

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 appeares in release 5.3.3.

- 1. Begining a New Report
 - A. We start in the Reports menu, and choose the Table Report Generator

	LANforge Manager Versio	n(5.3.3)		
<u>Control</u> <u>Reporting</u> <u>Tear-Off</u> Info	Plugins			
Print (Fit to Page)	Stop 4	ll Restar	t Manager 🛛 🛛	Refresh HELP
Print (<u>M</u> ulti Page)				
Layer-4 Dynamic Reports up	Resource Mgr Event Log Alerts Po	rt Mgr vAP Statio	ons Messages	
Stal <u>R</u> eporting Manager	L3 Endps Armageddon	WanLink	s Attenuators	File-IO
Table Report Builde	Current Users		Test Configuration Databas	ie (
	* Admin from:192.168.100.51			
Licenses expire in: 39 days	gnuserver from:127.0.0.1	List:	day_38	Load
		Name:		Delete
Support expires in: 39 days		Load Benavior: C	noose one	Save
			Download DB	Show Progress
	Virtual Shelf	1		
	Resource 1 Bi			
		_		
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	Notemith	lotemith		
		Vecsmich		
Logged in to: 192.168.100.26:400	/2 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.

4	Table Repo	rt Builder		
Saved reports:		Saved entity selections:		
Full Report	Load	All Entities	Load	
Autosave 16-02-04 17:20		Autosave 16-02-04 17:20		
Autosave 16-02-04 17:21	Save	Autosave 16-02-04 17:21	Save	
	Delete		Delet	
	Delete		Delet	
↓ Layer 3 Skip Selec	t All	▼ Selec	t All	-
Column Name	Use	Entity Name	Use	
Name	V	 sta-mac-100 	~	-
Туре	· · ·	sta-mac-101	~	
State	~	sta-mac-102	~	
Pkt Rx A	~	sta-mac-103	V	=
Pkt Rx B	 	sta-mac-104	~	
Bps Rx A	~	sta-mac-105	~	
Bps Rx B	~	sta-mac-106	V	
Rx Drop % A	_	sta-mac-107	~	- -
↓ L3 Endpoints Skip Selec	t All	Select Entity Name	t All	-
Name	USC V	▲ If topA	Use V	
FID	~	sta-mac-100-A		
Bun		sta-mac-100-R		
Mng		sta-mac-101-A		
Script		sta-mac-101-B	V	
Tx Bate		sta-mac-102-A	V	
Tx Rate (1 min)		sta-mac-102-B	V	
Tx Rate LL	V .	sta-mac-103-A	~	
Dy Doto				-
↓ Ports □ Skip Selec	t All	Selec	at All	-
Column Name	Use	Entity Name	Use	
Port	V	 1.1.eth0 	~	-
Phantom	~	1.1.eth1	~	=
Down	V	1.1.sta100	~	
IP	~	1.1.wiphy0	~	
SEC	~	1.1.sta101	~	
Alias	V	1.1.sta102	~	
Parent Dev	~	1.1.sta103	~	
RX Bytes	~	▼ 1.1.stal04	~	
Create Report <u>C</u> lose		}	. (4	

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.

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Saved reports:		Saved entity selections:	
Full Report	Load	All Entities	Load
Autosave 16-02-04 17:20		Autosave 16-02-04 17:20	
Autosave 16-02-04 17:21	Save	Autosave 16-02-04 17:21	Save
	Delete		Delete
	Delete		Delete
Layer 3 Skip Selec		Sele	ect All
Column Name	Use	Entity Name	Use
Name	~	sta-mac-100	
Type	<u> </u>	sta-mac-101	
State		sta-mac-102	
		sta-mac-103	
Bos Ry A		sta-mac-105	
Bps Bx B		sta-mac-106	
Bx Drop % A	V	sta-mac-107	
Rx Drop % B	v	sta-mac-108	
Drop Pkts A	~	sta-mac-109	
Drop Pkts B	~		
Avg RTT	V		
Rpt Timer	~		
EID	V		
Endpoints (A ↔ B)	V		
		N	
		13	
→ L3 Endpoints □ Skip Selec	t All 🔻	Sele	ect All 👻
→ Ports Skip Selec	t All 👻	Sele	ect All
Create Report <u>C</u> lose			

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.

1			
Saved reports:		Saved entity selections:	
Full Report		All Entities	Load
Autosave 16-02-04 17:20		Autosave 16-02-04 17:20	
Autosave 16-02-04 17:21	Save	Autosave 16-02-04 17:21	Save
	Delete		Delete
	Delete		Delete
Laver 3 Skip Selec	ct All	Sel	
Column Name	Use	Entity Name	Use
Name		sta-mac-100	
Type		sta-mac-101	
State		sta-mac-102	
PKL KX A		sta-mac-103	
Ros Ry A		sta-mac-105	
Bos By B		sta-mac-106	
Bx Drop % A		sta-mac-107	
Rx Drop % B		sta-mac-108	
Drop Pkts A		sta-mac-109	
Drop Pkts B			
Avg RTT			
Rpt Timer			
EID			
Endpoints (A ↔ B)			
		N	
		13	
→ L3 Endpoints Skip Select	ct None 💌	Sele	ect All
→ Ports Skip Select	ct None 🔻	Sele	ect All
Create Report Close			

- 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.

🛃 Table Report Builder 🗕 🗖 👌					
Saved reports:			Saved entity selections:		
Full Report	heal		All Entities	heal	
Autosave 16-02-04 17:20	LUau		Autosave 16-02-04 17:20	LUau	
Autosave 16-02-04 17:21	Save		Autosave 16-02-04 17:21	Save	
	Delete			Delete	e
↓ Layer 3 🗹 Skip Selec	t All	-	Sele	ct All	-
Column Name	Use		Entity Name	Use	
Name	V		sta-mac-100		
Type	V		sta-mac-101		
State	~		sta-mac-102		
Pkt Rx A	I		sta-mac-103		
Pkt Rx B			sta-mac-104		
Bps Bx A			sta-mac-105		
Bps Bx B			sta-mac-106		
Bx Drop % A			sta-mac-107		
Bx Drop % B			sta-mac-108		
Drop Pkts A			sta-mac-109		
Drop Pkts B					_
Ava RTT	· ·				
Rot Timer	-				
FID	· ·	•			
↓ L3 Endpoints 🖌 Skip Selec	t All	-	Sele	ct All	-
Column Name	Use		Entity Name	Use	
Name	V		If tcpA	V	
EID	V		sta-mac-100-A	V	
Run	I		sta-mac-100-B	V	
Mna	~		sta-mac-101-A	V	
Script	V		sta-mac-101-B		
Tx Rate	I		sta-mac-102-A		
Tx Rate (1 min)	V	1	sta-mac-102-B	V	
Tx Rate LL	I		sta-mac-103-A	V	
Rx Rate	I		sta-mac-103-B		Ц.
Rx Rate (1 min)	V	1	sta-mac-104-A		
Rx Rate LL	V		sta-mac-104-B	V	
Rx Drop %	V	1	sta-mac-105-A		
Tx PDUs	 		sta-mac-105-B		
Tx Pkts II	V	-	sta-mac-106-A	V	-
↓ Ports □ Skip Selec	t None	-	Sele	ct None	-
Column Name	Use		Entity Name	Use	
Port			1.1.eth0		
Phantom			1.1.eth1		
Down			1.1.sta100	~	
IP	~	н	1.1.wiphv0		
SEC		1	1.1.sta101		
Alias	I	1	1.1.sta102		
Parent Dev			1.1.sta103		
RX Bytes	~		1.1.sta104		
RX Pkts			1.1.sta105		
Pps RX			1.1.sta106		
bps RX			1.1.sta107		
TX Bytes			1.1.sta108		
TX Pkts			1.1.sta109		
Pps TX		-	1 1 wiphyl		-
Cr <u>e</u> ate Report <u>C</u> lose			\$		

- 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.

Column Name	Use		Entity Name		Use
Name	V		sta-mac-100		V
Гуре	~		sta-mac-101		~
State	~		sta-mac-102		V
Pkt Rx A	~		sta-mac-103		~
Pkt Rx B	~		sta-mac-104		~
Bps Rx A	~		sta-mac-105	6	~
3ps Rx B	~		sta-mac-106		V
Rx Drop % A	~		sta-mac-107		~
Rx Drop % B	~		sta-mac-108		V
Drop Pkts A	~		sta-mac-109		V
Drop Pkts B	~				
Avg RTT	~		🖆 Input		×
Rpt Timer	~				
	./	•	Report Profile Name:		
L3 Endpoints Skip Selec	t None Use	-	Untitled 8 OK Cance	:I	
L3 Endpoints Skip Select	t None Use	-	Untitled 8 OK Cance		
L3 Endpoints Skip Select	Use	•	Untitled 8 OK Cance	1	
L3 Endpoints Skip Select Column Name Column Name Column Name Sx Rate Sx Rate (1 min)	Use		Untitled 8 OK Cance sta-mac-100-A	:I	×
L3 Endpoints Skip Select Column Name Rx Rate Rx Rate (1 min) Rx Rate (1	Use		Sta-mac-100-A sta-mac-100-B	1	× ×
L3 Endpoints Skip Select Column Name IX Rate LL Rx Rate Rx Rate (1 min) Rx Rate LL Rx Rate LL Rx Drop %	Use		Sta-mac-100-A sta-mac-100-B sta-mac-101-A		× ×
L3 Endpoints Skip Select Column Name IX Rate L Rx Rate Rx Rate (1 min) Rx Rate LL Rx Drop %	Ct None		Sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B		
L3 Endpoints Skip Select Column Name Xx Rate L Rx Rate Rate (1 min) Rx Rate LL Rx Drop % Fx PDUs Fx Ptus LL	None		Sta-mac-100-A Sta-mac-100-B Sta-mac-101-A Sta-mac-101-B Sta-mac-102-A		
L3 Endpoints Skip Select Column Name Xx Rate L Ax Rate Ax Rate (1 min) Ax Rate LL Ax Drop % Fx PDUs Fx Pkts LL 2010/s TX	None		Sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B sta-mac-102-A sta-mac-102-B		
L3 Endpoints Skip Select Column Name Column Name X Rate LL X Rate (1 min) X Rate LL X Drop % X PDUs X PDUs X Ptts LL PDU/S TX PDU/S TX PDU/S TX PDU/S TX	t None		Untitled 8 OK Cance sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B sta-mac-102-A sta-mac-102-B sta-mac-103-A		
L3 Endpoints Skip Select Column Name Xx Rate LL Xx Rate (1 min) Xx Rate LL Xx Drop % Fx PDUs Fx Pkts LL PDU/S TX Pps TX LL Xx PDUs	Vone Use		Sta-mac-100-A sta-mac-100-B sta-mac-101-B sta-mac-101-B sta-mac-102-A sta-mac-102-A sta-mac-103-A sta-mac-103-B		
L3 Endpoints Skip Select Column Name Xx Rate LL Xx Rate (1 min) Xx Rate LL Xx Drop % Tx PDUs Tx Pkts LL PDU/s TX Pps TX LL Xx PDUs Xx PbUs Xx PbUs Xx PbUs Xx PbUs Xx Pkts LL	Vone Use Image: Constraint of the second		Sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B sta-mac-102-B sta-mac-102-B sta-mac-103-A sta-mac-103-B sta-mac-103-B sta-mac-103-B		
L3 Endpoints Skip Select Column Name Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx PDUS Xx Pkts LL PDU/s TX Pp STX LL Xx PDUS Xx Pkts LL PDUS Xx Pkts LL PDU/S RX	None Use Image: Constraint of the second		Sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B sta-mac-102-B sta-mac-102-B sta-mac-103-A sta-mac-103-A sta-mac-104-B sta-mac-104-B		
L3 Endpoints Skip Select Column Name Column Name Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx Rate Xx PDUS Xx Pkts LL PDU/s TX Pp TX LL Xx PDUS Xx Pkts LL PDU/s RX PDU/S RX PDU/S RX PDU/S RX	None Use		Sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B sta-mac-102-B sta-mac-102-B sta-mac-103-A sta-mac-103-A sta-mac-103-B sta-mac-104-B sta-mac-104-B sta-mac-105-A		
L3 Endpoints Skip Select Column Name Column Name Xx Rate Xx Rate Xx Rate Xx Rate LL Xx Drop % FX PDUS FX PDUS FX PUS FX PLL PDU/S TX Pp TX LL PDU/S RX PDUS RX PKts LL PDU/S RX Pp S RX LL PDU/S RX Po Select	None Use Image: Constraint of the second		Sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B sta-mac-101-B sta-mac-102-B sta-mac-102-B sta-mac-103-A sta-mac-103-A sta-mac-104-A sta-mac-104-B sta-mac-105-B sta-mac-105-B sta-mac-105-B		
L3 Endpoints Skip Select Column Name Xx Rate ELL Ax Rate Ax Rate (1 min) Ax Rate (1 min) Ax Rate LL Ax Drop % fx PDUs fx PDUs fx PbUs fx PbUs Ax PDUs Ax PDUs Ax PDUs Ax PDUs Ax PLUS Ax	None Use		Sta-mac-100-A sta-mac-100-B sta-mac-101-A sta-mac-101-B sta-mac-102-A sta-mac-102-A sta-mac-102-B sta-mac-103-B sta-mac-103-B sta-mac-104-A sta-mac-104-A sta-mac-105-A sta-mac-105-B sta-mac-105-B		
L3 Endpoints Skip Select Column Name Column Name Xx Rate LL Xx Rate (1 min) Xx Rate LL Xx Drop % Xx PDUs Xx PDUs Xx Pkts LL PDU/S TX Pps TX LL Xx PDUS Xx Pkts LL PDU/S RX Pps RX LL PDU/S RX Pps RX LL Delay	None Use - <td></td> <td>Sta-mac-100-A Sta-mac-100-B Sta-mac-101-A Sta-mac-101-B Sta-mac-101-B Sta-mac-102-A Sta-mac-102-B Sta-mac-102-B Sta-mac-103-A Sta-mac-103-B Sta-mac-104-B Sta-mac-104-B Sta-mac-105-B Sta-mac-105-B Sta-mac-105-B</td> <td></td> <td></td>		Sta-mac-100-A Sta-mac-100-B Sta-mac-101-A Sta-mac-101-B Sta-mac-101-B Sta-mac-102-A Sta-mac-102-B Sta-mac-102-B Sta-mac-103-A Sta-mac-103-B Sta-mac-104-B Sta-mac-104-B Sta-mac-105-B Sta-mac-105-B Sta-mac-105-B		

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

<u>s</u>	able Report	Builder	-O×
Saved reports:		Saved entity selections:	
Full Report Image: Constraint of the second secon	Load Save	All Entities Autosave 16-02-04 17:20 Autosave 16-02-04 17:21 Autosave 16-02-08 16:12	Load Save
Autosave 16-02-08 16:12	Delete	Autosave 16-02-08 16:15	- Delete
↓ Layer 3 Skip Select	t All 🔽		Select All
Column Name	Use	Entity Name	Use
Name	 ✓ 	sta-mac-100	
Туре	~	sta-mac-101	V
State	v .	sta-mac-102	V
Pkt Rx A	v	sta-mac-103	V
Pkt Rx B	v	sta-mac-104	V
Bps Rx A		sta-mac-105	
Bps Bx B		sta-mac-106	
Rx Drop % A		sta-mac-107	
Rx Drop % B		sta-mac-108	
Drop Pkts A		sta-mac-109	
Drop Pkts B			
Ava RTT			
Bot Timer			
↓ L3 Endpoints Skip Select	t None 🔻		Select None 💌
Column Name	Use	Entity Name	Use
Py Poto	^	lf_tcpA	^
Py Pate (1 min)		sta-mac-100-A	V
Py Poto II		sta-mac-100-B	V
Py Drop %		sta-mac-101-A	
Ty PDUs		sta-mac-101-B	
Ty Plete II		sta-mac-102-A	
PDI I/c TV		sta-mac-102-B	
Ppc TV II		sta-mac-103-A	
Py PDI Ic		sta-mac-103-B	
Py Plete II		sta-mac-104-A	
PDI//c PV		sta-mac-104-B	
Pos PV II		sta-mac-105-A	
Delay		sta-mac-105-B	
		ata mas 106 A	
→ Ports ✓ Skip Select	t All 🔻		Select All
Cr <u>e</u> ate Report <u>C</u> lose			

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

≜ T	able Rep	ort Builder	_ 🗆 🗙	🙆 Graphical Script Report for: Report Builder 📃 🗆 🛪
Saved reports:		Saved entity selections:		Autosovo 16.02.08 16:16 Poport
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 16:15 Autosave 16-02-08 16:15	Load Save Delete	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	Save Delete	Name EID Nun Mng Script Tx Rate Tx Rate (1 min) Tx Rate LL Rx Rate R sta-mac-100-4).1.121.5 false true None 0 0 0 0 0
				sta-mac-100-B 1.1.2.6 false true None 0 0 0 0
L3 Endpoints Skip Select	t All	-	Select None	sta-mac-101-A 1.1.22.7 false true None 0 0 0 0
Column Name	LISA	Entity Name		sta-mac-101-B 1.1.4.8 false true None 0 0 0 0
Name	2000	If tcn∆	030	sta-mac-102-A 1.1.23.9 false true None 0 0 0 0
FID	r r	sta-mac-100-A		sta-mac-102-B 1.1.5.10 false true None 0 0 0 0
Bun	V	sta-mac-100-B		
Mna	V	sta-mac-101-A	V	
Script	V	sta-mac-101-B	V	
Tx Rate	V	sta-mac-102-A	V	
Tx Bate (1 min)	V	= sta-mac-102-B	Ľ	
Tx Bate LL	V	sta-mac-103-A		
Bx Bate	V	sta-mac-103-B		
Bx Bate (1 min)	V	sta-mac-104-A		
Bx Bate LL	~	sta-mac-104-B		
Bx Drop %	V	sta-mac-105-A		
Tx PDUs	V	sta-mac-105-B		
Tx Pkts II	V	sta-mac-106-A		
PDU/s TX	V	sta-mac-106-B		
Pps TX LL	V	sta-mac-107-A		
Rx PDUs	V	sta-mac-107-B		
Rx Pkts LL	V	sta-mac-108-A		
PDU/s RX	V	sta-mac-108-B		
Pps RX LL	V	sta-mac-109-A		
Delay	V	sta-mac-109-B		
Dropped	V			
litter	r			
Tx Bytes	V			
Bx Bytes	r I	•		
→ Ports 🖌 Skip Select	t All	-	Select All 👻	
Create Report <u>C</u> lose				<u>C</u> lose <u>Save File</u>

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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