

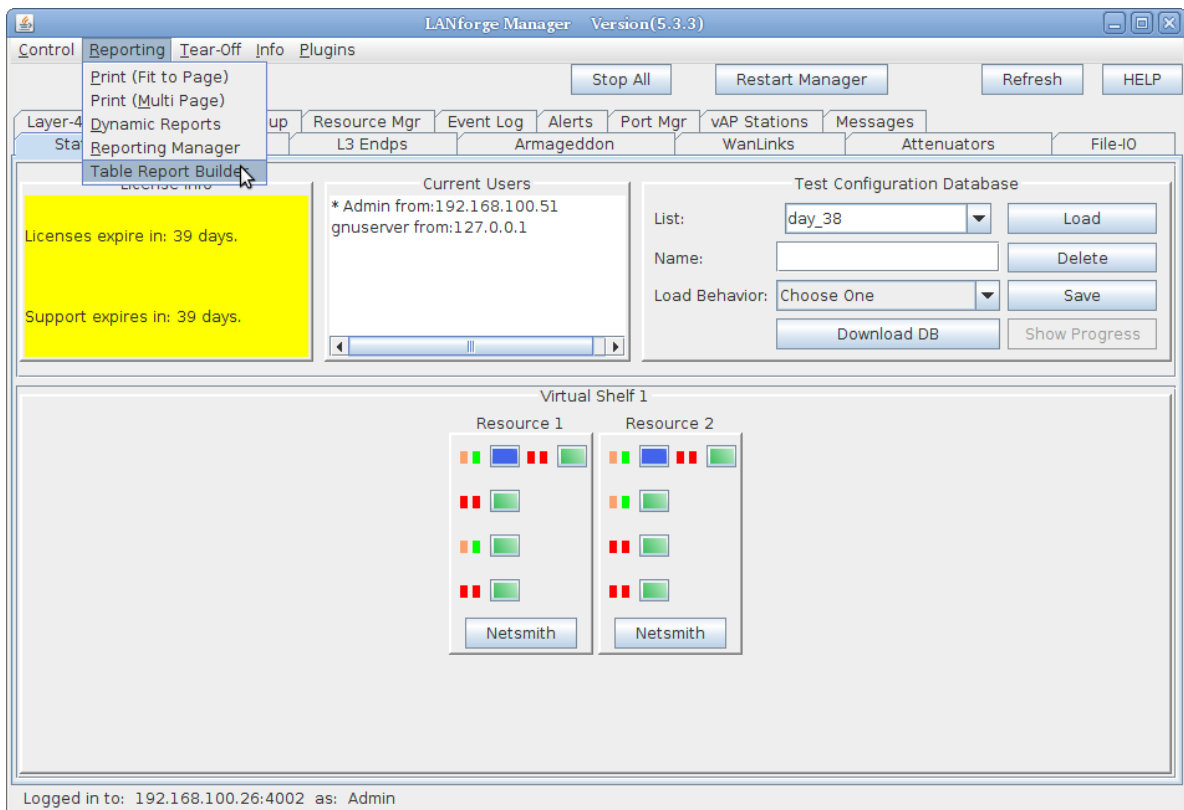
## Generating Table-based Reports

**Goal:** Learn how to generate reports that present the data found in the table views of the LANforge GUI.

We will use the **Reporting→Table Report Generator** tool to select rows and columns present from the LANforge GUI to create an HTML report. The individual rows and columns from the Ports, Layer-3 and L3-Endpoints windows can be selected. Feature appears in release 5.3.3.

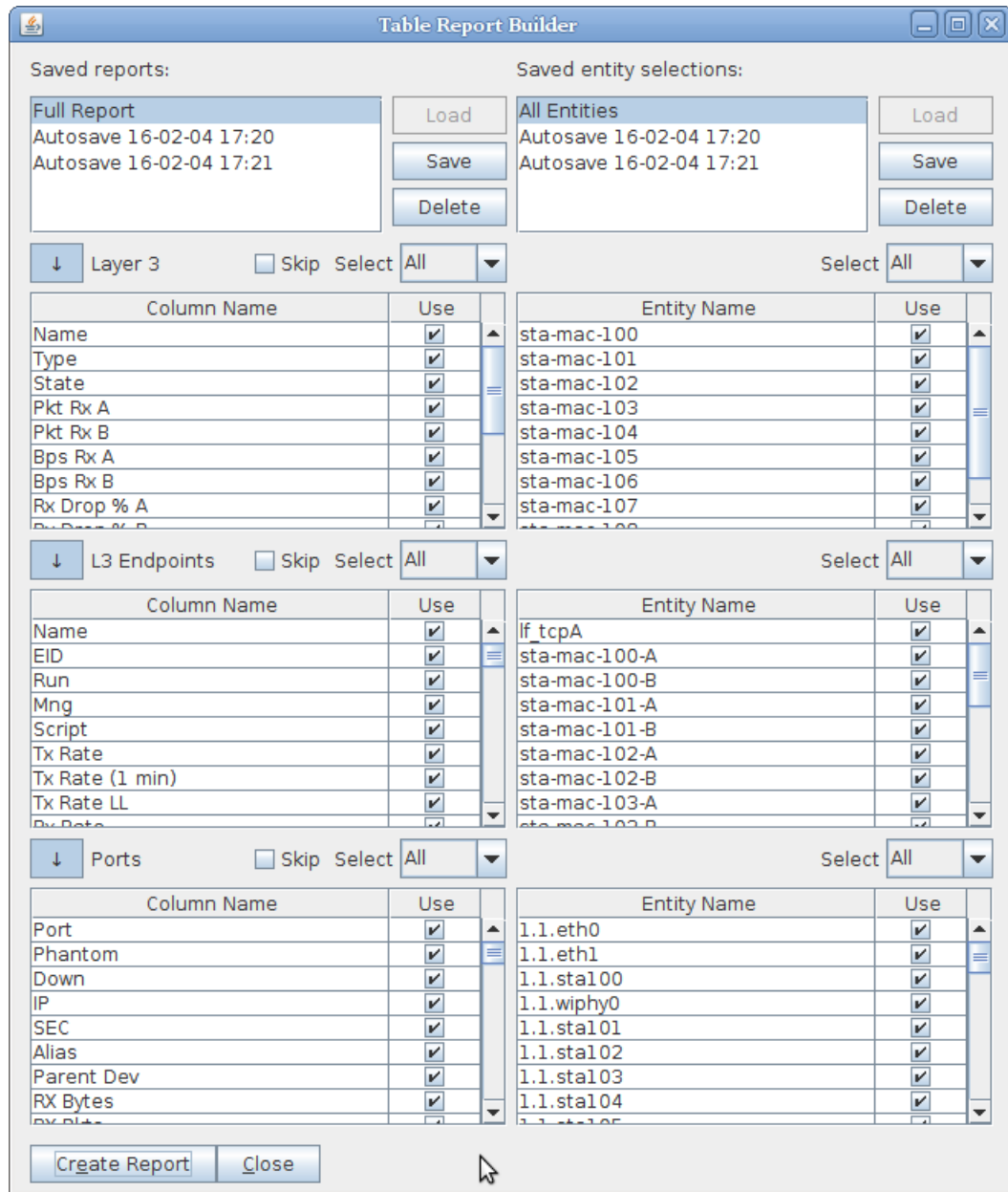
### 1. Beginning a New Report

A. We start in the **Reports** menu, and choose the **Table Report Generator**



Logged in to: 192.168.100.26:4002 as: Admin

- B. The report generator window appears. At the top are lists of previous saved settings. Below those are the selection tables for Layer 3, L3-Endpoints and Ports. The check-box indicates if the item will be included in the report.



2. Understanding the two columns in the Table Report Builder.

A. Report Profiles are on the left. This represents your selection of Layer-3, L3-Endpoint and/or Port table columns to include in your report. These preferences are saved independently of the entity choices.

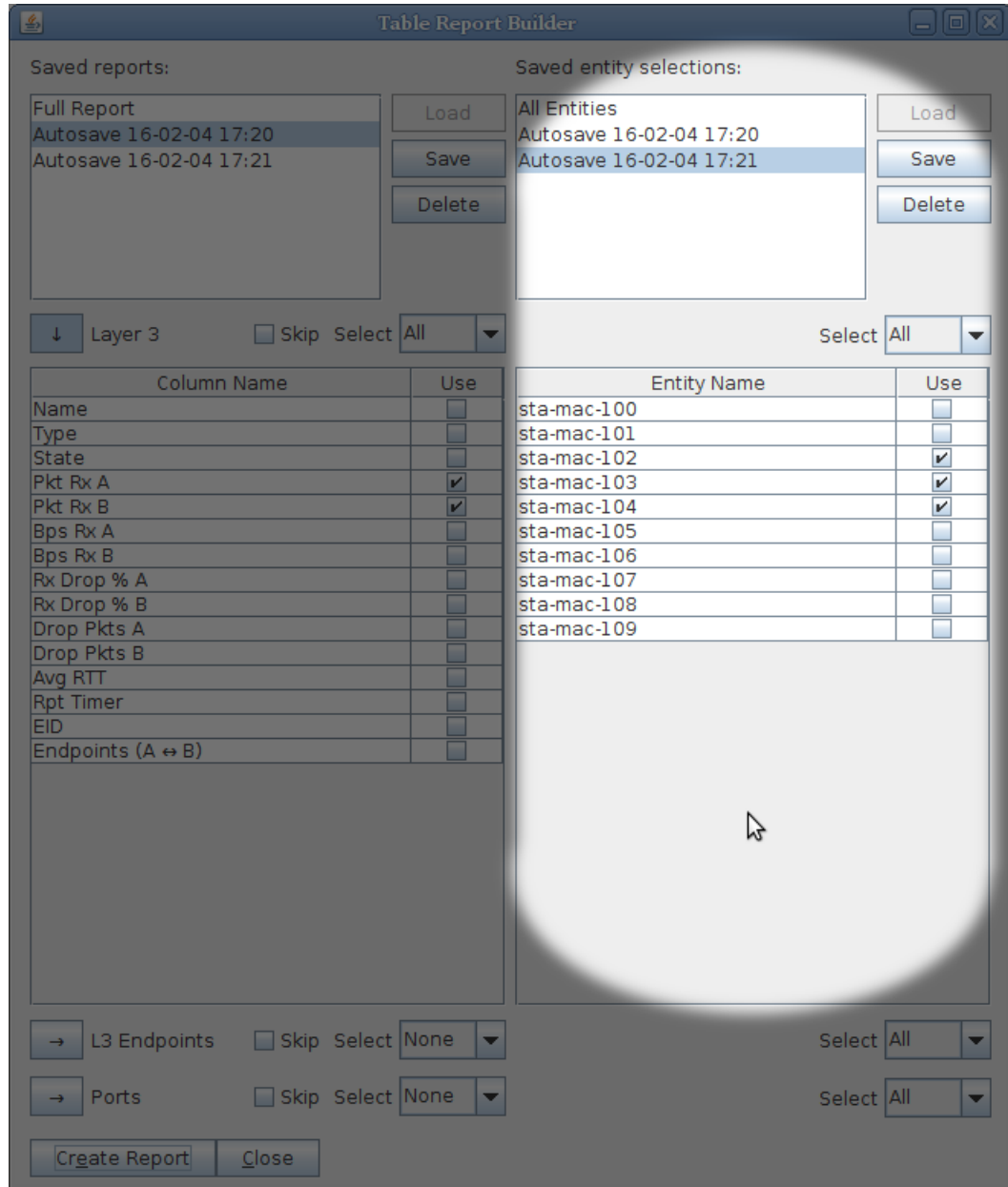
The screenshot shows the 'Table Report Builder' window with the following sections:

- Saved reports:** A list containing 'Full Report', 'Autosave 16-02-04 17:20', and 'Autosave 16-02-04 17:21'. Buttons for 'Load', 'Save', and 'Delete' are present.
- Saved entity selections:** A list containing 'All Entities', 'Autosave 16-02-04 17:20', and 'Autosave 16-02-04 17:21'. Buttons for 'Load', 'Save', and 'Delete' are present.
- Layer 3 Section:** A dropdown menu set to 'Layer 3', a 'Skip' checkbox, and a 'Select All' dropdown.
- Column Selection Table:**

Column Name	Use
Name	<input checked="" type="checkbox"/>
Type	<input checked="" type="checkbox"/>
State	<input checked="" type="checkbox"/>
Pkt Rx A	<input checked="" type="checkbox"/>
Pkt Rx B	<input checked="" type="checkbox"/>
Bps Rx A	<input checked="" type="checkbox"/>
Bps Rx B	<input checked="" type="checkbox"/>
Rx Drop % A	<input checked="" type="checkbox"/>
Rx Drop % B	<input checked="" type="checkbox"/>
Drop Pkts A	<input checked="" type="checkbox"/>
Drop Pkts B	<input checked="" type="checkbox"/>
Avg RTT	<input checked="" type="checkbox"/>
Rpt Timer	<input checked="" type="checkbox"/>
EID	<input checked="" type="checkbox"/>
Endpoints (A ↔ B)	<input checked="" type="checkbox"/>
- Entity Selection Table:**

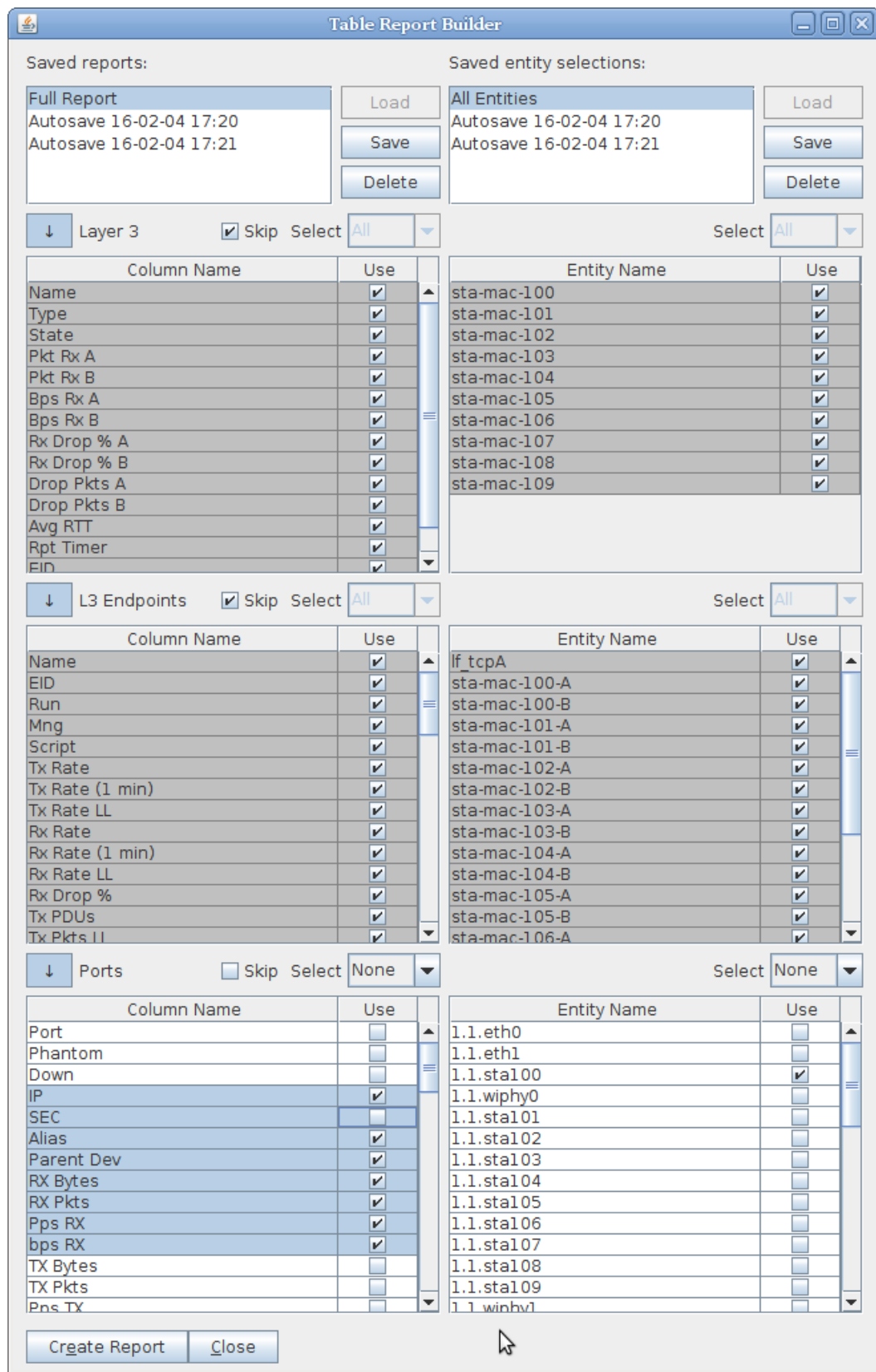
Entity Name	Use
sta-mac-100	<input checked="" type="checkbox"/>
sta-mac-101	<input checked="" type="checkbox"/>
sta-mac-102	<input checked="" type="checkbox"/>
sta-mac-103	<input checked="" type="checkbox"/>
sta-mac-104	<input checked="" type="checkbox"/>
sta-mac-105	<input checked="" type="checkbox"/>
sta-mac-106	<input checked="" type="checkbox"/>
sta-mac-107	<input checked="" type="checkbox"/>
sta-mac-108	<input checked="" type="checkbox"/>
sta-mac-109	<input checked="" type="checkbox"/>
- L3 Endpoints Section:** A dropdown menu set to 'L3 Endpoints', a 'Skip' checkbox, and a 'Select All' dropdown.
- Ports Section:** A dropdown menu set to 'Ports', a 'Skip' checkbox, and a 'Select All' dropdown.
- Buttons:** 'Create Report' and 'Close' buttons at the bottom.

- B. Entity Selections are on the right. This consists of a Layer-3 connections, L3-Endpoints and/or Ports to report on. These preferences are also saved independently from the profiles.



### 3. Selecting items to include

- A. The Skip button will omit a whole table from the report. Checking and un-checking the skip button will not alter your row selection check boxes.



B. The **Select** drop downs for each table are a short cut for selecting all or unselecting all items in a row.

C. The [SPACE] and [ENTER] keys are shortcuts for selecting and unselecting checkboxes. These keys will toggle highlighted groups of rows as well.

#### 4. Saving and Loading a Report Profile

A. The **Save** button allows you to save your table row selections. Name your saved profile.

The screenshot shows a report configuration interface with three main sections and an 'Input' dialog box.

**Layer 3 Section:**

- Layer: Layer 3
- Skip:  Skip
- Select: All
- Select: All

Column Name	Use	Entity Name	Use
Name	<input checked="" type="checkbox"/>	sta-mac-100	<input checked="" type="checkbox"/>
Type	<input checked="" type="checkbox"/>	sta-mac-101	<input checked="" type="checkbox"/>
State	<input checked="" type="checkbox"/>	sta-mac-102	<input checked="" type="checkbox"/>
Pkt Rx A	<input checked="" type="checkbox"/>	sta-mac-103	<input checked="" type="checkbox"/>
Pkt Rx B	<input checked="" type="checkbox"/>	sta-mac-104	<input checked="" type="checkbox"/>
Bps Rx A	<input checked="" type="checkbox"/>	sta-mac-105	<input checked="" type="checkbox"/>
Bps Rx B	<input checked="" type="checkbox"/>	sta-mac-106	<input checked="" type="checkbox"/>
Rx Drop % A	<input checked="" type="checkbox"/>	sta-mac-107	<input checked="" type="checkbox"/>
Rx Drop % B	<input checked="" type="checkbox"/>	sta-mac-108	<input checked="" type="checkbox"/>
Drop Pkts A	<input checked="" type="checkbox"/>	sta-mac-109	<input checked="" type="checkbox"/>
Drop Pkts B	<input checked="" type="checkbox"/>		
Avg RTT	<input checked="" type="checkbox"/>		
Rpt Timer	<input checked="" type="checkbox"/>		
Err	<input checked="" type="checkbox"/>		

**L3 Endpoints Section:**

- Layer: L3 Endpoints
- Skip:  Skip
- Select: None
- Select: All

Column Name	Use	Entity Name	Use
TX Rate LL	<input type="checkbox"/>	sta-mac-100-A	<input checked="" type="checkbox"/>
Rx Rate	<input checked="" type="checkbox"/>	sta-mac-100-B	<input checked="" type="checkbox"/>
Rx Rate (1 min)	<input type="checkbox"/>	sta-mac-101-A	<input type="checkbox"/>
Rx Rate LL	<input type="checkbox"/>	sta-mac-101-B	<input type="checkbox"/>
Rx Drop %	<input type="checkbox"/>	sta-mac-102-A	<input type="checkbox"/>
Tx PDUs	<input type="checkbox"/>	sta-mac-102-B	<input type="checkbox"/>
Tx Pkts LL	<input type="checkbox"/>	sta-mac-103-A	<input type="checkbox"/>
PDU/s TX	<input checked="" type="checkbox"/>	sta-mac-103-B	<input type="checkbox"/>
Pps TX LL	<input checked="" type="checkbox"/>	sta-mac-104-A	<input type="checkbox"/>
Rx PDUs	<input type="checkbox"/>	sta-mac-104-B	<input type="checkbox"/>
Rx Pkts LL	<input type="checkbox"/>	sta-mac-105-A	<input type="checkbox"/>
PDU/s RX	<input type="checkbox"/>	sta-mac-105-B	<input type="checkbox"/>
Pps RX LL	<input type="checkbox"/>	sta-mac-106-A	<input type="checkbox"/>
Delay	<input type="checkbox"/>		

**Ports Section:**

- Layer: Ports
- Skip:  Skip
- Select: All
- Select: All

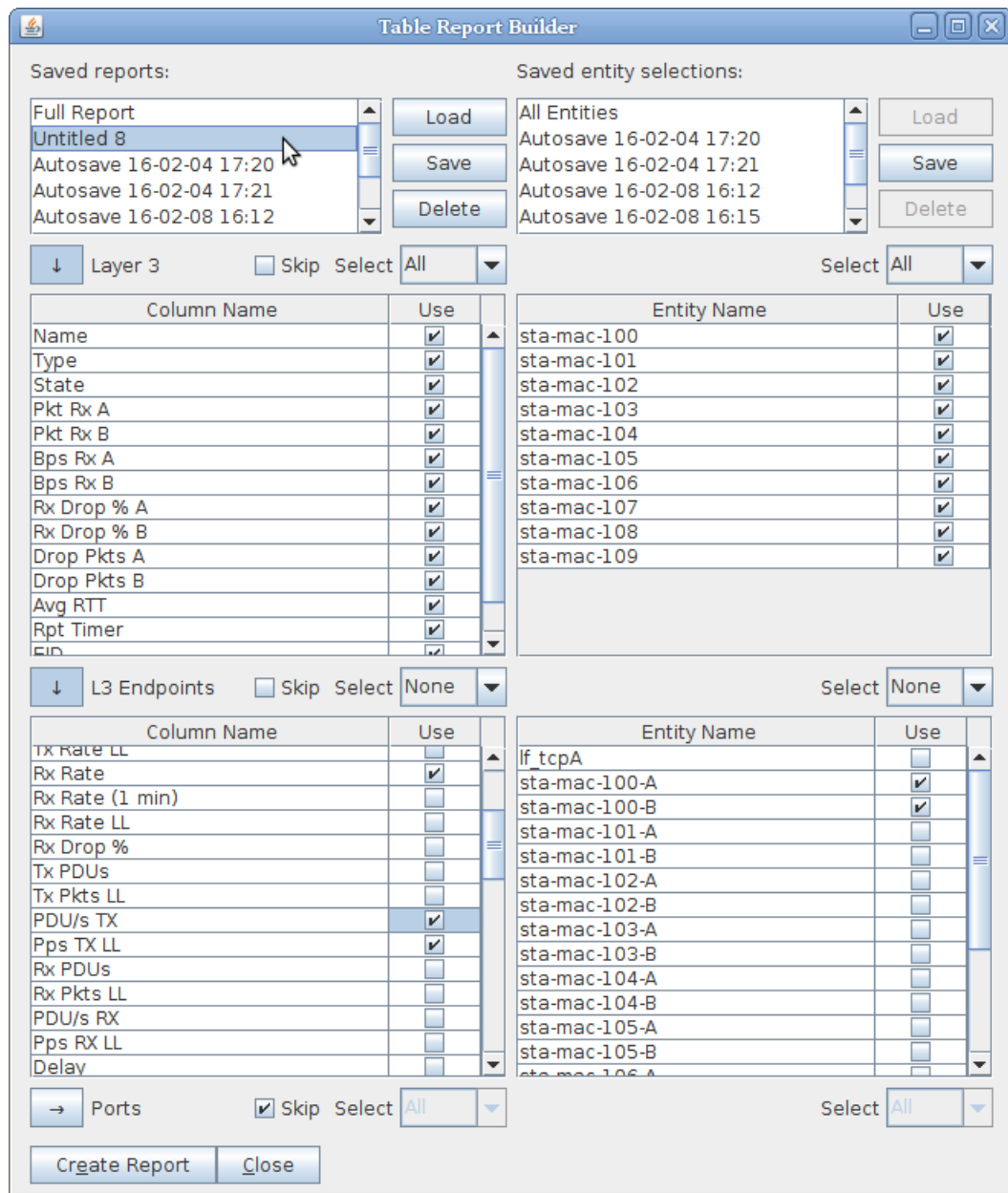
**Input Dialog Box:**

Report Profile Name: Untitled 8

Buttons: OK, Cancel

Buttons: Create Report, Close

B. You can restore previous reports profiles. Select a profile name and then click **Load**.



5. Generating the report is simple, click the **Create Report** button. Your report will be remembered with an *Autosave* record.

**Table Report Builder**

Saved reports:  
 Full Report  
 Autosave 16-02-04 17:20  
 Autosave 16-02-04 17:21  
 Autosave 16-02-08 16:12  
 Autosave 16-02-08 16:15  
 Autosave 16-02-08 16:16

Saved entity selections:  
 All Entities  
 Autosave 16-02-04 17:20  
 Autosave 16-02-04 17:21  
 Autosave 16-02-08 16:12  
 Autosave 16-02-08 16:15  
 Autosave 16-02-08 16:16

Layer 3  Skip Select: All  
 L3 Endpoints  Skip Select: All

Column Name	Use	Entity Name	Use
Name	<input checked="" type="checkbox"/>	if tcpA	<input type="checkbox"/>
EID	<input checked="" type="checkbox"/>	sta-mac-100-A	<input checked="" type="checkbox"/>
Run	<input checked="" type="checkbox"/>	sta-mac-100-B	<input checked="" type="checkbox"/>
Mng	<input checked="" type="checkbox"/>	sta-mac-101-A	<input checked="" type="checkbox"/>
Script	<input checked="" type="checkbox"/>	sta-mac-101-B	<input checked="" type="checkbox"/>
Tx Rate	<input checked="" type="checkbox"/>	sta-mac-102-A	<input checked="" type="checkbox"/>
Tx Rate (1 min)	<input checked="" type="checkbox"/>	sta-mac-102-B	<input checked="" type="checkbox"/>
Tx Rate LL	<input checked="" type="checkbox"/>	sta-mac-103-A	<input type="checkbox"/>
Rx Rate	<input checked="" type="checkbox"/>	sta-mac-103-B	<input type="checkbox"/>
Rx Rate (1 min)	<input checked="" type="checkbox"/>	sta-mac-104-A	<input type="checkbox"/>
Rx Rate LL	<input checked="" type="checkbox"/>	sta-mac-104-B	<input type="checkbox"/>
Rx Drop %	<input checked="" type="checkbox"/>	sta-mac-105-A	<input type="checkbox"/>
Tx PDU/s	<input checked="" type="checkbox"/>	sta-mac-105-B	<input type="checkbox"/>
Tx Pkts LL	<input checked="" type="checkbox"/>	sta-mac-106-A	<input type="checkbox"/>
PDU/s TX	<input checked="" type="checkbox"/>	sta-mac-106-B	<input type="checkbox"/>
Pps TX LL	<input checked="" type="checkbox"/>	sta-mac-107-A	<input type="checkbox"/>
Rx PDU/s	<input checked="" type="checkbox"/>	sta-mac-107-B	<input type="checkbox"/>
Rx Pkts LL	<input checked="" type="checkbox"/>	sta-mac-108-A	<input type="checkbox"/>
PDU/s RX	<input checked="" type="checkbox"/>	sta-mac-108-B	<input type="checkbox"/>
Pps RX LL	<input checked="" type="checkbox"/>	sta-mac-109-A	<input type="checkbox"/>
Delay	<input checked="" type="checkbox"/>	sta-mac-109-B	<input type="checkbox"/>
Dropped	<input checked="" type="checkbox"/>		
Jitter	<input checked="" type="checkbox"/>		
Tx Bytes	<input checked="" type="checkbox"/>		
Rx Bytes	<input checked="" type="checkbox"/>		

Ports  Skip Select: All

Crgate Report Close

**Graphical Script Report for: Report Builder**

## Autosave 16-02-08 16:16 Report

16-02-08 16:16

### L3 Endpoints

Name	EID	Run	Mng	Script	Tx Rate	Tx Rate (1 min)	Tx Rate LL	Rx Rate	R
sta-mac-100-A	1.1.21.5	false	true	None	0	0	0	0	0
sta-mac-100-B	1.1.2.6	false	true	None	0	0	0	0	0
sta-mac-101-A	1.1.22.7	false	true	None	0	0	0	0	0
sta-mac-101-B	1.1.4.8	false	true	None	0	0	0	0	0
sta-mac-102-A	1.1.23.9	false	true	None	0	0	0	0	0
sta-mac-102-B	1.1.5.10	false	true	None	0	0	0	0	0

Close Save File

6. Saving the report as a file is easy as well. In the *Graphical Script Report* window, click the **Save File** button.

Candela Technologies, Inc., 2417 Main Street, Suite 201, Ferndale, WA 98248, USA  
 www.candelatech.com | sales@candelatech.com | +1.360.380.1618