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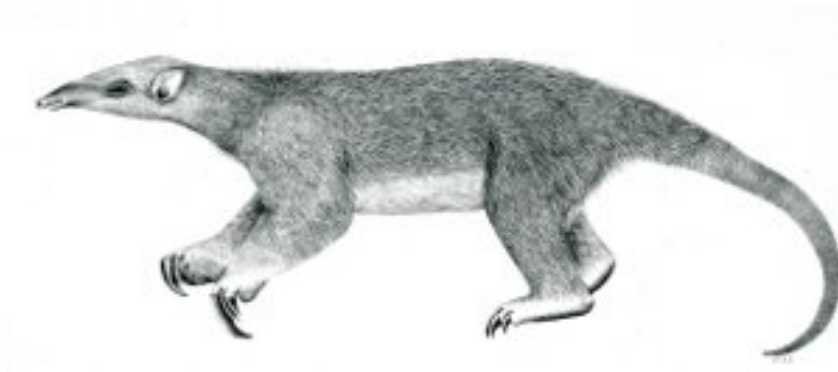
# Tranalyzer2

**cdpDecode**



Cisco Discovery Protocol (CDP)

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Tranalyzer Development Team

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## 1 cdpDecode

### 1.1 Description

The cdpDecode plugin analyzes CDP traffic.

### 1.2 Configuration Flags

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

Name	Default	Description
CDP_STRLLEN	512	Maximum length of strings to store

### 1.3 Flow File Output

The cdpDecode plugin outputs the following columns:

Column	Type	Description
<a href="#">cdpStat</a>	H8	Status
<a href="#">cdpVersion</a>	U8	Version
<a href="#">cdpTTL</a>	U8	Time To Live (sec)
<a href="#">cdpTLVTypes</a>	H32	Aggregated TLV types
<a href="#">cdpDevice</a>	SC	Device ID
<a href="#">cdpPlatform</a>	S	Platform
<a href="#">cdpPort</a>	SC	Port ID
<a href="#">cdpCaps</a>	H32	Capabilities
<a href="#">cdpDuplex</a>	H8	Duplex
<a href="#">cdpNVLAN</a>	U16	Native VLAN
<a href="#">cdpVTPMngmtDomain</a>	SC	VTP management domain

#### 1.3.1 cdpStat

The cdpStat column is to be interpreted as follows:

cdpStat	Description
0x01	Flow is CDP
0x80	Snapped payload

### 1.3.2 cdpTLVTypes

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

<b>cdpTLVTypes</b>	<b>Description</b>	<b>cdpTLVTypes</b>	<b>Description</b>
2 <sup>0</sup> (=0x0000 0001)	—	2 <sup>16</sup> (=0x0001 0000)	Power Consumption
2 <sup>1</sup> (=0x0000 0002)	Device ID	2 <sup>13</sup> (=0x0002 0000)	—
2 <sup>2</sup> (=0x0000 0004)	Addresses	2 <sup>18</sup> (=0x0004 0000)	Trust Bitmap
2 <sup>3</sup> (=0x0000 0008)	Port ID	2 <sup>19</sup> (=0x0008 0000)	Untrusted Port CoS
2 <sup>4</sup> (=0x0000 0010)	Capabilities	2 <sup>20</sup> (=0x0010 0000)	—
2 <sup>5</sup> (=0x0000 0020)	Software Version	2 <sup>21</sup> (=0x0020 0000)	—
2 <sup>6</sup> (=0x0000 0040)	Platform	2 <sup>22</sup> (=0x0040 0000)	Management Address
2 <sup>7</sup> (=0x0000 0080)	IP Prefixes	2 <sup>23</sup> (=0x0080 0000)	—
2 <sup>8</sup> (=0x0000 0100)	Protocol Hello	2 <sup>24</sup> (=0x0100 0000)	—
2 <sup>9</sup> (=0x0000 0200)	VTP Management Domain	2 <sup>25</sup> (=0x0200 0000)	Power Requested
2 <sup>10</sup> (=0x0000 0400)	Native VLAN	2 <sup>26</sup> (=0x0400 0000)	Power Available
2 <sup>11</sup> (=0x0000 0800)	Duplex	2 <sup>27</sup> (=0x0800 0000)	—
2 <sup>12</sup> (=0x0000 1000)	—	2 <sup>28</sup> (=0x1000 0000)	—
2 <sup>13</sup> (=0x0000 2000)	—	2 <sup>29</sup> (=0x2000 0000)	—
2 <sup>14</sup> (=0x0000 4000)	—	2 <sup>30</sup> (=0x4000 0000)	—
2 <sup>15</sup> (=0x0000 8000)	VoIP VLAN Query	2 <sup>31</sup> (=0x8000 0000)	Any type ≥ 31

### 1.3.3 cdpCaps

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

<b>cdpCaps</b>	<b>Description</b>
0x0000 0001	Router
0x0000 0002	Transparent Bridge
0x0000 0004	Source Route Bridge
0x0000 0008	Switch
0x0000 0010	Host
0x0000 0020	IGMP capable
0x0000 0040	Repeater
0x00000100–0x80000000	Reserved

### 1.3.4 cdpDuplex

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

<b>cdpDuplex</b>	<b>Description</b>
0x0001	Half
0x0002	Full

## **1.4 Plugin Report Output**

The following information is reported:

- Number of CDP packets