

The Table Analyzer Instructions

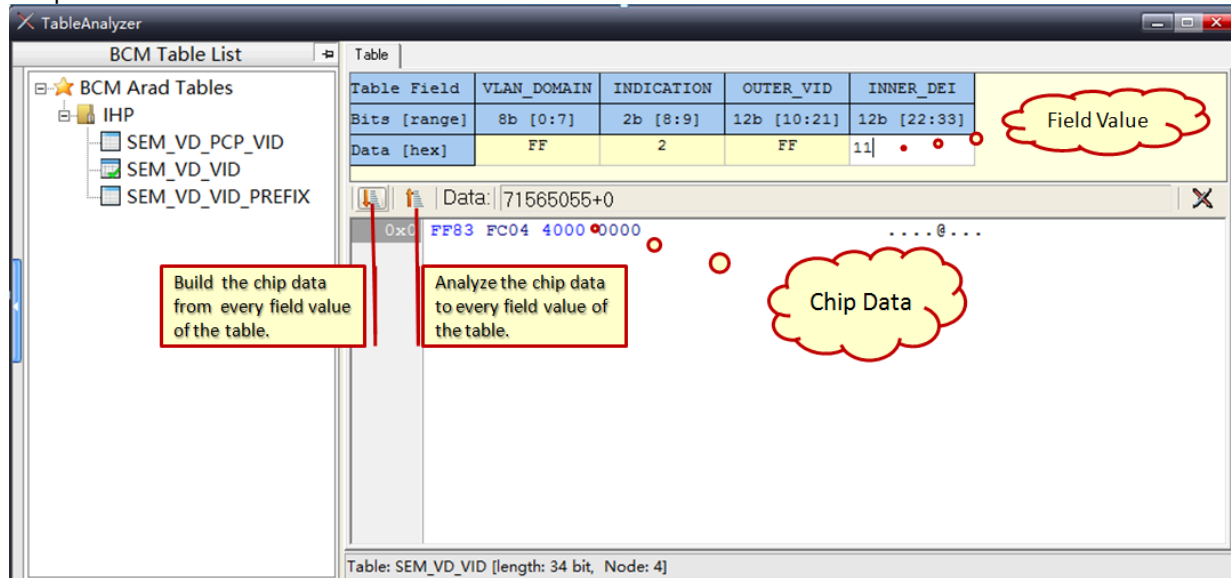
Table Analyzer has two main functions.

One is to analyze the chip data to every field value of the table.

The other is to generate the chip data from every field value of the table.

Table Analyzer makes it easily to configure and understand chip table data.

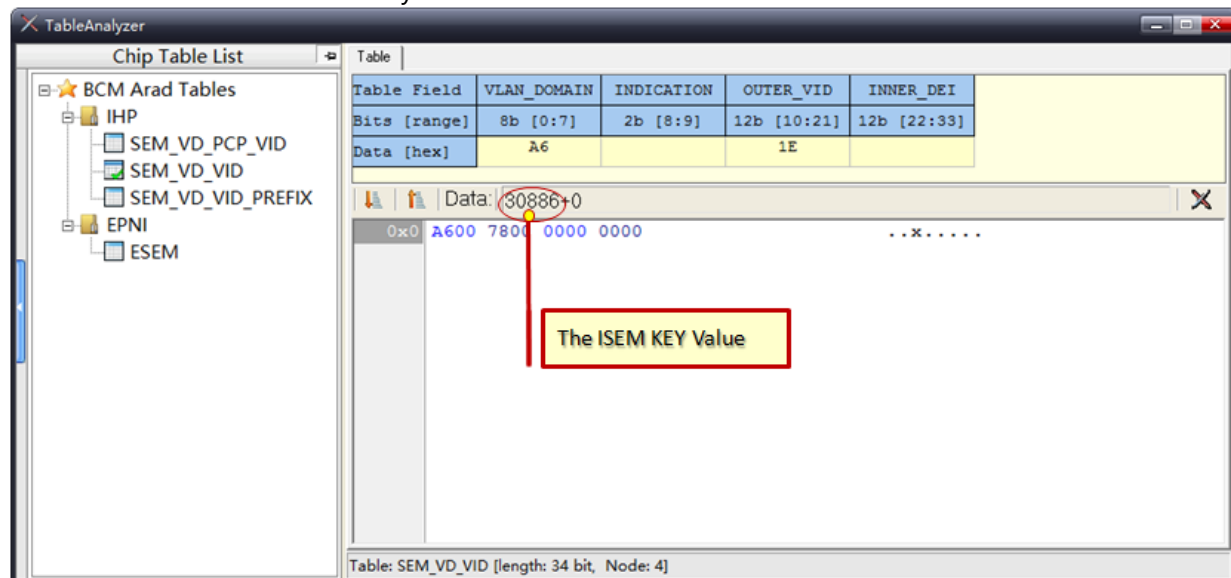
1. Operation instructions:



For example: According to ucPort ID and the packet vlan, build the ISEM Key for lookup inLif.

a. select the SEM_VD_VID table, input "ucport: 166" and vlan "30", press the buid data button.

b. the first data "30886" is the ISEM key.



2. Add a new chip table:

Step 1: create a table file named "newtablename.tat" under the directory "tables" that is a sub-directory of the tool installed directory;

The table format is the xml format defined as the below graphic illustrated.

The screenshot shows the XML file SEM_VD_VID_Prefix_Table.tat. The XML content is as follows:

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <table name="SEM_VD_VID">
3   <field name="VLAN_DOMAIN" width="8" unit="1">related ucport</field>
4   <field name="INDICATION" width="2" >Indication</field>
5   <field name="OUTER_VID" width="12" >88a8/8810</field>
6   <field name="INNER_DEI" width="12" >8810</field>
7   <field name="Prefix" width="7" >select table branch</field>
8 </table>
```

Annotations in the image include:

- The Table Name**: Points to the `name="SEM_VD_VID"` attribute in the `<table>` tag.
- The Field description**: Points to the text content of a field, such as `>related ucport</field>`.
- The Field length**: Points to the `width` attribute of a field.
- The Field Name**: Points to the `name` attribute of a field.
- Fields order by ascending**: A green arrow pointing downwards, indicating the order of fields in the table.

Step 2: Edit the File "BCMAradTables.tap" to add the new table like this:

The screenshot shows the XML file BCMAradTables.tap. The XML content is as follows:

```
1 <?xml version="1.0" encoding="gb2312"?>
2 <Project name="BCM Arad Tables">
3   <Module name="IHP">
4     <Item name="SEM_VD_PCP_VID">SEM_VD_PCP_VID_Table.tat</Item>
5     <Item name="SEM_VD_VID">SEM_VD_VID_Table.tat</Item>
6     <Item name="SEM_VD_VID_PREFIX">SEM_VD_VID_Prefix_Table.tat</Item>
7     <Item name="New Table Name">NewTableName.tat</Item>
8   </Module>
9   <Module name="EPNI">
10    <Item name="ESEM">ESEM_VD_VID_Table.tat</Item>
11  </Module>
12 </Project>
```

Annotations in the image include:

- Add the Item for new table**: Points to the `<Item>` tag for the new table.
- The table name**: Points to the `name` attribute of the `<Item>` tag.
- The table file name**: Points to the text content of the `<Item>` tag.

Reopen Table Analyzer, the new table can work.