1.3.6.1.2.1.138.1.1.4.1.3	isisSummAddrPrefixLen ::= (Mib-2, isis mib, isisObjects, isisSystem, isisSummAddrTable, isisSummAddrEntry.3)	The Length of the IP NetMask for this summary address.	Y	isis_get_summ_addr_prefixlen, isis_get_next_summ_addr_prefixlen	
1.3.6.1.2.1.138.1.1.4.1.4	isisSummAddrExistState ::= (Mib-2, isis mib, isisObjects, isisSystem, isisSummAddrTable, isisSummAddrEntry.4)	The existence state of this summary address. A row entry cannot be modified when the value of this object is 'active'.	Y	isis_get_summ_addr_state, isis_get_next_summ_addr_state, isis_set_summ_addr_state	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.1.4.1.5	isisSummAddrMetric ::= (Mib-2, isis mib, isisObjects, isisSystem, isisSummAddrTable, isisSummAddrEntry.5)	The metric value to announce this summary address within LSPs generated by this system.	Y	isis_get_summ_addr_metric, isis_get_next_summ_addr_metric, isis_set_summ_addr_metric	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.1.4.1.6	isisSummAddrFullMetric ::= (Mib-2, isis mib, isisObjects, isisSystem, isisSummAddrTable, isisSummAddrEntry.6)	The wide metric value to announce this summary address within LSPs generated by this system.	Y	isis_get_summ_addr_full_metric, isis_get_next_summ_addr_full_metric, isis_set_summ_addr_full_metric	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.1.5.1.1	isisRedistributeAddrType ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRedistributeAddrTable, isisRedistributeAddrEntry.1)	The Type of IP address for this summary address.	N	Api not found	N/A
1.3.6.1.2.1.138.1.1.5.1.2	isisRedistributeAddrAddress ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRedistributeAddrTable, isisRedistributeAddrEntry.2)	The IP Address value for this summary address. The type of this address is determined by the value of the isisRedistributeAddrType object.	N	Api not found	N/A
1.3.6.1.2.1.138.1.1.5.1.3	isisRedistributeAddrPrefixLen ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRedistributeAddrTable, isisRedistributeAddrEntry.3)	The Length of the IP NetMask for this summary address.	N	Api not found	N/A
1.3.6.1.2.1.138.1.1.5.1.4	isisRedistributeAddrExistState ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRedistributeAddrTable, isisRedistributeAddrEntry.4)	The existence state of this summary address. A row entry cannot be modified when the value of this object is 'active'.	N	Api not found	N/A
1.3.6.1.2.1.138.1.1.6.1.1	isisRouterSysID ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRouterTable, isisRouterEntry.1)	The System ID of the Intermediate System.	Y		N/A
1.3.6.1.2.1.138.1.1.6.1.2	isisRouterLevel ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRouterTable, isisRouterEntry.2)	The level at which the information about this Intermediate System was received.	Y		N/A
1.3.6.1.2.1.138.1.1.6.1.3	isisRouterHostName ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRouterTable, isisRouterEntry.3)	The hostname listed in the LSP, or a zero-length The hostname listed in the LSP, or a zero-length	Y	isis_get_router_host_name, isis_get_next_router_host_name	N/A
1.3.6.1.2.1.138.1.1.6.1.4	isisRouterID ::= (Mib-2, isis mib, isisObjects, isisSystem, isisRouterTable, isisRouterEntry.4)	The Router ID found in the LSP, or zero if none.	Y	isis_get_router_id, isis_get_next_router_id	N/A
1.3.6.1.2.1.138.1.2.1.1.1	isisSysLevelIndex ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.1)	The level that this entry describes.	Y	isis_get_sys_level_index, isis_get_next_sys_level_index	
1.3.6.1.2.1.138.1.2.1.1.2	isisSysLevelOrigLSPBufferSize ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.2)	The maximum size of LSPs and SNPs originated by this Intermediate System at this level. This object may not be modified when the isisSysAdminState variable is in state 'on' for this Intermediate System.	Y	isis_get_sys_level_lsp_bufsize, isis_get_next_sys_level_lsp_bufsize, isis_set_sys_level_lsp_bufsize	SnmpWalk works but get doesn't work
1.3.6.1.2.1.138.1.2.1.1.3	isisSysLevelMinLSPGenInt ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.3)	Minimum interval, in seconds, between successive generation of LSPs with the same LSPID at this level by this Intermediate System.	Y	isis_get_sys_level_min_lsp_gen_interval, isis_get_next_sys_level_min_lsp_gen_interval, isis_set_sys_level_min_lsp_gen_interval	SnmpWalk works but get doesn't work
1.3.6.1.2.1.138.1.2.1.1.4	isisSysLevelState ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.4)	The state of the database at this level. The value 'off' indicates that IS-IS is not active at this level.	N	Api not found	N/A
1.3.6.1.2.1.138.1.2.1.1.5	isisSysLevelSetOverload ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.5)	Administratively set the overload bit for the level. The overload bit MUST continue to be set if the implementation runs out of memory, independent of this variable.	Y	isis_get_sys_level_set_overload_state, isis_get_next_sys_level_set_overload_state, isis_set_sys_level_set_overload	SnmpWalk works but get, set doesn't work
1.3.6.1.2.1.138.1.2.1.1.6	isisSysLevelSetOverloadUntil ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.6)	If this object is non-zero, the overload bit is set at this level when the isisSysAdminState variable goes to state 'on' for this Intermediate System.	Y	isis_get_sys_level_set_overload_until, isis_get_next_sys_level_set_overload_until, isis_set_sys_level_set_overload_until	SnmpWalk works but get, set doesn't work
1.3.6.1.2.1.138.1.2.1.1.7	isisSysLevelMetricStyle ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.7)	Which style of metric do we generate in our LSPs at this level?	Y	isis_get_sys_level_metric_style, isis_get_next_sys_level_metric_style, isis_set_sys_level_metric_style	SnmpWalk works but get, set doesn't work
1.3.6.1.2.1.138.1.2.1.1.8	isisSysLevelSPConsiders ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.8)	Which style of metric do we consider in our SPF computation at this level?	Y	isis_get_sys_level_spf_considers, isis_get_next_sys_level_spf_considers, isis_set_sys_level_spf_considers	SnmpWalk works but get, set doesn't work
1.3.6.1.2.1.138.1.2.1.1.9	isisSysLevelTEEnabled ::= (Mib-2, isis mib, isisObjects, isisSyslevel, isisSysLevelTable, isisSysLevelEntry.9)	Do we do Traffic Engineering at this level	N	isis_get_sys_level_te_enabled, isis_get_next_sys_level_te_enabled, isis_set_sys_level_te_enabled	SnmpWalk works but get, set doesn't work

1.3.6.1.2.1.138.1.3.1	isisNextCircIndex ::= {Mib-2, isis mib, isisObjects, isisCircIndex .1}	This object is used to assist a management application in creating new rows in the isisCircTable. If it is possible to create a new instance of isisCircEntry, then this object will contain a non-zero value that is not in use as the index of any row in the isisCircTable. The network manager reads the value of this object and then (if the value read is non-zero) attempts to create the corresponding instance of isisCircEntry. If the set request fails with the code \inconsistentValue, then the process must be repeated; if the set request succeeds, then the agent will change the value of this object according to an implementation-specific algorithm.	Y	isis_get_sys_next_circ_index, isis_set_sys_next_circ_index	
1.3.6.1.2.1.138.1.3.2.1.1	isisCircIndex ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .1}	An index used to uniquely identify this circuit. When creating a row in this table, the isisNextCircIndex object should be retrieved, and its value should be specified as the value of this index using a SET operation.	Y	isis_get_circ_index, isis_set_circ_index	
1.3.6.1.2.1.138.1.3.2.1.2	isisCircIfIndex ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .2}	The value of ifIndex for the interface to which this circuit corresponds.	Y	isis_get_circ_if_index, isis_set_circ_if_index	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.3	isisCircAdminState ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .3}	The administrative state of the circuit.	Y	isis_get_circ_admin_state, isis_set_circ_admin_state	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.3.2.1.4	isisCircExistState ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .4}	The existence state of this circuit. Setting the state to 'notInService' halts the generation and processing of IS-IS protocol PDUs on this circuit.	Y	isis_get_circ_exist_state, isis_set_circ_exist_state	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.5	isisCircType ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .5}	The type of the circuit. This object follows the ReplaceOnlyWhileDisabled behavior.	Y	isis_get_circ_type, isis_set_circ_type	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.6	isisCircExtDomain ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .6}	If true, suppress normal transmission of and interpretation of Intra-domain IS-IS PDUs on this circuit.	Y	isis_get_circ_ext_domain, isis_set_circ_ext_domain	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.7	isisCircLevelType ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .7}	Indicates which type of packets will be sent and accepted on this circuit. The values set will be saved, but the values used will be modified by the settings of isisSysLevelType.	Y	isis_get_circ_level, isis_set_circ_level	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.3.2.1.8	isisCircPassiveCircuit ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .8}	Should we include this interface in LSPs, even if it is not running the IS-IS Protocol.	N	isis_get_circ_passive_if, isis_set_circ_passive_if	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.3.2.1.9	isisCircMeshGroupEnabled ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .9}	Is this port a member of a mesh group, or is it blocked? Circuits in the same mesh group act as a virtual multiaccess network.	N	isis_get_circ_mesh_enabled, isis_set_circ_mesh_enabled	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.10	isisCircMeshGroup ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .10}	Circuits in the same mesh group act as a virtual multiaccess network. LSPs seen on one circuit in a mesh group will not be flooded to another circuit in the same mesh group.	N	isis_get_circ_mesh_group, isis_set_circ_mesh_group	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.3.2.1.11	isisCircSmallHellos ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .11}	Can we send unpadding hellos on LAN circuits? False means the LAN Hellos must be padded.	Y	isis_get_circ_small_hellos, isis_set_circ_small_hellos	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.12	isisCircLastUpTime ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .12}	How long the circuit has been enabled, measured in hundredths of seconds since the last re-initialization of the network management subsystem.	Y	isis_get_circ_uptime, isis_set_circ_uptime	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.13	isisCirc3WayEnabled ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .13}	Is this circuit enabled to run 3Way handshake.	Y	isis_get_circ_3way_enabled, isis_set_circ_3way_enabled	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.3.2.1.14	isisCircExtendedCircID ::= {Mib-2, isis mib, isisObjects, isisCircTable, isisCircEntry .14}	The value to be used as the extended circuit ID in 3Way handshake. This value is only used if isisCirc3WayEnabled is true, and it must be unique across all circuits on this IS.	Y	Api not found	N/A
1.3.6.1.2.1.138.1.4.1.1.1	isisCircLevelIndex ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .1}	The level that this entry describes.	Y	isis_get_circ_level_index, isis_set_circ_level_index	
1.3.6.1.2.1.138.1.4.1.1.2	isisCircLevelMetric ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .2}	The metric value of this circuit for this level.	Y	isis_get_circ_level_metric, isis_set_circ_level_metric	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.3	isisCircLevelWideMetric ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .3}	The wide metric value of this circuit for this level.	N	isis_get_circ_level_wide_metric, isis_set_circ_level_wide_metric	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.4	isisCircLevelSPriority ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .4}	The priority for becoming the LAN-Designated Intermediate System at this level.	Y	isis_get_circ_level_priority, isis_set_circ_level_priority	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.5	isisCircLevelDOctet ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .5}	A one-byte identifier for the circuit selected by the Intermediate System.	Y	isis_get_circ_level_id_octet, isis_set_circ_level_id_octet	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.6	isisCircLevelID ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .6}	On a point-to-point circuit with a fully initialized adjacency to a peer IS, the value of this object is the circuit ID negotiated during adjacency initialization.	Y	isis_get_circ_level_id, isis_set_circ_level_id	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.7	isisCircLevelDesID ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .7}	The ID of the LAN-Designated Intermediate System on this circuit at this level. If, for any reason, this system is not partaking in the relevant Designated Intermediate System election process, then the value returned is the zero-length OCTET STRING.	Y	isis_get_circ_level_dis, isis_set_circ_level_dis	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.8	isisCircLevelHelloMultiplier ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .8}	This value is multiplied by the corresponding HelloTimer, and the result in seconds (rounded up) is used as the holding time in transmitted hellos, to be used by receivers of hello packets from this IS.	Y	isis_get_circ_level_level_multiplier, isis_set_circ_level_level_hello_multiplier	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.9	isisCircLevelHelloTimer ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .9}	Maximum period, in milliseconds, between I/H PDUs on multiaccess networks at this level for LANs. The value at L1 is used as the period between Hellos on L1/L2 point-to-point circuits.	Y	isis_get_circ_level_hello_timer, isis_set_circ_level_hello_timer	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.10	isisCircLevelDRHelloTimer ::= {Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .10}	Period, in milliseconds, between Hello PDUs on multiaccess networks when this IS is the Designated Intermediate System.	Y	isis_get_circ_level_dis_hello_timer, isis_set_circ_level_dis_hello_timer	Error:(no such instance currently at this oid)

1.3.6.1.2.1.138.1.4.1.1.11	isisCircLevelSPThrottle::={Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .11}	Minimal interval of time, in milliseconds, between transmissions of LSPs on an interface at this level.	Y	isis_get_circ_level_lsp_throttle, isis_get_next_circ_level_lsp_throttle, isis_set_circ_level_lsp_throttle	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.12	isisCircLevelMinLSPRetransmit::={Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .12}	Minimum interval, in seconds, between re-transmission of an LSP at this level. This object follows the ResettingTimer behavior.	Y	isis_get_circ_level_min_lsp_retrnas, isis_get_next_circ_level_min_lsp_retrnas, isis_set_circ_level_min_lsp_retrnas	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.13	isisCircLevelCSNPInterval::={Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .13}	Interval of time, in seconds, between periodic transmission of a complete set of CSNPs on multiaccess networks if this router is the designated router at this level.	Y	isis_get_circ_level_csnp_interval, isis_get_next_circ_level_csnp_interval, isis_set_circ_level_csnp_interval	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.4.1.1.14	isisCircLevelPartSNPInterval::={Mib-2, isis mib, isisObjects, isisCircLevelValues, isisCircLevelTable, isisCircLevelEntry .14}	Minimum interval, in seconds, between sending Partial Sequence Number PDUs at this level. This object follows the ResettingTimer behavior.	Y	isis_get_circ_level_psnp_interval, isis_get_next_circ_level_psnp_interval, isis_set_circ_level_psnp_interval	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.1	isisSysStatLevel::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .1}	The level that this entry describes.	Y	isis_get_sys_stat_level, isis_get_next_sys_stat_level	
1.3.6.1.2.1.138.1.5.1.1.2	isisSysStatCorrLSPs::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .2}	Number of corrupted in-memory LSPs detected. LSPs received from the wire with a bad checksum are silently dropped and are not counted.	Y	isis_get_sys_stat_corrupted_lsp, isis_get_next_sys_stat_corrupted_lsp	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.3	isisSysStatAuthTypeFails::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .3}	The number of authentication type mismatches recognized by this Intermediate System.	Y	isis_get_sys_stat_auth_type_fails, isis_get_next_sys_stat_auth_type_fails	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.4	isisSysStatAuthFails::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .4}	The number of authentication key failures recognized by this Intermediate System.	Y	isis_get_sys_stat_auth_fails, isis_get_next_sys_stat_auth_fails	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.5	isisSysStatLSPBaseOoads::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .5}	Number of times the LSP database has become overloaded.	Y	isis_get_sys_stat_lspdb_overloaded, isis_get_next_sys_stat_lspdb_overloaded	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.6	isisSysStatManAddrDropFromAreas::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .6}	Number of times a manual address has been dropped from the area.	Y	isis_get_sys_stat_man_addr_drop_area, isis_get_next_sys_stat_man_addr_drop_area	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.7	isisSysStatAttmpToExMaxSeqNums::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .7}	Number of times the IS has attempted to exceed the maximum sequence number	Y	isis_get_sys_stat_exceed_max_seqnums, isis_get_next_sys_stat_exceed_max_seqnums	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.8	isisSysStatSeqNumSkips::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .8}	Number of times a sequence number skip has occurred.	Y	isis_get_sys_stat_seqnum_skips, isis_get_next_sys_stat_seqnum_skips	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.9	isisSysStatOwnLSPPurges::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .9}	Number of times a zero-aged copy of the system's own LSP is received from some other node.	Y	isis_get_sys_stat_lsp_purges, isis_get_next_sys_stat_lsp_purges	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.10	isisSysStatIDFieldLenMismatches::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .10}	Number of times a PDU is received with a different value for ID field length from that of the receiving system.	Y	isis_get_sys_stat_id_len_mismatches, isis_get_next_sys_stat_id_len_mismatches	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.11	isisSysStatPartChanges::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .11}	Partition changes.	Y	isis_get_sys_stat_partition_changes, isis_get_next_sys_stat_partition_changes	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.5.1.1.12	isisSysStatSPFRuns::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .12}	Number of times we ran SPF at this level.	Y	isis_get_sys_stat_spf_runs, isis_get_next_sys_stat_spf_runs	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.1.1.13	isisSysStatLSPErrors::={Mib-2, isis mib, isisObjects, isisCounters, isisSystemCounterTable, isisSystemCounterEntry .13}	Number of LSPs with errors we have received.	Y	isis_get_sys_stat_lsp_errors, isis_get_next_sys_stat_lsp_errors	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.5.2.1.1	isisCircuitType::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .1}	What type of circuit saw these counts? The point-to-point Hello PDU includes both L1 and L2, and ISs form a single adjacency on point-to-point links.	Y	isis_get_circuit_type, isis_get_next_circuit_type	
1.3.6.1.2.1.138.1.5.2.1.2	isisCircAdjChanges::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .2}	The number of times an adjacency state change has occurred on this circuit.	Y	isis_get_circ_adj_changes, isis_get_next_circ_adj_changes	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.2.1.3	isisCircNumAdj::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .3}	The number of adjacencies on this circuit.	Y	isis_get_circ_num_adj, isis_get_next_circ_num_adj	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.2.1.4	isisCircInitFails::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .4}	The number of times initialization of this circuit has failed. This counts events such as PPP NCP failures.	Y	isis_get_circ_init_fails, isis_get_next_circ_init_fails	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.2.1.5	isisCircRejAdjs::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .5}	The number of times an adjacency has been rejected on this circuit.	Y	isis_get_circ_rej_adjs, isis_get_next_circ_rej_adjs	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.2.1.6	isisCircIDFieldLenMismatches::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .6}	The number of times an IS-IS control PDU with an ID field length different from that for this system has been received.	Y	isis_get_circ_id_len_mismatches, isis_get_next_circ_id_len_mismatches	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.2.1.7	isisCircMaxAreaAddrMismatches::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .7}	The number of times an IS-IS control PDU with a max area address field different from that for this system has been received.	Y	isis_get_circ_max_area_addr_mismatches, isis_get_next_circ_max_area_addr_mismatches	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.2.1.8	isisCircAuthTypeFails::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .8}	The number of times an IS-IS control PDU with an auth type field different from that for this system has been received.	Y	isis_get_circ_auth_type_fails, isis_get_next_circ_auth_type_fails	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.2.1.9	isisCircAuthFails::={Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .9}	The number of times an IS-IS control PDU with the correct auth type has failed to pass authentication validation.	Y	isis_get_circ_auth_fails, isis_get_next_circ_auth_fails	SnmpWalk works but get,set doesn't work

1.3.6.1.2.1.138.1.5.2.1.10	isisCircLANDesiChanges:=(Mib-2, isis mib, isisObjects, isisCounters, isisCircuitCounterTable, isisCircuitCounterEntry .10)	The number of times the Designated IS has changed on this circuit at this level. If the circuit is point to point, this count is zero.	Y	isis_get_circ_len_dis_changes,isis_get_next_circ_len_dis_changes	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.3.1.1	isisPacketCountLevel:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .1)	The level at which these PDU counts have been collected.	Y	isis_get_packet_count_level,isis_get_next_packet_count_level	
1.3.6.1.2.1.138.1.5.3.1.2	isisPacketCountDirection:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .2)	Were we sending or receiving these PDUs?	Y	isis_get_packet_count_direction,isis_get_next_packet_count_direction	
1.3.6.1.2.1.138.1.5.3.1.3	isisPacketCountIHello:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .3)	The number of IS-IS Hello PDUs seen in this direction at this level.	Y	isis_get_packet_count_hello,isis_get_next_packet_count_hello	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.3.1.4	isisPacketCountISHello:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .4)	The number of ES-IS Hello PDUs seen in this direction. ISH PDUs are counted at the lowest enabled level: at L1 on L1 or L1L2 circuits, and at L2 otherwise.	Y	isis_get_packet_count_is_hello,isis_get_next_packet_count_is_hello	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.3.1.5	isisPacketCountESHello:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .5)	The number of ES Hello PDUs seen in this direction. ESH PDUs are counted at the lowest enabled level: at L1 on L1 or L1L2 circuits, and at L2 otherwise.	Y	isis_get_packet_count_es_hello,isis_get_next_packet_count_es_hello	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.3.1.6	isisPacketCountLSP:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .6)	The number of IS-IS LSPs seen in this direction at this level.	Y	isis_get_packet_count_lsp,isis_get_next_packet_count_lsp	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.3.1.7	isisPacketCountCSNP:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .7)	The number of IS-IS CSNPs seen in this direction at this level.	Y	isis_get_packet_count_csnp,isis_get_next_packet_count_csnp	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.3.1.8	isisPacketCountPSNP:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .8)	The number of IS-IS PSNPs seen in this direction at this level.	Y	isis_get_packet_count_psnp,isis_get_next_packet_count_psnp	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.5.3.1.9	isisPacketCountUnknown:=(Mib-2, isis mib, isisObjects, isisCounters, isisPacketCounterTable, isisPacketCounterEntry .9)	The number of unknown IS-IS PDUs seen at this level.	Y	isis_get_packet_count_unknown,isis_get_next_packet_count_unknown	SnmpWalk works but get,set doesn't work
1.3.6.1.2.1.138.1.6.1.1.1	isisAdjIndex:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .1)	A unique value identifying the IS adjacency from all other such adjacencies on this circuit. This value is automatically assigned by the system when the adjacency is created.	Y	isis_get_is_adj_index,isis_get_next_is_adj_index	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.2	isisAdjState:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .2)	The state of the adjacency.	Y	isis_get_is_adj_state,isis_get_next_is_adj_state	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.3	isisAdj3WayState:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .3)	The 3Way state of the adjacency. These are picked to match the historical on-the-wire representation of the 3Way state and are not intended to match isisAdjState.	Y	isis_get_is_adj_3way_state,isis_get_next_is_adj_3way_state	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.4	isisAdjNeighborSNPAAddress:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .4)	The SNPA address of the neighboring system.	Y	isis_get_is_adj_nbr_snpa_addr,isis_get_next_is_adj_nbr_snpa_addr	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.5	isisAdjNeighborSysType:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .5)	The type of the neighboring system.	Y	isis_get_is_adj_nbr_sys_type,isis_get_next_is_adj_nbr_sys_type	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.6	isisAdjNeighborSysID:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .6)	The system ID of the neighboring Intermediate system	Y	isis_get_is_adj_id	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.7	isisAdjNeighborExtendedCircuitID:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .7)	The 4-byte Extended Circuit ID learned from the Neighbor during 3-way handshake, or 0.	Y	isis_get_is_adj_extended_circ_id,isis_get_next_is_adj_extended_circ_id	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.8	isisAdjUsage:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .8)	How is the adjacency used? On a point-to-point link, this might be level1and2, but on a LAN, the usage will be level1 on the adjacency between peers at L1, and level2 for the adjacency between peers at L2.	Y	isis_get_is_adj_usage,isis_get_next_is_adj_usage	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.9	isisAdjHoldTimer:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .9)	The holding time, in seconds, for this adjacency. This value is based on received IIS PDUs and the elapsed time since receipt.	Y	isis_get_is_adj_hold_time,isis_get_next_is_adj_hold_time	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.10	isisAdjNeighborPriority:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .10)	Priority of the neighboring Intermediate System for becoming the Designated Intermediate System.	Y	isis_get_is_adj_nbr_priority,isis_get_next_is_adj_nbr_priority	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.1.1.11	isisAdjLastUpTime:=(Mib-2, isis mib, isisObjects, isisAdj, isisAdjTable, isisAdjEntry .11)	When the adjacency most recently entered the state 'up', measured in hundredths of a second since the last re-initialization of the network management subsystem.	Y	isis_get_is_adj_uptime,isis_get_next_is_adj_uptime	Error:(no such object currently at this oid)
1.3.6.1.2.1.138.1.6.2.1.1	isisAdjAreaAddrIndex:=(Mib-2, isis mib, isisObjects, isisISAdj, isisISAdjAreaAddrTable, isisISAdjAreaAddrEntry .1)	An index for the areas associated with one neighbor. This provides a simple way to walk the table.	Y	isis_get_is_adj_area_addr_index,isis_get_next_is_adj_area_addr_index	
1.3.6.1.2.1.138.1.6.2.1.2	isisAdjAreaAddress:=(Mib-2, isis mib, isisObjects, isisISAdj, isisISAdjAreaAddrTable, isisISAdjAreaAddrEntry .2)	One Area Address as reported in IIS PDUs received from the neighbor.	Y	isis_get_is_adj_area_address,isis_get_next_is_adj_area_address	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.6.3.1.1	isisAdjIPAddrIndex:=(Mib-2, isis mib, isisObjects, isisISAdj, isisISAdjIPAddrTable, isisISAdjIPAddrEntry .1)	An index to this table that identifies the IP addresses to which this entry belongs.	Y	isis_get_is_adj_ip_addr_index,isis_get_next_is_adj_ip_addr_index	
1.3.6.1.2.1.138.1.6.3.1.2	isisAdjIPAddrType:=(Mib-2, isis mib, isisObjects, isisISAdj, isisISAdjIPAddrTable, isisISAdjIPAddrEntry .2)	The type of one IP address as reported in IIS PDUs received from the neighbor.	Y	isis_get_is_adj_ip_addr_type,isis_get_next_is_adj_ip_addr_type	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.6.3.1.3	isisAdjIPAddrAddress:=(Mib-2, isis mib, isisObjects, isisISAdj, isisISAdjIPAddrTable, isisISAdjIPAddrEntry .3)	The type of this address is determined by the value of the isisISAdjIPAddrType object.	Y	isis_get_is_adj_ip_address,isis_get_next_is_adj_ip_address	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.6.4.1.1	isisAdjProtSuppProtocol:=(Mib-2, isis mib, isisObjects, isisISAdj, isisISAdjProtSuppTable, isisISAdjProtSuppEntry .1)	One supported protocol as reported in IIS PDUs received from the neighbor.	Y	isis_get_is_adj_prot_supp_protocol,isis_get_next_is_adj_prot_supp_protocol	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.1	isisRAIndex:=(Mib-2, isis mib, isisObjects, isisReachAddr, isisRAEntry, isisRAEntry .1)	The identifier for this isisRAEntry. This value must be unique amongst all Reachable Addresses on the same parent Circuit.	N		Error:(no such instance currently at this oid)

1.3.6.1.2.1.138.1.7.1.1.2	isisRAExistState::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .2}	The existence state of this Reachable Address. This object follows the ManualOrAutomatic behaviors.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.3	isisRAAdminState::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .3}	The administrative state of the Reachable Address. This object follows the ManualOrAutomatic behaviors.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.4	isisRAAddrPrefix::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .4}	The destination of this Reachable Address. This is an Address Prefix. This object follows the ReplaceOnlyWhileDisabled and ManualOrAutomatic behaviors.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.5	isisRAMapType::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .5}	The type of mapping to be employed to ascertain the SNPA Address that should be used in forwarding PDUs for this Reachable Address prefix.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.6	isisRAMetric::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .6}	The metric value for reaching the specified prefix over this circuit. This object follows the ManualOrAutomatic behavior.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.7	isisRAMetricType::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .7}	Indicates whether the metric is internal or external. This object follows the ManualOrAutomatic behavior.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.8	isisRASNPAAAddress::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .8}	The SNPA Address to which a PDU may be forwarded in order to reach a destination that matches the address prefix of the Reachable Address.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.9	v::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .9}	A bit mask with 1 bit indicating the positions in the effective destination address from which embedded SNPA information is to be extracted.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.10	isisRASNPAPrefix::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .10}	A fixed SNPA prefix for use when the isisRAMapType is extractDSP. The SNPA Address to use is formed by concatenating the fixed SNPA prefix with a variable SNPA part that is extracted from the effective destination address.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.7.1.1.11	isisRAType::={Mib-2, isis mib, isisObjects, isisReachAddr, isisRATable, isisRAEntry .11}	The type of Reachable address. Those of type manual are created by the network manager.	N	Api not found	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.1	isisIPRADestType::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .1}	The type of this IP Reachable Address.	N	isis_get_ip_ra_dest_type, isis_get_next_ip_ra_dest_type	
1.3.6.1.2.1.138.1.8.1.1.2	isisIPRADest::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .2}	The destination of this IP Reachable Address. This is a network address, subnetwork address, or host address.	N	isis_get_ip_ra_dest, isis_get_next_ip_ra_dest	
1.3.6.1.2.1.138.1.8.1.1.3	isisIPRADestPrefixLen::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .3}	The length of the IP Netmask for Reachability Address.	N	isis_get_ip_ra_dest_prefix_len, isis_get_next_ip_ra_dest_prefix_len	
1.3.6.1.2.1.138.1.8.1.1.4	isisIPRANextHopIndex::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .4}	Index of next hop. Used when there are multiple Equal Cost Multipath alternatives for the same destination.	N	Api not found	N/A
1.3.6.1.2.1.138.1.8.1.1.5	isisIPRANextHopType::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .5}	The type of the IP next hop address.	N	isis_get_ip_ra_nexthop_type, isis_get_next_ip_ra_nexthop_type	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.6	isisIPRANextHop::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .6}	The type of this address is determined by the value of the isisIPRANextHopType object.	N	isis_get_ip_ra_nexthop, isis_get_next_ip_ra_nexthop	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.7	isisIPRAType::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .7}	The type of this IP Reachable Address. Those of type manual are created by the network manager. Those of type automatic are created through propagation of routing information from another routing protocol.	N	isis_get_ip_ra_type, isis_get_next_ip_ra_type, isis_set_ip_ra_type	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.8	isisIPRAExistState::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .8}	The state of this IP Reachable Address. This object follows the ExistenceState and ManualOrAutomatic behaviors.	N	isis_get_ip_ra_exist_state, isis_get_next_ip_ra_exist_state, isis_set_ip_ra_exist_state	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.9	isisIPRAAdminState::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .9}	The administrative state of the IP Reachable Address. This object follows the IsisAdminState and ManualOrAutomatic Behaviors.	N	isis_get_ip_ra_admin_state, isis_get_next_ip_ra_admin_state, isis_set_ip_ra_admin_state	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.10	isisIPRAMetric::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .10}	The metric value for reaching the specified destination over this circuit. This object follows the ManualOrAutomatic behavior.	N	isis_get_ip_ra_metric, isis_get_next_ip_ra_metric, isis_set_ip_ra_metric	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.11	isisIPRAMetricType::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .11}	Indicates whether the metric is internal or external. This object follows the ManualOrAutomatic behavior.	N	isis_get_ip_ra_metric_type, isis_get_next_ip_ra_metric_type, isis_set_ip_ra_metric_type	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.12	isisIPRAFullMetric::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .12}	The wide metric value for reaching the specified destination over this circuit. This object follows the ManualOrAutomatic behavior.	N	isis_get_ip_ra_full_metric, isis_get_next_ip_ra_full_metric, isis_set_ip_ra_full_metric	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.13	isisIPRASNPAAAddress::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .13}	The SNPA Address to which a PDU may be forwarded in order to reach a destination that matches this IP Reachable Address.	N	isis_get_ip_ra_snpa_address, isis_get_next_ip_ra_snpa_address	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.8.1.1.14	isisIPRASourceType::={Mib-2, isis mib, isisObjects, isisIPReachAddr, isisIPRATable, isisIPRAEntry .14}	The origin of this route.	N	isis_get_ip_ra_source_type, isis_get_next_ip_ra_source_type	Error:(no such instance currently at this oid)
1.3.6.1.2.1.138.1.9.1.1.1	isisLSPLevel::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .1}	At which level does this LSP appear?	Y	isis_get_lsp_level, isis_get_next_lsp_level	
1.3.6.1.2.1.138.1.9.1.1.2	isisLSPID::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .2}	The 8-byte LSP ID for this Link State PDU.	Y	isis_get_lsp_id, isis_get_next_lsp_id	
1.3.6.1.2.1.138.1.9.1.1.3	isisLSPSeq::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .3}	The sequence number for this LSP.	Y	isis_get_lsp_seq, isis_get_next_lsp_seq	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.1.1.4	isisLSPZeroLife::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .4}	Is this LSP being purged by this system?	Y	isis_get_lsp_zero_life, isis_get_next_lsp_zero_life	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.1.1.5	isisLSPChecksum::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .5}	The 16-bit Fletcher Checksum for this LSP.	Y	isis_get_lsp_checksum, isis_get_next_lsp_checksum	snmpwalk works but give more instances

1.3.6.1.2.1.138.1.9.1.1.6	isisLSPLifetimeRemain::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .6}	an LSP with a parse error.	Y	isis_get_osp_lifetime_remain,isis_get_next_osp_lifetime_remain	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.1.1.7	isisLSPPDULength::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .7}	The length of this LSP.	Y	isis_get_osp_pdu_length,isis_get_next_osp_pdu_length	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.1.1.8	isisLSPAttributes::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPSummaryTable, isisLSPSummaryEntry .8}	Flags carried by the LSP.	Y	isis_get_osp_attributes,isis_get_next_osp_attributes	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.2.1.1	isisLSPTLVIndex::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPTLVTable, isisLSPTLVEntry .1}	The index of this TLV in the LSP. The first TLV has index 1, and the Nth TLV has an index of N.	Y	isis_get_osp_tlv_index,isis_get_next_osp_tlv_index	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.2.1.2	isisLSPTLVSeq::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPTLVTable, isisLSPTLVEntry .2}	The sequence number for this LSP.	Y	isis_get_osp_tlv_seq,isis_get_next_osp_tlv_seq	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.2.1.3	isisLSPTLVChecksum::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPTLVTable, isisLSPTLVEntry .3}	The 16-bit Fletcher Checksum for this LSP.	Y	isis_get_osp_tlv_checksum,isis_get_next_osp_tlv_checksum	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.2.1.4	isisLSPTLVType::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPTLVTable, isisLSPTLVEntry .4}	The type of this TLV.	Y	isis_get_osp_tlv_type,isis_get_next_osp_tlv_type	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.2.1.5	isisLSPTLVLen::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPTLVTable, isisLSPTLVEntry .5}	The length of this TLV.	Y	isis_get_osp_tlv_len,isis_get_next_osp_tlv_len	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.9.2.1.6	isisLSPTLVValue::={Mib-2, isis mib, isisObjects, isisLSPDataBase, isisLSPTLVTable, isisLSPTLVEntry .6}	The value of this TLV.	Y	isis_get_osp_tlv_value,isis_get_next_osp_tlv_value	snmpwalk works but give more instances
1.3.6.1.2.1.138.1.10.1.1	isisNotificationSysLevelIndex::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .1}	The system level for this notification.	Y		N/A
1.3.6.1.2.1.138.1.10.1.2	isisNotificationCircuitIndex::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .2}	The identifier of this circuit relevant to this notification.	Y		N/A
1.3.6.1.2.1.138.1.10.1.3	isisPduLspId::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .3}	An Octet String that uniquely identifies a Link State PDU.	Y		N/A
1.3.6.1.2.1.138.1.10.1.4	isisPduFragment::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .4}	Holds up to 64 initial bytes of a PDU that triggered the notification.	Y		N/A
1.3.6.1.2.1.138.1.10.1.5	isisPduFieldLen::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .5}	Holds the System ID length reported in PDU we received.	Y		N/A
1.3.6.1.2.1.138.1.10.1.6	isisPduMaxAreaAddress::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .6}	Holds the Max Area Addresses reported in a PDU we received.	Y		N/A
1.3.6.1.2.1.138.1.10.1.8	isisPduLspSize::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .8}	Holds the size of LSP we received that is too big to forward.	Y		N/A
1.3.6.1.2.1.138.1.10.1.9	isisPduOriginatingBufferSize::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .9}	Holds the size of isisSysLevelOrigLSPBufferSize advertised by the peer in the originatingLSPBufferSize TLV. If the peer does not advertise this TLV, this value is set to 0.	Y		N/A
1.3.6.1.2.1.138.1.10.1.10	isisPduBufferSize::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .10}	Holds the size of LSP received from peer.	Y		N/A
1.3.6.1.2.1.138.1.10.1.11	isisPduProtocolsSupported::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .11}	The list of protocols supported by an adjacent system. This may be empty.	Y		N/A
1.3.6.1.2.1.138.1.10.1.12	isisAdjState::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .12}	The current state of an adjacency.	Y		N/A
1.3.6.1.2.1.138.1.10.1.13	isisErrorOffset::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .13}	An offset to a problem in a PDU. If the problem is a malformed TLV, this points to the beginning of the TLV. If the problem is in the header, this points to the byte that is suspicious.	Y		N/A
1.3.6.1.2.1.138.1.10.1.14	isisErrorTLVType::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .14}	The type for a malformed TLV.	Y		N/A
1.3.6.1.2.1.138.1.10.1.15	isisNotificationAreaAddress::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .15}	An Area Address.	Y		N/A
1.3.6.1.2.1.138.1.10.1.7	isisPduProtocolVersion::={Mib-2, isis mib, isisNotifications, isisNotificationEntry .7}	Holds the Protocol version reported in PDU we received.	Y		
1.3.6.1.2.1.138.0.1	isisDatabaseOverload::={Mib-2, isis mib, isisNotifications .1}	This notification is generated when the system enters or leaves the Overload state.	Y	isisDatabaseOverload	N/A
1.3.6.1.2.1.138.0.2	isisManualAddressDrops::={Mib-2, isis mib, isisNotifications .2}	This notification is generated when one of the manual areaAddresses assigned to this system is ignored when computing routes. The object isisNotificationAreaAddress describes the area that has been dropped.	Y	isisManualAddressDrops	N/A
1.3.6.1.2.1.138.0.3	isisCorruptedLSPDetected::={Mib-2, isis mib, isisNotifications .3}	This notification is generated when we find that an LSP that was stored in memory has become corrupted. The number of times this has been generated is counted by isisSysCorrLSPs.	Y	isisCorruptedLSPDetected	N/A
1.3.6.1.2.1.138.0.4	isisAttemptToExceedMaxSequence::={Mib-2, isis mib, isisNotifications .4}	When the sequence number on an LSP we generate wraps the 32-bit sequence counter, we purge and wait to re-announce this information.	Y	isisAttemptToExceedMaxSequence	N/A
1.3.6.1.2.1.138.0.5	isisDlenMismatch::={Mib-2, isis mib, isisNotifications .5}	A notification sent when we receive a PDU with a different value for the System ID Length.	Y	isisDlenMismatch	N/A
1.3.6.1.2.1.138.0.6	isisMaxAreaAddressesMismatch::={Mib-2, isis mib, isisNotifications .6}	A notification sent when we receive a PDU with a different value for the Maximum Area Addresses.	Y	isisMaxAreaAddressesMismatch	N/A
1.3.6.1.2.1.138.0.7	isisOwnLSPPurge::={Mib-2, isis mib, isisNotifications .7}	A notification sent when we receive a PDU with our systemID and zero age. This notification includes the circuit index and router ID from the LSP, if available, which may help a network manager identify the source of the confusion."	Y	isisOwnLSPPurge	N/A

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1.3.6.1.2.1.138.0.8	isisSequenceNumberSkip::={Mib-2, isis mib, isisNotifications .8}	When we receive an LSP with our System ID and different contents, we may need to reissue the LSP with a higher sequence number.	Y	isisSequenceNumberSkip	N/A
1.3.6.1.2.1.138.0.9	isisAuthenticationTypeFailure::={Mib-2, isis mib, isisNotifications .9}	A notification sent when we receive a PDU with the wrong authentication type field.	Y	isisAuthenticationTypeFailure	N/A
1.3.6.1.2.1.138.0.10	isisAuthenticationFailure::={Mib-2, isis mib, isisNotifications .10}	A notification sent when we receive a PDU with an incorrect authentication information field.	Y	isisAuthenticationFailure	N/A
1.3.6.1.2.1.138.0.11	isisVersionSkew::={Mib-2, isis mib, isisNotifications .11}	A notification sent when we receive a Hello PDU from an IS running a different version of the protocol.	Y	isisVersionSkew	N/A
1.3.6.1.2.1.138.0.12	isisAreaMismatch::={Mib-2, isis mib, isisNotifications .12}	A notification sent when we receive a Hello PDU from an IS that does not share any area address.	Y	isisAreaMismatch	N/A
1.3.6.1.2.1.138.0.13	isisRejectedAdjacency::={Mib-2, isis mib, isisNotifications .13}	A notification sent when we receive a Hello PDU from an IS but do not establish an adjacency for some reason.	Y	isisRejectedAdjacency	N/A
1.3.6.1.2.1.138.0.14	isisLSPTooLargeToPropagate::={Mib-2, isis mib, isisNotifications .14}	A notification sent when we attempt to propagate an LSP that is larger than the dataLinkBlockSize for the circuit.	Y	isisLSPTooLargeToPropagate	N/A
1.3.6.1.2.1.138.0.15	isisOrigLSPBufferSizeMismatch::={Mib-2, isis mib, isisNotifications .15}	A notification sent when a Level 1 LSP or Level 2 LSP is received that is larger than the local value for isisSysLevelOrigLSPBufferSize, or when an LSP is received that contains the supported Buffer Size option and the value in the PDU option field does not match the local value for isisSysLevelOrigLSPBufferSize.	Y	isisOriginatingLSPBufferSizeMismatch	N/A
1.3.6.1.2.1.138.0.16	isisProtocolsSupportedMismatch::={Mib-2, isis mib, isisNotifications .16}	A notification sent when a non-pseudonode segment 0 LSP is received that has no matching protocols supported.	Y	isisProtocolsSupportedMismatch	N/A
1.3.6.1.2.1.138.0.17	isisAdjacencyChange::={Mib-2, isis mib, isisNotifications .17}	A notification sent when an adjacency changes state, entering or leaving state up.	Y	isisAdjacencyChange	N/A
1.3.6.1.2.1.138.0.18	isisLSPErrorDetected::={Mib-2, isis mib, isisNotifications .18}	This notification is generated when we receive an LSP with a parse error.	Y	isisLSPErrorDetected	N/A
1.3.6.1.2.1.138.1.1.1.1	isisSysVersion::={Mib-2, isis mib, isisObjects, isisSysObject .1}	The version number of the IS-IS protocol that is implemented.	Y	isis_get_sys_version, isis_get_next_sys_version	
1.3.6.1.2.1.138.1.1.1.2	isisSysLevelType::={Mib-2, isis mib, isisObjects, isisSysObject .2}	At which levels is the Intermediate system running ? This object may not be modified when the isisSysAdminState variable is in state 'on' for this Intermediate System.	Y	isis_get_sys_type, isis_get_next_sys_type, isis_set_sys_type	N/A
1.3.6.1.2.1.138.1.1.1.3	isisSysID::={Mib-2, isis mib, isisObjects, isisSysObject .3}	The ID for this Intermediate System. This value is appended to each of the area addresses to form the Network Entity Titles.	Y	isis_get_sys_id, isis_get_next_sys_id	
1.3.6.1.2.1.138.1.1.1.4	isisSysMaxPathSplits::={Mib-2, isis mib, isisObjects, isisSysObject .4}	Maximum number of paths with equal routing metric value which it is permitted to split between.	Y	isis_get_sys_max_path_splits, isis_get_next_sys_max_path_splits, isis_set_sys_max_path_splits	
1.3.6.1.2.1.138.1.1.1.5	isisSysMaxLSPGenInt::={Mib-2, isis mib, isisObjects, isisSysObject .5}	Maximum interval, in seconds, between generated LSPs by this Intermediate System. This object follows the Resetting Timer behavior.	Y	isis_get_sys_max_lsp_gen_interval, isis_get_next_sys_max_lsp_gen_interval, isis_set_sys_max_lsp_gen_interval	
1.3.6.1.2.1.138.1.1.1.6	isisSysPollESHelloRate::={Mib-2, isis mib, isisObjects, isisSysObject .6}	The value, in seconds, to be used for the suggested ES configuration timer in ISH PDUs when soliciting the ES configuration.	Y	isis_get_sys_poll_es_hello_rate, isis_get_next_sys_poll_es_hello_rate, isis_set_sys_poll_es_hello_rate	
1.3.6.1.2.1.138.1.1.1.7	isisSysWaitTime::={Mib-2, isis mib, isisObjects, isisSysObject .7}	Number of seconds to delay in state 'waiting' before entering the state 'on'. This object follows the Resetting Timer behavior.	Y	isis_get_sys_wait_time, isis_get_next_sys_wait_time, isis_set_sys_wait_time	
1.3.6.1.2.1.138.1.1.1.8	isisSysAdminState::={Mib-2, isis mib, isisObjects, isisSysObject .8}	The administrative state of this Intermediate System. Setting this object to the value 'on' when its current value is 'off' enables the Intermediate System.	Y	isis_get_sys_admin_state, isis_get_next_sys_admin_state, isis_set_sys_admin_state	
1.3.6.1.2.1.138.1.1.1.9	isisSysL2toL1Leaking::={Mib-2, isis mib, isisObjects, isisSysObject .9}	If true, allow the router to leak L2 routes into L1. Configured values MUST survive an agent reboot.	Y	isis_get_sys_l2_to_l1_leaking, isis_get_next_sys_l2_to_l1_leaking, isis_set_sys_l2_to_l1_leaking	
1.3.6.1.2.1.138.1.1.1.10	isisSysMaxAge::={Mib-2, isis mib, isisObjects, isisSysObject .10}	Value to place in Remaining Life Time field of the LSPs we generate. This should be at least 300 seconds greater than isisSysMaxLSPGenInt.	Y	isis_get_sys_max_age, isis_get_next_sys_max_age, isis_set_sys_max_age	
1.3.6.1.2.1.138.1.1.1.11	isisSysReceiveLSPBufferSize::={Mib-2, isis mib, isisObjects, isisSysObject .11}	Size of the largest buffer we are designed or configured to store. This should be at least as big as the maximum isisSysLevelOrigLSPBufferSize supported by the system.	Y	isis_get_sys_receive_lsp_buffersize, isis_get_next_sys_receive_lsp_buffersize, isis_set_sys_receive_lsp_buffersize	
1.3.6.1.2.1.138.1.1.1.12	isisSysProtSupported::={Mib-2, isis mib, isisObjects, isisSysObject .12}	This attribute contains the set of protocols supported by this Intermediate System.	Y	isis_get_sys_prot_supported, isis_get_next_sys_prot_supported	N/A
1.3.6.1.2.1.138.1.1.1.13	isisSysNotificationEnable::={Mib-2, isis mib, isisObjects, isisSysObject .13}	If this object is set to true(1), then it enables the emission of IS-IS Notifications. If it is set to false(2), these notifications are not sent.	Y	isis_get_sys_notification_enable, isis_get_next_sys_notification_enable, isis_set_sys_notification_enable	N/A

OID	MB Object	MB Description	Supported in 2e05 (Y/N)	Protocol AP/Data structure	Remarks	STATUS
1.3.6.1.2.207.0	vrp3Notifications -- [mb-2 vrp3MIB]	This indicates whether the vrp enabled router will generate SNMP notifications for events. "Enabled" results in vrp notifications, "disabled" no notifications are sent.	Y			
1.3.6.1.2.207.1.1	vrp3OperationsTable -- [mb-2 vrp3MIB vrp3Operations 1]	Unified operations table for a vrp router that consists of a sequence of "vrp3OperationsEntry" items each of which describe the operational characteristics of a virtual router.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.1.1	vrp3OperationsEntry -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable 1]	An entry in this table describes about the operational characteristics of a virtual router. The information in this table is persistent and when the written entry should save the change to non-volatile storage.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.1.1.1	vrp3OperationsVrid -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 1]	This Object contains the Virtual Router Identifier(VRID).	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.1.1.2	vrp3OperationsMasterAddrType -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 2]	The IP address type of vrp3OperationsEntry and vrp3AssociatesIpAddrEntry. This value determines the type for vrp3OperationsMasterAddr, vrp3OperationsPrimaryAddr, vrp3AssociatesIpAddrEntry.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.1.1.3	vrp3OperationsMasterIpAddr -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 3]	The master router's real (primary) IP address. This would set the address to vrp3OperationsPrimaryIpAddr while transitioning to master state. And this is IP address listed as the source in the vrp Advertisement.	Y			
1.3.6.1.2.207.1.1.1.4	vrp3OperationsPrimaryIpAddr -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 4]	This Object is used to specify the IP address that will become the vrp3OperationsMasterIpAddr and the virtual router should make transition from backup state to master.	Y			
1.3.6.1.2.207.1.1.1.5	vrp3OperationsVruiMacAddr -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 5]	The Virtual MAC address of the virtual router. This object can be derived from the vrp3OperationsVrid.	Y			
1.3.6.1.2.207.1.1.1.6	vrp3OperationsStatus -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 6]	It defines the current state of the virtual router. It has three defined values: initial, backup and master.	Y			
1.3.6.1.2.207.1.1.1.7	vrp3OperationsPriority -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 7]	This object specifies the priority to be used for the virtual router master election process. Higher values imply high priority.	Y			
1.3.6.1.2.207.1.1.1.8	vrp3OperationsAddrCount -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 8]	The number of IP addresses that are associated with the virtual router.	Y			
1.3.6.1.2.207.1.1.1.9	vrp3OperationsAdvertisement -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 9]	The time interval, in seconds, sends the advertisement messages. Only the master router send advertisements.	Y			
1.3.6.1.2.207.1.1.1.10	vrp3OperationsVruiMode -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 10]	It controls whether a higher priority virtual router will preempt a lower priority master.	Y			
1.3.6.1.2.207.1.1.1.11	vrp3OperationsAcceptMode -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 11]	It controls whether a virtual router in master state will accept packets addressed to the owner.	Y			
1.3.6.1.2.207.1.1.1.12	vrp3OperationsTime -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 12]	This value represents the amount of time in TimeTicks.	Y			
1.3.6.1.2.207.1.1.1.13	vrp3OperationsDefunct -- [mb-2 vrp3MIB vrp3Operations vrp3OperationsTable vrp3OperationsEntry 13]	The rowstatus of a currently active row in the vrp3OpsTable is constrained by the operational state of the corresponding virtual router. It is set to be active by default is 1.	Y			
1.3.6.1.2.207.1.1.2	vrp3AssociatesIpAddrTable -- [mb-2 vrp3MIB vrp3Operations vrp3AssociatesIpAddrTable 1]	The table of addresses associated with each virtual router.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.1.2.1	vrp3AssociatesIpAddrEntry -- [mb-2 vrp3MIB vrp3Operations vrp3AssociatesIpAddrTable 1.1]	The entry in this table contains an IP address that is associated with the virtual router.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.1.2.1.1	vrp3AssociatesIpAddrAddress -- [mb-2 vrp3MIB vrp3Operations vrp3AssociatesIpAddrTable vrp3AssociatesIpAddrEntry 1.1]	The assigned IP address of a virtual router is responsible for backing up.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.1.2.2	vrp3AssociatesIpAddrDefunct -- [mb-2 vrp3MIB vrp3Operations vrp3AssociatesIpAddrTable vrp3AssociatesIpAddrEntry 2]	This object by default is set to active(1) or createAndGo(4) results in the addition of an associated address for a virtual router.	Y			
1.3.6.1.2.207.1.2.1	Vrp3RouterCheckumErrors -- [mb-2 vrp3MIB vrp3Statistics 1]	The total number of VRRP packets received with an invalid VRRP checksum value.	Y			
1.3.6.1.2.207.1.2.2	Vrp3RouterVersionErrors -- [mb-2 vrp3MIB vrp3Statistics 2]	The total number of VRRP packets received with an unknown or unsupported version number.	Y			
1.3.6.1.2.207.1.2.3	Vrp3RouterVridErrors -- [mb-2 vrp3MIB vrp3Statistics 3]	The total number of VRRP packets received with an invalid VRID for this virtual router.	Y			
1.3.6.1.2.207.1.2.4	vrp3StatisticsDiscontinuityTime -- [mb-2 vrp3MIB vrp3Statistics 4]	The value of sysUpTime on the recent occasion at which one of vrp3RouterCheckumErrors, vrp3RouterVersionErrors, vrp3RouterVridErrors suffered a discontinuity.	Y			
1.3.6.1.2.207.1.2.5	Vrp3StatisticsTable -- [mb-2 vrp3MIB vrp3Statistics 5.1]	It indicates the virtual router statistics.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.2.5.1	vrp3StatisticsEntry -- [mb-2 vrp3MIB vrp3Statistics vrp3StatisticsTable 1]	Entry in this table contains the statistics information about a given virtual router.	Y	This entry field ID(Status:Not Accessible)		
1.3.6.1.2.207.1.2.5.1.1	2 vrp3MIB vrp3Statistics vrp3StatisticsTable vrp3StatisticsEntry 1.1	The total number of times that the virtual router's state has transitioned to Master state.	Y			
1.3.6.1.2.207.1.2.5.1.2	vrp3StatisticsHowMasterReason -- [mb-2 vrp3MIB vrp3Statistics vrp3StatisticsTable vrp3StatisticsEntry 2]	This indicates the reason for the virtual router to transition to master state. If the virtual router newer transitioned to master state, the value of this object is 0.	Y			

1.3.6.1.2.207.1.2.5.1.3	vrp@StatisticsCpuAdvertInterval:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 3)	The total number of VRRP advertisements received by the virtual router.	Y			
1.3.6.1.2.207.1.2.5.1.4	vrp@StatisticsAdvertIntervalError:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 4)	The total number of VRRP advertisement packets received for which advertisement interval is different from the vrp@OperationsAdvertInterval configured on this virtual router.	Y			
1.3.6.1.2.207.1.2.5.1.5	vrp@StatisticsUpTtlError:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 5)	The total number of VRRP packets received by the virtual router with IP TTL not equal to 255.	Y			
1.3.6.1.2.207.1.2.5.1.6	vrp@StatisticsProtocolReason:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 6)	This indicates the reason for the last protocol error. This should be set to noError(), when no protocol errors are encountered.	Y			
1.3.6.1.2.207.1.2.5.1.7	vrp@StatisticsCpuDownPackets:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 7)	The total number of VRRP packets received by the virtual router with priority of 0.	Y			
1.3.6.1.2.207.1.2.5.1.8	vrp@StatisticsCpuDownPackets:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 8)	The total number of VRRP packets sent by the virtual router with priority of 0	Y			
1.3.6.1.2.207.1.2.5.1.9	vrp@StatisticsInvalidTypePackets:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 9)	The total number of VRRP packets received by the virtual router with an invalid value in the 'type' field.	Y			
1.3.6.1.2.207.1.2.5.1.10	vrp@StatisticsAddressError:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 10)	The total number of packets received for which the address list does not match with the locally configured list for the virtual router.	Y			
1.3.6.1.2.207.1.2.5.1.11	vrp@StatisticsPacketLengthError:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 11)	The total number of packets received with a packet length less than the length of the VRRP header.	Y			
1.3.6.1.2.207.1.2.5.1.12	vrp@StatisticsDownDiscontinuityTime:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 12)	The value of 'uptime' on the recent occasion at which any one or more of this entry's counters suffered a discontinuity.	Y			
1.3.6.1.2.207.1.2.5.1.13	vrp@StatisticsPollingRate:= (job-2 vrp@MIB vrp@Statistics vrp@StatisticsTable vrp@StatisticsEntry 13)	The minimum reasonable polling interval for this entry. This object provides an indication of the minimum amount of time required to update the counters in this entry.	Y			