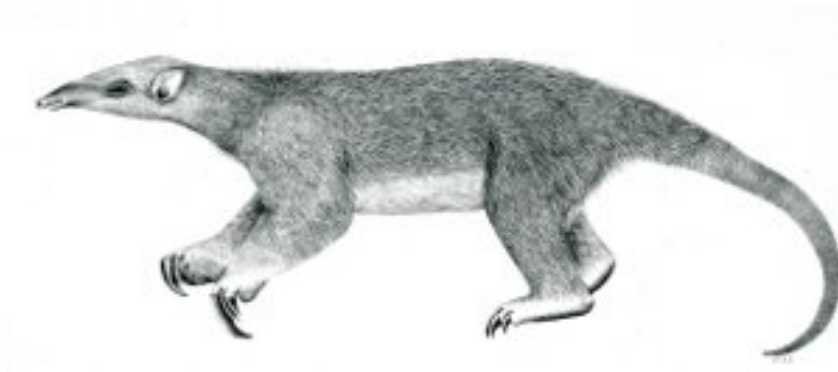

Tranalyzer2

lldpDecode



Link Layer Discovery Protocol (LLDP)



Tranalyzer Development Team

Contents

1	lldpDecode	1
1.1	Description	1
1.2	Configuration Flags	1
1.3	Flow File Output	1
1.4	Plugin Report Output	2

1 lldpDecode

1.1 Description

The lldpDecode plugin analyzes LLDP traffic.

1.2 Configuration Flags

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

Name	Default	Description
LLDP_TTL_AGGR	1	Whether (1) or not (0) to aggregate TTL values
LLDP_NUM_TTL	8	Number of different TTL values to store
LLDP_OPT_TLV	1	Whether or not to output optional TLVs info
LLDP_STRLEN	512	Maximum length of strings to store

1.3 Flow File Output

The lldpDecode plugin outputs the following columns:

Column	Type	Description	Flags
lldpStat	H16	Status	
lldpChassis	SC	Chassis ID	
lldpPort	S	Port ID	
lldpTTL	RU16	Time To Live (sec)	
lldpPortDesc	S	Port description	LLDP_OPT_TLV=1
lldpSysName	S	System name	LLDP_OPT_TLV=1
lldpSysDesc	S	System description	LLDP_OPT_TLV=1
lldpCaps_Enabled	H16_H16	Supported and enabled capabilities	LLDP_OPT_TLV=1
lldpMngmtAddr	SC	Management address	LLDP_OPT_TLV=1

1.3.1 lldpStat

The lldpStat column is to be interpreted as follows:

lldpStat	Description
0x0001	Flow is LLDP
0x0002	Mandatory TLV missing
0x0004	Optional TLVs present
0x0008	Reserved TLV type used
0x0010	Organization specific TLV used
0x0020	Unhandled TLV used
0x2000	String truncated...increase LLDP_STRLEN
0x4000	Too many TTL...increase LLDP_NUM_TTL
0x8000	Snapped payload

1.3.2 lldpCaps

The `lldpCaps_Enabled` column is to be interpreted as follows:

lldpCaps	Description
0x0001	Other
0x0002	Repeater
0x0004	Bridge
0x0008	WLAN access point
0x0010	Router
0x0020	Telephone
0x0040	DOCSIS cable device
0x0080	Station only
0x0100-0x8000	Reserved

1.4 Plugin Report Output

The following information is reported:

- Number of LLDP packets