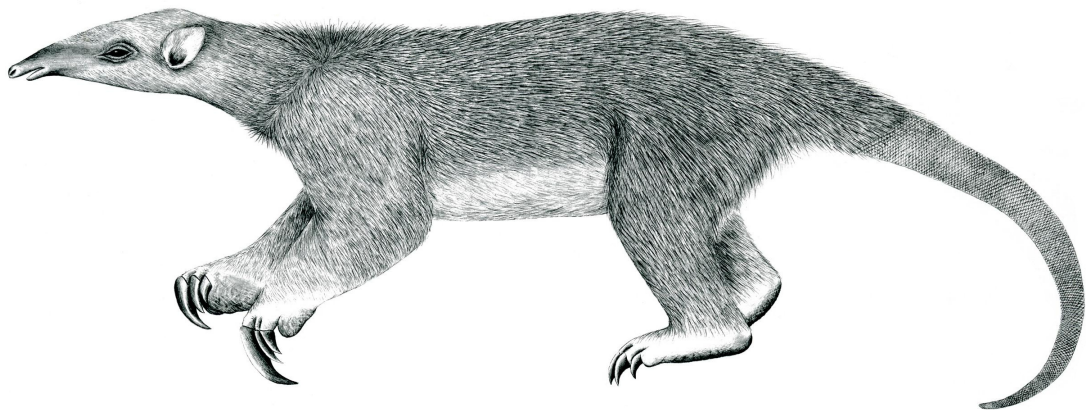

Tranalyzer2

mndpDecode



MikroTik Neighbor Discovery Protocol (MNDP)



Tranalyzer Development Team

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1 mndpDecode

1.1 Description

The mndpDecode plugin analyzes MNDP traffic.

1.2 Configuration Flags

The following flags can be used to control the output of the plugin:

Name	Default	Description	Flags
MNDP_DEBUG	0	Print debug messages	
MNDP_LSTLEN	5	Max number of elements for lists	
MNDP_STRLEN	32	Max length for strings	

1.3 Flow File Output

The mndpDecode plugin outputs the following columns:

Column	Type	Description	Flags
mndpStat	H8	Status	
mndpMAC	R(MAC)	MAC-Address	MNDP_LSTLEN>0
mndpIdentity	R(STR)	Identity	MNDP_LSTLEN>0
mndpVersion	R(STR)	Version	MNDP_LSTLEN>0
mndpPlatform	R(STR)	Platform	MNDP_LSTLEN>0
mndpSoftwareID	R(STR)	Software-ID	MNDP_LSTLEN>0
mndpBoard	R(STR)	Board	MNDP_LSTLEN>0
mndpUnpack	R(U8)	Packet compression type	MNDP_LSTLEN>0
mndpIface	R(STR)	Interface name	MNDP_LSTLEN>0
mndpIPv4	R(IP4)	IPv4-Address	MNDP_LSTLEN>0
mndpIPv6	R(IP6)	IPv6-Address	MNDP_LSTLEN>0

1.3.1 mndpStat

The mndpStat column is to be interpreted as follows:

mndpStat	Description
0x01	Flow is MNDP
0x02	IPv4 address
0x04	IPv6 address
0x08	Unknown TLV type
0x10	Invalid TLV length, e.g., length of MAC address > 6
0x20	List was truncated... increase MNDP_LSTLEN
0x40	String was truncated... increase MNDP_STRLEN

mndpStat	Description
0x80	Packet was snapped

1.4 Packet File Output

In packet mode (-s option), the mndpDecode plugin outputs the following columns:

Column	Type	Description	Flags
mndpStat	H8	Status	
mndpSeqNo	U16	Sequence Number	
mndpMAC	STR	MAC-Address	
mndpIdentity	STR	Identity	
mndpVersion	STR	Version	
mndpPlatform	STR	Platform	
mndpUptime	U32	Uptime (seconds)	
mndpSoftwareID	STR	Software-ID	
mndpBoard	STR	Board	
mndpUnpack	U8	Packet compression type	
mndpIface	STR	Interface name	
mndpIPv4	IP4	IPv4-Address	
mndpIPv6	IP6	IPv6-Address	

1.5 Plugin Report Output

The following information is reported:

- Aggregated mndpStat
- Number of MNDP packets