ZebOS-XP MRIB6 SMI Reference

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3.1 mrib6_msg_ Struct Reference

Data Fields

- smi_cindex_t **cindex_0**
- u_int32_t **vr_id**
- vrf_id_t **vrf_id**
- u_int32_t **rt_limit**
- u_int32_t **rt_thresh**
- char **ifname** [255]
- char **char_src** [128]
- char **char_grp** [128]
- int **mrt_filter**
- char **addr** [128]
- int **cli_mode**
- char **vrf_name** [255]
- int **debug**
- u_int32_t **ifindex**
- u_int32_t **val**
- ut_int64_t **val1**
- u_char **ttl**
- struct smiMRIB6AllVifList **mrib6AllVifList**
- struct smiMRIB6AllIpMrouteList **mrib6AllIpMrouteList**

The documentation for this struct was generated from the following file:

- smi_mrib6_msg.h

3.2 mrib6MrouteInfo Struct Reference

Data Fields

- u_int32_t **mrt_entry_count**
- u_int32_t **mrt_entry_count_bytes**
- u_int32_t **rt_limit**
- u_int32_t **rt_threshold**
- u_int32_t **num_nocache_recv**
- u_int32_t **num_wrongvif_recv**
- u_int32_t **num_wholepkt_recv**
- u_int32_t **num_nocache_sent**
- u_int32_t **num_wrongvif_sent**
- u_int32_t **num_wholepkt_sent**
- u_int32_t **num_imm_stat_sent**
- u_int32_t **num_timed_stat_sent**
- u_int32_t **reg_pkt_sent**
- u_int32_t **reg_ack_recv**
- u_int32_t **reg_nack_recv**
- char **poll_timeutil** [32]
- struct list ∗ **pnInfoList**

The documentation for this struct was generated from the following file:

- smi_mrib6_msg.h

3.3 mrib6VifInfo Struct Reference

Data Fields

- char **modname** [20]
- char **timeutil** [27]
- char **vif_name** [16]
- unsigned int **ifindex**

The documentation for this struct was generated from the following file:

- smi_mrib6_msg.h

3.4 outInterface6 Struct Reference

Data Fields

- char **outName** [31]
- u_char **outTtl**

The documentation for this struct was generated from the following file:

- smi_mrib6_msg.h

3.5 pnInfoData Struct Reference

Data Fields

- u_int32_t **pkts_fwd**
- u_int32_t **bytes_fwd**
- u_int32_t **wrong_if**
- char **modname** [32]
- char **stats_timeutil** [32]
- u_int32_t **_flags**
- char **uptime** [32]
- char **incoming_int** [32]
- char **outgoing_int** [32]
- struct list ∗ **outIntList**

The documentation for this struct was generated from the following file:

- smi_mrib6_msg.h

3.6 smiMRIB6AllIpMrouteList Struct Reference

Data Fields

- int **have_more**
- int **count**
- struct list ∗ **MsgList**

The documentation for this struct was generated from the following file:

- smi_mrib6_msg.h

3.7 smiMRIB6AllVifList Struct Reference

Data Fields

- int **have_more**
- int **count**
- struct list ∗ **MsgList**

The documentation for this struct was generated from the following file:

- smi_mrib6_msg.h

Chapter 4

File Documentation

4.1 smi_mrib6.h File Reference

describes the Multicast Routing Information Base IPv6 (MRIBv6) command API functions `#include "smi_client.h"`

`#include "smi_mrib6_msg.h"`

Functions

- int **smi_mrib6_api_multicast_routing_set_validate** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)
- int **smi_mrib6_api_multicast_routing_unset_validate** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)
- int smi_mrib6_api_vif_ttl_threshold_set_validate (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗ifName, u_char timeToLive)

  This function validates the setting of threshold value for IPv6 multicast routing on the router through the MRIBd process.

- int smi_mrib6_api_vif_ttl_threshold_unset_validate (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗ifName)

  This function validates the unsetting of threshold value for IPv6 multicast routing on the router through the MRIBd process.

- int **smi_mrib6_api_rt_limit_thresh_set_validate** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, u_int32_t routerLimit, u_int32_t routerThresh)
- int **smi_mrib6_api_rt_limit_thresh_unset_validate** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)
- int **smi_mrib6_api_rt_limit_set_validate** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, u_int32_t routerLimit)
- int **smi_mrib6_api_clear_mroute_all_validate** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)

- int **smi_mrib6_api_clear_mroute_stats_all_validate** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)
- int smi_mrib6_api_multicast_routing_set (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)

  This function starts up the L3 IPv6 multicast routing on the router through the MRIBd process.

- int smi_mrib6_api_vif_ttl_threshold_set (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗ifName, u_char timeToLive)

  This function sets the threshold value for IPv6 multicast routing on the router through the MRIBd process.

- int smi_mrib6_api_vif_ttl_threshold_unset (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗ifName)

  This function unsets the threshold value for IPv6 multicast routing on the router through the MRIBd process.

- int smi_mrib6_api_multicast_routing_unset (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)

  This function stops the L3 IPv6 multicast routing on the router through the MRIBd process.

- int smi_mrib6_api_rt_limit_thresh_set (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, u_int32_t routerLimit, u_int32_t routerThresh)

  This function sets the threshold of the route in the multicast route entries in the MRIB/MFIB. command.

- int smi_mrib6_api_rt_limit_thresh_unset (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)

  This function resets the threshold of the multicast route entries in the MRIB/MFIB.

- int smi_mrib6_api_rt_limit_set (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, u_int32_t routerLimit)

  This function sets the limit of the multicast route entries in the MRIB/MFIB.

- int smi_mrib6_api_clear_mroute_all (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)

  This function clears the multicast entry in the MRIB/MFIB.

- int smi_mrib6_api_clear_mroute_stats_all (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName)

  This function clears the multicast route entries, which has the specified group value in the MRIB/MFIB.

- int smi_mrib6_debug_ipv6_sdkapi (struct smiclient_globals ∗azg, int vrId, char ∗vrfName, int debug)

  This function clears the multicast statics, which matches to the specific group entry.

- int smi_mrib6_no_debug_ipv6_sdkapi (struct smiclient_globals ∗azg, int vrId, char ∗vrfName, int debug)

  Use this function to disable debugging of IPv6 multicast.

- int **smi_mrib6_api_rt_limit_set_sdkapi** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, u_int32_t rtLimit)
- int **smi_show_mrib6_vif_all** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, struct list ∗vifAllList, int(∗funpointer)(struct list ∗vifAllList), char ∗ifName)
- int **smi_show_mrib6_ip_mroute_all** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, int mrtFilter, struct list ∗ipMrouteAllList, int(∗funpointer)(struct list ∗ipMrouteAllList))
- int **smi_show_mrib6_ip_mroute_byaddr** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, int mrtFilter, char ∗addr, struct list ∗ipMrouteAllList, int(∗funpointer)(struct list ∗ipMrouteAllList))
- int **smi_show_mrib6_ip_mroute_info_bysgaddr** (struct smiclient_globals ∗azg, u_int32_t vrId, char ∗vrfName, int mrtFilter, char ∗sourceAddr, char ∗groupAddr, struct list ∗ipMrouteAllList, int(∗funpointer)(struct list ∗ipMrouteAllList))

4.1.1 Detailed Description

describes the Multicast Routing Information Base IPv6 (MRIBv6) command API functions The API provided in this file forms the basis of ZebOS mrib6 management. These APIs are used by various north bound management interfaces like CLI, SNMP and SMI

4.1.2 Function Documentation

4.1.2.1 int smi_mrib6_api_clear_mroute_all (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *vrfName*)

This function clears the multicast entry in the MRIB/MFIB. smi_mrib6_api_clear_mroute_all

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance Name

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.2 int smi_mrib6_api_clear_mroute_stats_all (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *vrfName*)

This function clears the multicast route entries, which has the specified group value in the MRIB/MFIB. smi_mrib6_api_clear_mroute_g

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance NAme

→ ***grp*** Group IP address

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF
MRIB_API_SET_ERR_INVALID_GROUP_ADDRESS

smi_mrib6_api_clear_mroute_stats_all This function clears the IPv6 multicast statistics from the MRIB/MFIB.

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance Name

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.3 int smi_mrib6_api_multicast_routing_set (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *vrfName*)

This function starts up the L3 IPv6 multicast routing on the router through the MRIBd process. smi_mrib6_api_multicast_routing_set

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance ID

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.4 int smi_mrib6_api_multicast_routing_unset (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *vrfName*)

This function stops the L3 IPv6 multicast routing on the router through the MRIBd process. smi_mrib6_api_multicast_routing_unset

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance ID

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.5 int smi_mrib6_api_rt_limit_set (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *vrfName*, u_int32_t *routerLimit*)

This function sets the limit of the multicast route entries in the MRIB/MFIB. smi_mrib6_api_rt_limit_set

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance Name

← ***rtLimit*** Route-limit number. This is the number of multicast routes that can be added to a multicast routing table <1-2147483647>.

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF
MRIB_API_SET_ERR_RT_LIMIT_EXCEED_RTS

4.1.2.6 int smi_mrib6_api_rt_limit_thresh_set (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *vrfName*, u_int32_t *routerLimit*, u_int32_t *routerThresh*)

This function sets the threshold of the route in the multicast route entries in the MRIB/MFIB. command. smi_mrib6_api_rt_limit_thresh_set

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance ID

← ***rtLimit*** Route-limit number. This is the number of multicast routes that can be added to a multicast routing table<1-2147483647>.

← ***rtThresh*** Threshold value at which to generate a warning message<1-2147483647>.

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF
MRIB_API_SET_ERR_RT_THRESH_EXCEED_RT_LIMIT
MRIB_API_SET_ERR_RT_LIMIT_EXCEED_RTS

4.1.2.7 int smi_mrib6_api_rt_limit_thresh_unset (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *vrfName*)

This function resets the threshold of the multicast route entries in the MRIB/MFIB. smi_mrib6_api_rt_limit_thresh_unset

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance Name

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.8 int smi_mrib6_api_vif_ttl_threshold_set (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *ifName*, u_char *timeToLive*)

This function sets the threshold value for IPv6 multicast routing on the router through the MRIBd process. smi_mrib6_api_vif_ttl_threshold_set

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***ifName*** Interface Name

← ***timeToLive*** TTL threshold value

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.9 int smi_mrib6_api_vif_ttl_threshold_set_validate (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *ifName*, u_char *timeToLive*)

This function validates the setting of threshold value for IPv6 multicast routing on the router through the MRIBd process. smi_mrib6_api_vif_ttl_threshold_set_validate

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***ifName*** Interface Name

← ***timeToLive*** TTL threshold value

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.10 int smi_mrib6_api_vif_ttl_threshold_unset (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *ifName*)

This function unsets the threshold value for IPv6 multicast routing on the router through the MRIBd process. smi_mrib6_api_vif_ttl_threshold_unset

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***ifName*** Interface Name

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.11 int smi_mrib6_api_vif_ttl_threshold_unset_validate (struct smiclient_globals ∗ *azg*, u_int32_t *vrId*, char ∗ *ifName*)

This function validates the unsetting of threshold value for IPv6 multicast routing on the router through the MRIBd process. smi_mrib6_api_vif_ttl_threshold_unset_validate

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***ifName*** Interface Name

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF

4.1.2.12 int smi_mrib6_debug_ipv6_sdkapi (struct smiclient_globals ∗ *azg*, int *vrId*, char ∗ *vrfName*, int *debug*)

This function clears the multicast statics, which matches to the specific group entry. smi_mrib6_api_clear_mroute_stats_g

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router ID <1-32>

← ***vrfName*** VPN routing/forwarding instance Name

→ ***group*** Group IP address

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes
MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF
MRIB_API_SET_ERR_INVALID_GROUP_ADDRESS

smi_mrib6_debug_ipv6_sdkapi Use this function to specify the set of debug options for the IPv6 multicast

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router id

← ***vrfName*** VRF NAME. Pass Null in case of default VRF

← ***debug*** Pass debug flag as following:

SMI_MRIB6_DEBUG_ALL - Enable all IPv6 multicast debugging
SMI_MRIB6_DEBUG_EVENT - Enable debugging of multicast events
SMI_MRIB6_DEBUG_VIF - Enable debugging of multicast interface
SMI_MRIB6_DEBUG_MRT - Enable debugging of multicast route
SMI_MRIB6_DEBUG_STATS - Enable debugging of multicast statistics
SMI_MRIB6_DEBUG_FIB_MSG - Enable debugging of multicast FIB messages
SMI_MRIB6_DEBUG_REGISTER_MSG - Enable debugging of multicast PIM Register messages
SMI_MRIB6_DEBUG_NSM_MSG - Enable debugging of multicast NSM messages
SMI_MRIB6_DEBUG_MRIB_MSG - Enable debugging of multicast MRIB messages
SMI_MRIB6_DEBUG_MTRACE - Enable debugging of multicast traceroute
SMI_MRIB6_DEBUG_MTRACE_DETAIL - Enable detailed debugging of multicast traceroute messages

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF
MRIB_API_SET_ERROR

4.1.2.13 int smi_mrib6_no_debug_ipv6_sdkapi (struct smiclient_globals ∗ *azg*, int *vrId*, char ∗ *vrfName*, int *debug*)

Use this function to disable debugging of IPv6 multicast. smi_mrib6_no_debug_ipv6_sdkapi

Parameters:

← ***azg*** Pointer to the SMI client global structure

← ***vrId*** Virtual router id

← ***vrfName*** VRF NAME. Pass Null in case of default VRF

← ***debug*** Pass debug flag as following:

SMI_MRIB6_DEBUG_ALL - Enable all IPv6 multicast debugging

SMI_MRIB6_DEBUG_EVENT - Enable debugging of multicast events

SMI_MRIB6_DEBUG_VIF - Enable debugging of multicast interface

SMI_MRIB6_DEBUG_MRT - Enable debugging of multicast route

SMI_MRIB6_DEBUG_STATS - Enable debugging of multicast statistics

SMI_MRIB6_DEBUG_FIB_MSG - Enable debugging of multicast FIB messages

SMI_MRIB6_DEBUG_REGISTER_MSG - Enable debugging of multicast PIM Register messages

SMI_MRIB6_DEBUG_NSM_MSG - Enable debugging of multicast NSM messages

SMI_MRIB6_DEBUG_MRIB_MSG - Enable debugging of multicast MRIB messages

SMI_MRIB6_DEBUG_MTRACE - Enable debugging of multicast traceroute

SMI_MRIB6_DEBUG_MTRACE_DETAIL - Enable detailed debugging of multicast traceroute messages

Returns:

MRIB_API_SET_SUCCESS on success, otherwise one of the following error codes MRIB_API_SET_ERR_WRONG_VR
MRIB_API_SET_ERR_WRONG_VRF
MRIB_API_SET_ERROR

4.2 smi_mrib6_msg.h File Reference

Defines data structures used by MRIB6 SMI APIs. `#include "pal.h"`

```
#include "message.h"
#include "thread.h"
#include "network.h"
#include "log.h"
#include "tlv.h"
#include "syslog.h"
#include <sys/types.h>
#include "pal_types.h"
#include "pal_socket.h"
#include "prefix.h"
```

Data Structures

- struct smiMRIB6AllVifList
- struct smiMRIB6AllIpMrouteList
- struct mrib6_msg_
- struct mrib6VifInfo
- struct mrib6MrouteInfo
- struct pnInfoData
- struct outInterface6

Defines

- #define **SMI_MRIB6_DEBUG_ALL** 0
- #define **SMI_MRIB6_DEBUG_EVENT** 1
- #define **SMI_MRIB6_DEBUG_VIF** 2
- #define **SMI_MRIB6_DEBUG_MRT** 3
- #define **SMI_MRIB6_DEBUG_STATS** 4
- #define **SMI_MRIB6_DEBUG_FIB_MSG** 5
- #define **SMI_MRIB6_DEBUG_REGISTER_MSG** 6
- #define **SMI_MRIB6_DEBUG_NSM_MSG** 7
- #define **SMI_MRIB6_DEBUG_MRIB_MSG** 8
- #define **SMI_MRIB6_DEBUG_MTRACE** 9
- #define **SMI_MRIB6_DEBUG_MTRACE_DETAIL** 10
- #define **SMI_MRIB6_CTYPE_VR_ID** 0
- #define **SMI_MRIB6_CTYPE_VRF_ID** 1
- #define **SMI_MRIB6_CTYPE_RT_LIMIT** 2
- #define **SMI_MRIB6_CTYPE_RT_THRESH** 3
- #define **SMI_MRIB6_CTYPE_GRP** 4

- #define **SMI_MRIB6_CTYPE_SRC** 5
- #define **SMI_MRIB6_CTYPE_CLI_MODE** 6
- #define **SMI_MRIB6_CTYPE_IFNAME** 7
- #define **SMI_MRIB6_CTYPE_MRT_FILTER** 8
- #define **SMI_MRIB6_CTYPE_ADDR** 9
- #define **SMI_MRIB6_CTYPE_SRC_ADDR** 10
- #define **SMI_MRIB6_CTYPE_GRP_ADDR** 11
- #define **SMI_MRIB6_CTYPE_MRIB6ALLVIFLIST** 12
- #define **SMI_MRIB6_CTYPE_MRIB6ALLIPMROUTELIST** 13
- #define **SMI_MRIB6_CTYPE_VRF_NAME** 14
- #define **SMI_MRIB6_CTYPE_DEBUG** 15
- #define **SMI_MRIB6_CTYPE_IFINDEX** 16
- #define **SMI_MRIB6_CTYPE_VAL** 17
- #define **SMI_MRIB6_CTYPE_VAL1** 18
- #define **SMI_MRIB6_CTYPE_TTL** 19
- #define **SMI_MRIB6_CTYPE_EXTENDED_1** 31
- #define **MRIB_MRT_FLAG_STAT_IMM** MRIB_MSG_MRT_STAT_IMMEDIATE
- #define **MRIB_MRT_FLAG_STAT_TIMED** MRIB_MSG_MRT_STAT_TIMED
- #define **SH_IP_MRT_ALL** 0
- #define **SH_IP_MRT_DENSE** 1
- #define **SH_IP_MRT_SPARSE** 2

Typedefs

- typedef struct mrib6_msg_ **mrib6_msg**

Functions

- int **smi_parse_mrib6** (u_char ∗∗pnt, u_int16_t ∗size, struct smi_msg_header ∗header, void ∗arg, SMI_CALLBACK callback)
- int **smi_encode_mrib6** (u_char ∗∗pnt, u_int16_t ∗size, mrib6_msg ∗msg)
- int **smi_decode_mrib6** (u_char ∗∗pnt, u_int16_t ∗size, mrib6_msg ∗msg)

4.2.1 Detailed Description

Defines data structures used by MRIB6 SMI APIs.

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