Web Browser Test

2025-01-21-02-48-30

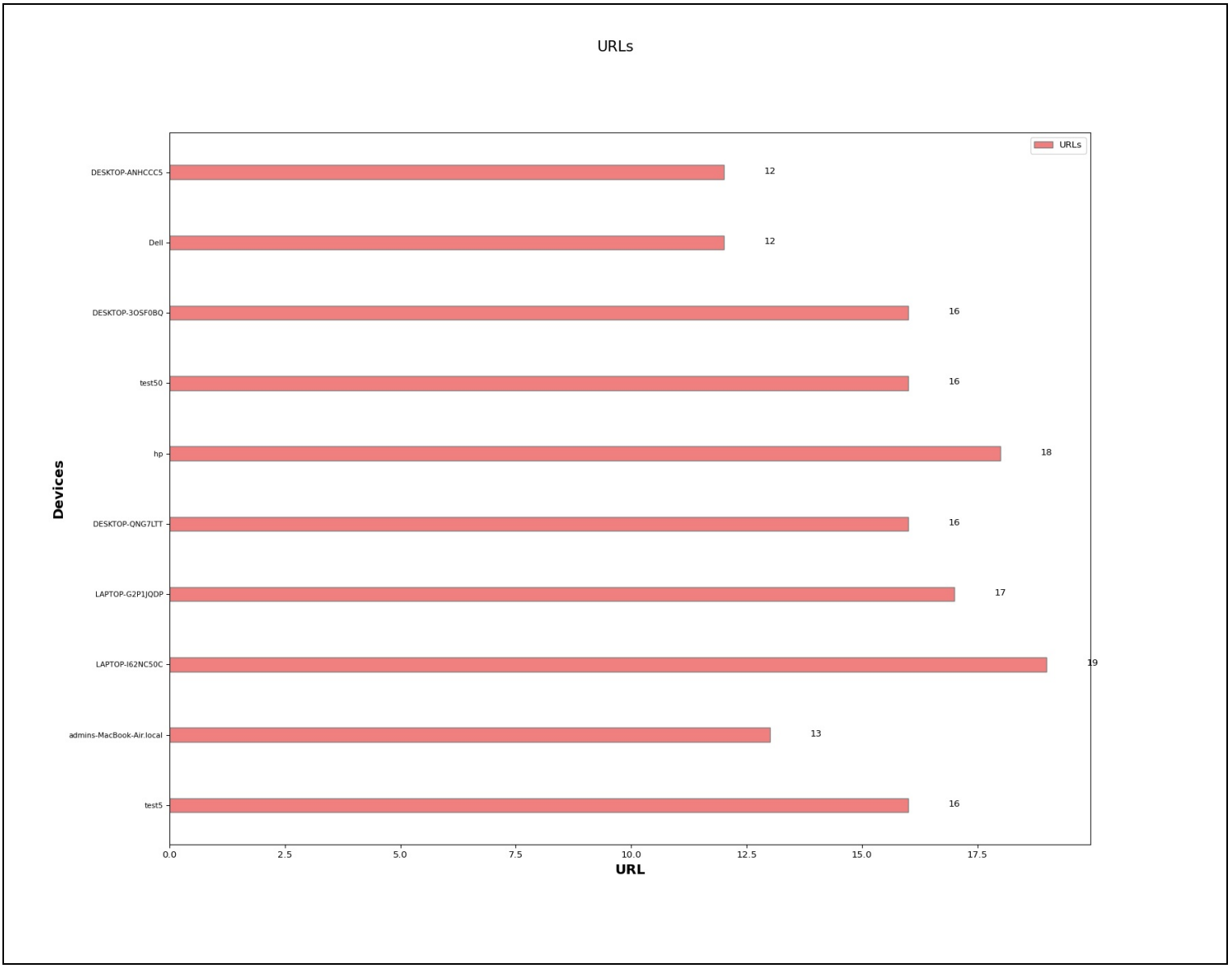
Objective:

The Candela Web browser test is designed to measure the Access Point performance and stability by browsing multiple websites in real clients like android, Linux, windows, and IOS which are connected to the access point. This test allows the user to choose the options like website link, the number of times the page has to browse, and the Time taken to browse the page. The expected behavior is for the AP to be able to handle several stations(within the limitations of the AP specs) and make sure all clients can browse the page.

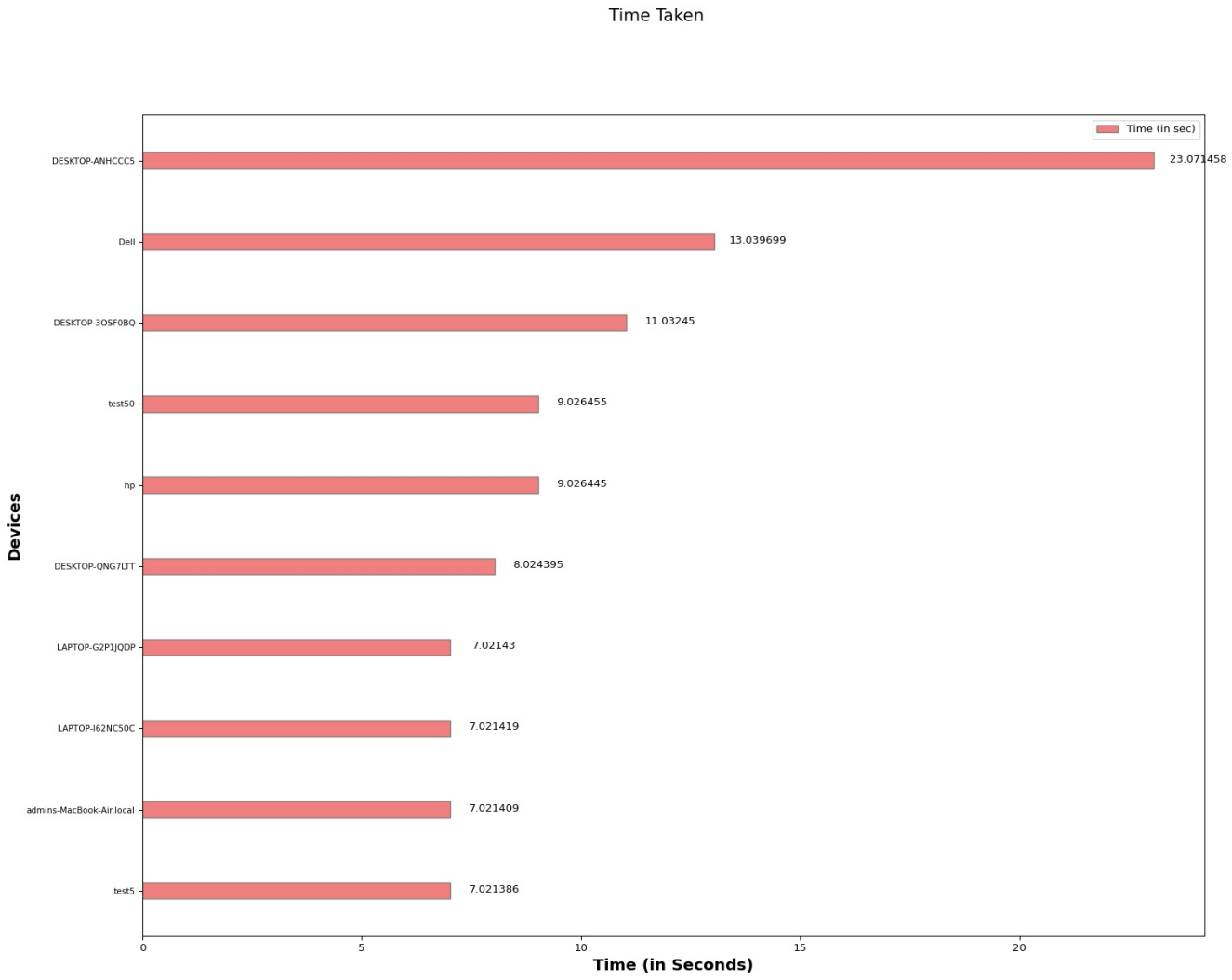
Test Parameters:

Test Parameters	No of Clients	W(6),L(3),M(1), A(0)
	Incremental Values	No Incremental Value provided
	Required URL Count	1
	URL	https://cisco.com
	Test Duration (min)	2m

Iteration 1 Successful URL's per Device



Iteration 1 - Time Taken Vs Device For Completing 1 RealTime URLs



Detailed Result Table - Iteration 1

Device Type	Hostname	SSID	MAC	Channel	UC-MIN (ms)	UC-MAX (ms)	UC-AVG (ms)	Total Successful URLs	Total Erros	RSSI	Link Speed
Linux/Interop	test5	Test_lab	44:85:00:8d:6a:cd	36	3.604	12.433	7.754625	16	0	-54 dBm	300 Mbps
Mac OS	admins-MacBook-Air.local	Test_lab	9e:49:02:bb:a5:fa	-1	3.284	21.218	9.165846	13	0	-51 dBm	103.0 Mbps
Windows	LAPTOP-I62NC50C	Test_lab	c8:94:02:22:77:03	36	3.236	9.843	6.291053	19	0	-54 dBm	650 Mbps
Windows	LAPTOP-G2P1JQDP	Test_lab	b4:b5:b6:b0:22:53	1	2.880	11.844	7.091941	17	0	-47 dBm	300 Mbps
Windows	DESKTOP-QNG7LTT	Test_lab	5c:3a:45:49:22:c7	36	2.788	11.861	7.192813	16	0	-52 dBm	433 Mbps
Linux/Interop	hp	Test_lab	b4:b5:b6:2b:e7:d9	36	2.918	10.442	6.660167	18	0	-54 dBm	243 Mbps
Linux/Interop	test50	Test_lab	d4:1b:81:2f:46:af	36	4.037	13.231	7.819250	16	0	-48 dBm	300 Mbps
Windows	DESKTOP-3OSF0BQ	Test_lab	0c:54:15:cb:95:5d	36	2.751	12.290	7.122500	16	0	-55 dBm	433 Mbps
Windows	Dell	Test_lab	40:1c:83:3c:81:15	36	4.146	15.240	9.657750	12	0	-56 dBm	721 Mbps

Windows	DESKTOP-ANHCCC5	Test_lab	00:93:37:bf:3c:9a	36	6.853	11.091	8.956833	12	0	-56 dBm	480 Mbps

Final Test Results

Device Type	Hostname	SSID	MAC	Channel	UC-MIN (ms)	UC-MAX (ms)	UC-AVG (ms)	Total Successful URLs	Expected URLS	Total Erros	RSSI	Link Speed	Status
Linux/Interop	test5	Test_lab	44:85:00:8d:6a:cd	36	3.604	12.433	7.754625	16	10	0	-54 dBm	300 Mbps	PASS
Mac OS	admins-MacBook-Air.local	Test_lab	9e:49:02:bb:a5:fa	-1	3.284	21.218	9.165846	13	10	0	-51 dBm	103.0 Mbps	PASS
Windows	LAPTOP-I62NC50C	Test_lab	c8:94:02:22:77:03	36	3.236	9.843	6.291053	19	10	0	-54 dBm	650 Mbps	PASS
Windows	LAPTOP-G2P1JQDP	Test_lab	b4:b5:b6:b0:22:53	1	2.880	11.844	7.091941	17	10	0	-47 dBm	300 Mbps	PASS
Windows	DESKTOP-QNG7LTT	Test_lab	5c:3a:45:49:22:c7	36	2.788	11.861	7.192813	16	10	0	-52 dBm	433 Mbps	PASS
Linux/Interop	hp	Test_lab	b4:b5:b6:2b:e7:d9	36	2.918	10.442	6.660167	18	10	0	-54 dBm	243 Mbps	PASS
Linux/Interop	test50	Test_lab	d4:1b:81:2f:46:af	36	4.037	13.231	7.819250	16	10	0	-48 dBm	300 Mbps	PASS
Windows	DESKTOP-3OSF0BQ	Test_lab	0c:54:15:cb:95:5d	36	2.751	12.290	7.122500	16	10	0	-55 dBm	433 Mbps	PASS
Windows	Dell	Test_lab	40:1c:83:3c:81:15	36	4.146	15.240	9.657750	12	10	0	-56 dBm	721 Mbps	PASS
Windows	DESKTOP-ANHCCC5	Test_lab	00:93:37:bf:3c:9a	36	6.853	11.091	8.956833	12	10	0	-56 dBm	480 Mbps	PASS