

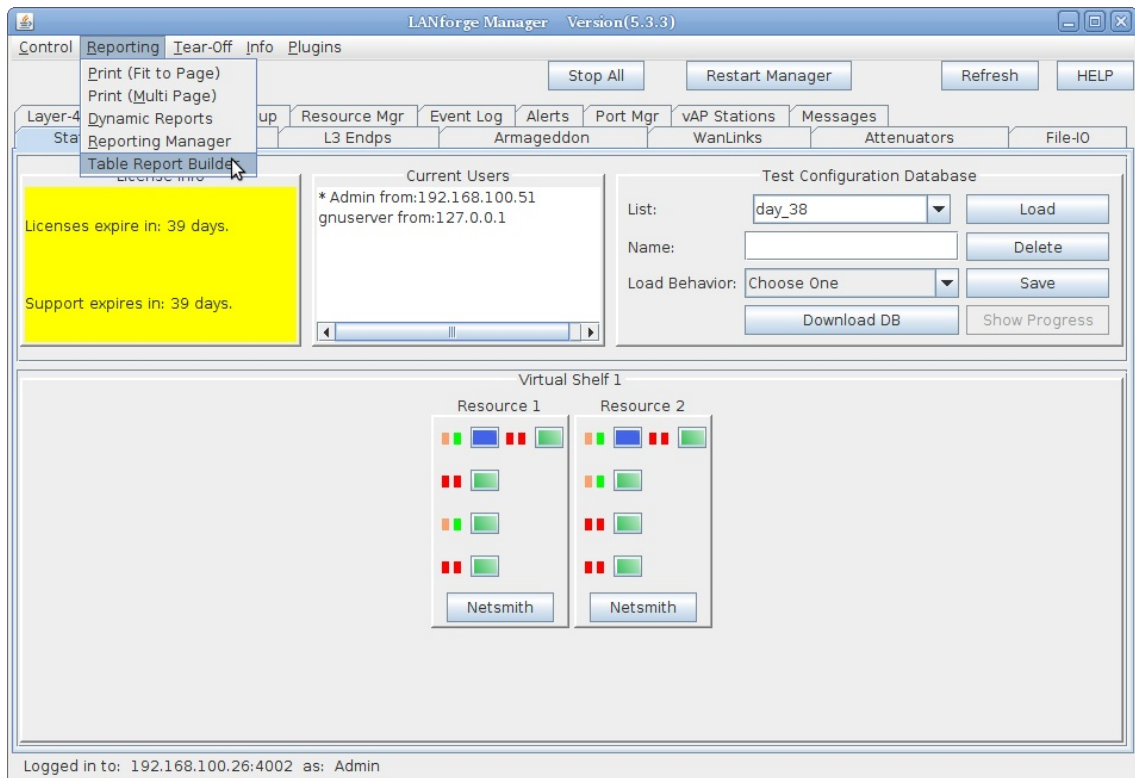
Generating Table-based Reports

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

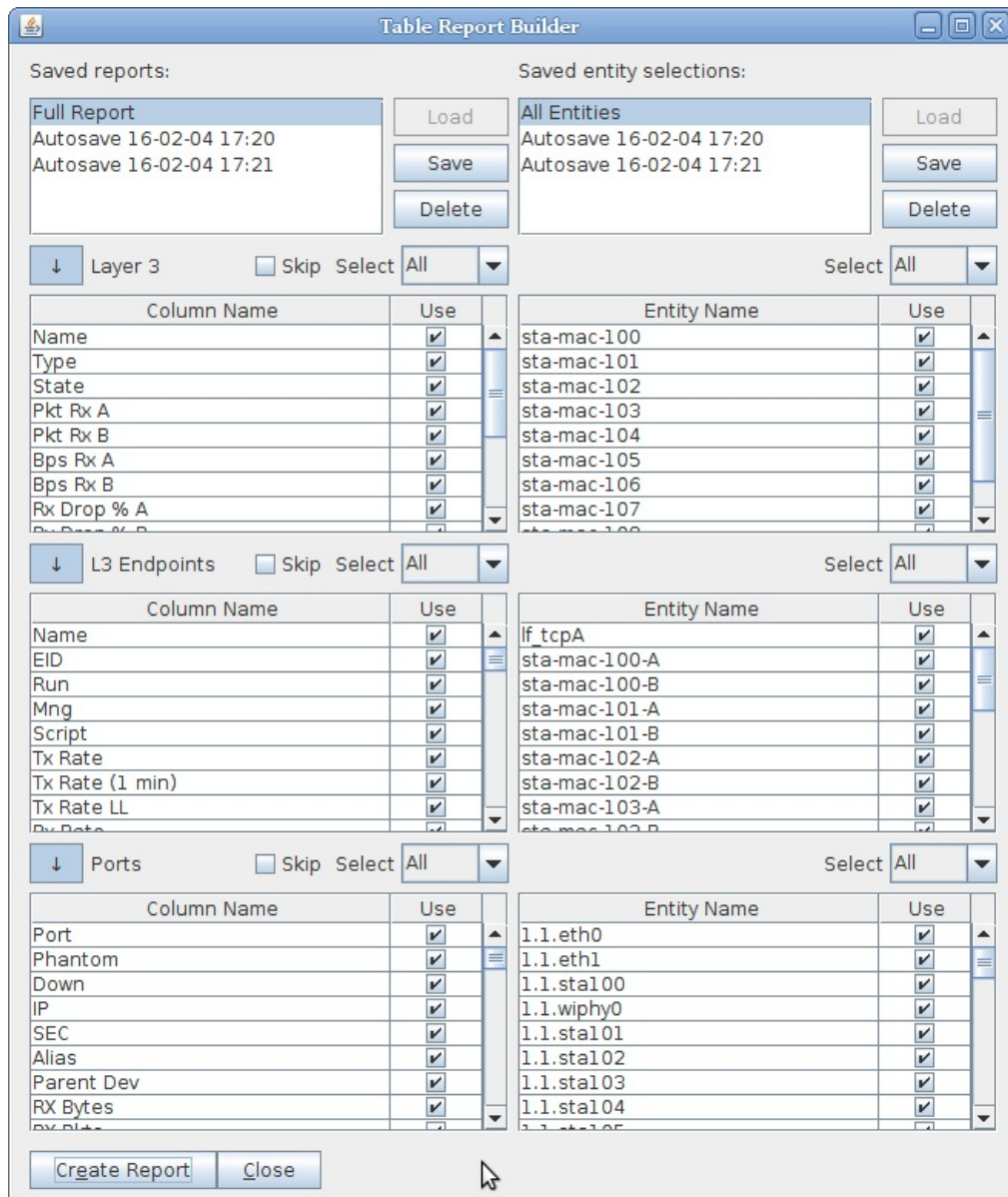
We will use the **Reporting**→**Table Report Generator** tool to select rows and columns present from the LANforge GUI to create an HTML report. The individual rows and columns from the Ports, Layer-3 and L3-Endpoints windows can be selected. Feature appears in release 5.3.3.

1. Beginning a New Report

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



- 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.

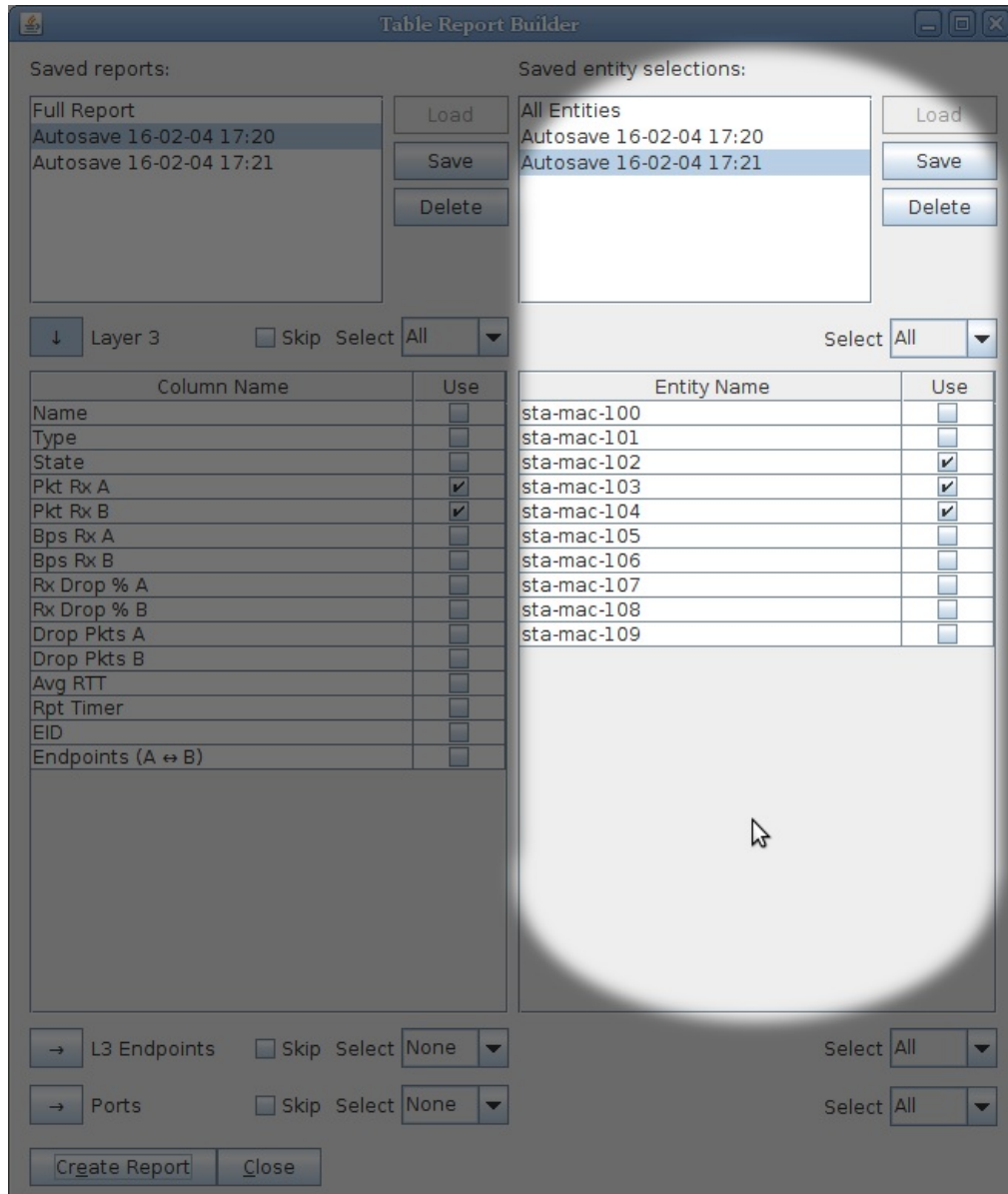
The screenshot shows the 'Table Report Builder' window. It is divided into several sections:

- Saved reports:** A list containing 'Full Report' with two autosave entries from 16-02-04 17:20 and 17:21. Buttons for 'Load', 'Save', and 'Delete' are present.
- Saved entity selections:** A list containing 'All Entities' with two autosave entries from 16-02-04 17:20 and 17:21. Buttons for 'Load', 'Save', and 'Delete' are present.
- Layer 3 configuration:** A dropdown menu set to 'Layer 3', a 'Skip' checkbox, and a 'Select' dropdown menu set to 'All'.
- Column Selection Table:** A table with columns 'Column Name' and 'Use'. All items are checked.
- Entity Selection Table:** A table with columns 'Entity Name' and 'Use'. All items are checked.
- L3 Endpoints configuration:** A dropdown menu set to 'L3 Endpoints', a 'Skip' checkbox, and a 'Select' dropdown menu set to 'All'.
- Ports configuration:** A dropdown menu set to 'Ports', a 'Skip' checkbox, and a 'Select' dropdown menu set to 'All'.
- Buttons:** 'Create Report' and 'Close' buttons at the bottom.

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"/>

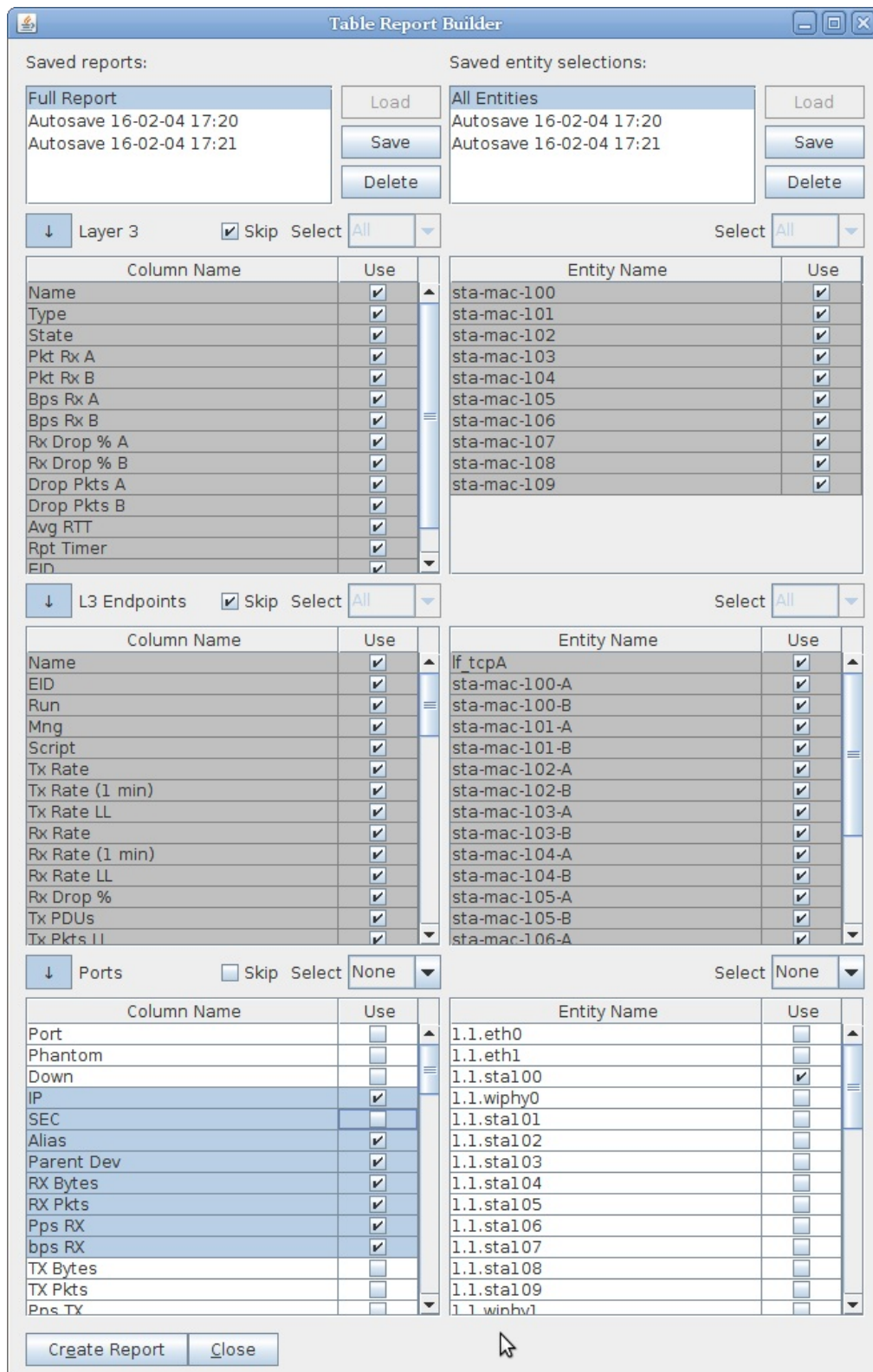
Entity Name	Use
sta-mac-100	<input checked="" type="checkbox"/>
sta-mac-101	<input checked="" type="checkbox"/>
sta-mac-102	<input checked="" type="checkbox"/>
sta-mac-103	<input checked="" type="checkbox"/>
sta-mac-104	<input checked="" type="checkbox"/>
sta-mac-105	<input checked="" type="checkbox"/>
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"/>

- B. Entity Selections are on the right. This consists of a your combination of 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 software interface for configuring a report. It features three main sections for selecting data sources and columns, and a central dialog box for saving the configuration.

Layer 3 Section:

- Dropdown: Layer 3
- Checkbox: Skip
- Select: All
- 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"/>
End	<input checked="" type="checkbox"/>
- Select: All

L3 Endpoints Section:

- Dropdown: L3 Endpoints
- Checkbox: Skip
- Select: None
- Table:

Column Name	Use
TX Rate LL	<input type="checkbox"/>
Rx Rate	<input checked="" type="checkbox"/>
Rx Rate (1 min)	<input type="checkbox"/>
Rx Rate LL	<input type="checkbox"/>
Rx Drop %	<input type="checkbox"/>
Tx PDUs	<input type="checkbox"/>
Tx Pkts LL	<input type="checkbox"/>
PDU/s TX	<input checked="" type="checkbox"/>
Pps TX LL	<input checked="" type="checkbox"/>
Rx PDUs	<input type="checkbox"/>
Rx Pkts LL	<input type="checkbox"/>
PDU/s RX	<input type="checkbox"/>
Pps RX LL	<input type="checkbox"/>
Delay	<input type="checkbox"/>
- Select: All

Entity Name Section:

- 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"/>
- Table:

sta-mac-100-A	<input checked="" type="checkbox"/>
sta-mac-100-B	<input checked="" type="checkbox"/>
sta-mac-101-A	<input type="checkbox"/>
sta-mac-101-B	<input type="checkbox"/>
sta-mac-102-A	<input type="checkbox"/>
sta-mac-102-B	<input type="checkbox"/>
sta-mac-103-A	<input type="checkbox"/>
sta-mac-103-B	<input type="checkbox"/>
sta-mac-104-A	<input type="checkbox"/>
sta-mac-104-B	<input type="checkbox"/>
sta-mac-105-A	<input type="checkbox"/>
sta-mac-105-B	<input type="checkbox"/>
sta-mac-106-A	<input type="checkbox"/>
- Select: All

Ports Section:

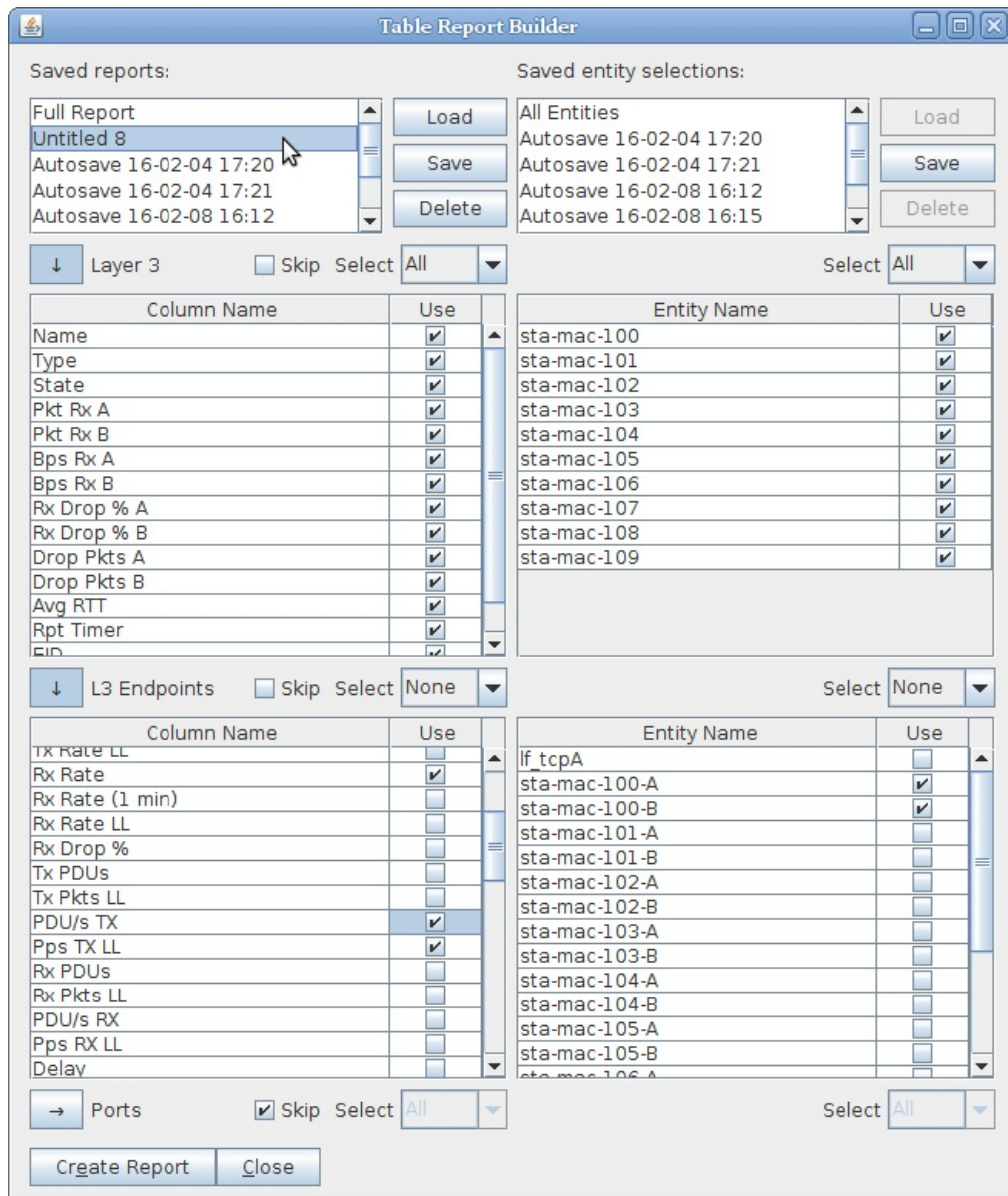
- Dropdown: Ports
- Checkbox: Skip
- Select: All

Input Dialog:

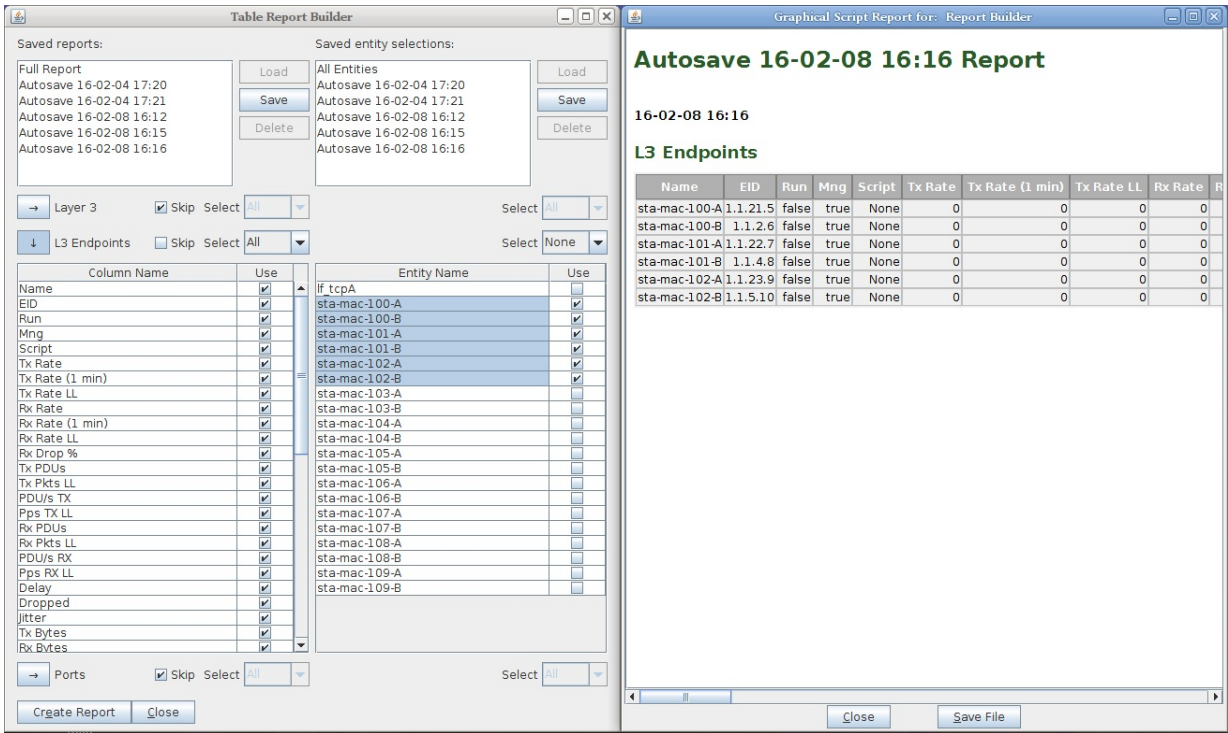
- Title: Input
- Text: Report Profile Name:
- Input field: Untitled 8
- Buttons: OK, Cancel

Bottom 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.



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

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