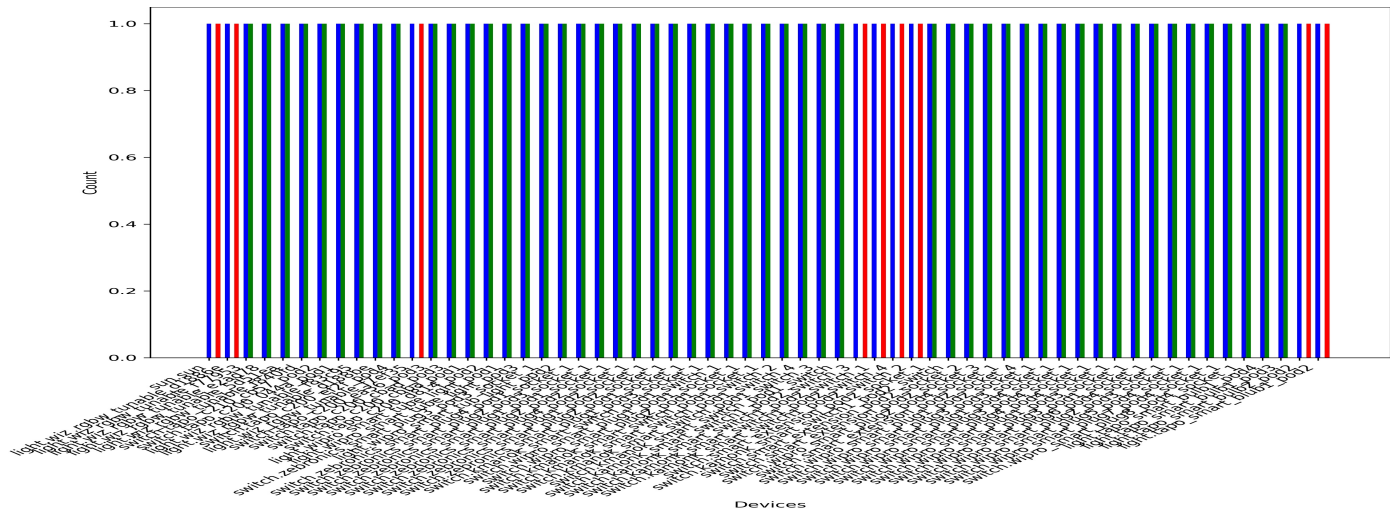


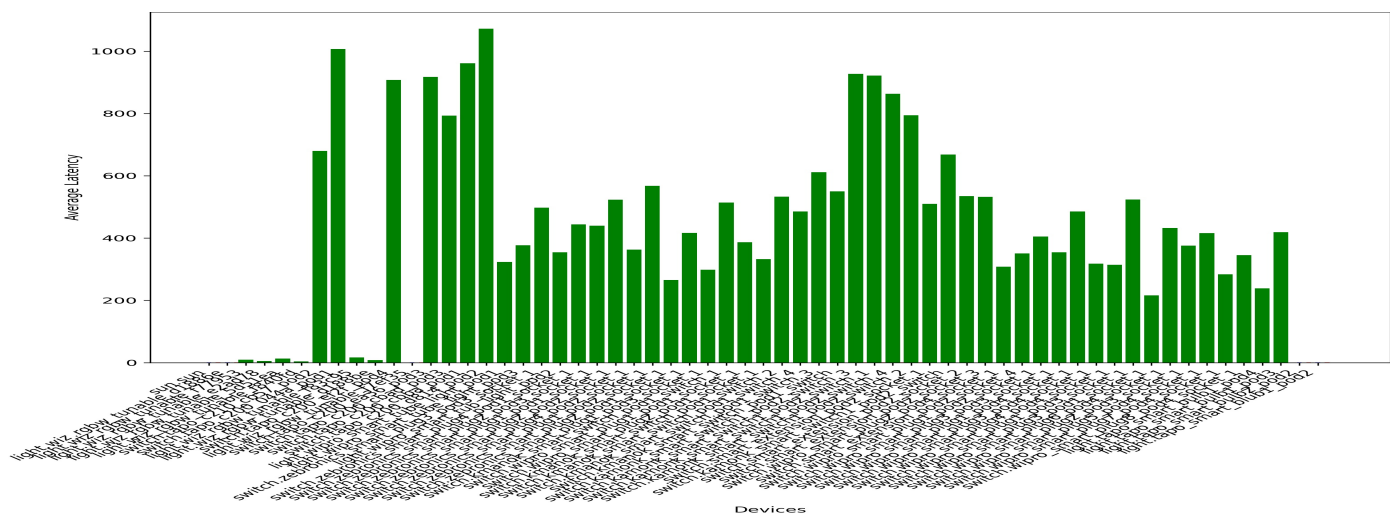
Objective

The Candela IoT test is designed to measure the performance of the Access Point by using different types of IoT devices connected to an Alexa which is connected to an AP. We measure the latencies in performing specific tasks at every iteration and note the number of times a command is successfully executed and failed. The expected behaviour is for the AP to be able to handle several IoT devices (within the limitations of the AP specs) and make sure all devices can be controlled.

Test Statistics



Request vs Average Latency (ms)



Overall Report Table

Device	Min. Latency (ms)	Avg. Latency (ms)	Max. Latency (ms)	No. of Iterations	Successful Iterations	Failed Iterations
sun.sun	-	-	-	1	0	1
light.wiz_rgbw_tunable_d1886e	-	-	-	1	0	1
light.wiz_rgbw_tunable_f77953	9.697000000000001	9.697000000000001	9.697000000000001	1	1	0
light.wiz_rgbw_tunable_e2ad78	5.444	5.444	5.444	1	1	0
light.wiz_rgbw_tunable_5d51ea	13.039	13.039	13.039	1	1	0
light.wiz_rgbw_tunable_f840fd	4.339	4.339	4.339	1	1	0
switch.tapo_c210_cb57_pod2	680.125	680.125	680.125	1	1	0
switch.tapo_c200_044a_pod1	1007.05	1007.05	1007.05	1	1	0
light.wiz_rgbw_tunable_f83c95	17.090999999999998	17.090999999999998	17.090999999999998	1	1	0
light.wiz_rgbw_tunable_d188be	8.609	8.609	8.609	1	1	0
switch.tapo_c200_ef2f_pod4	907.631	907.631	907.631	1	1	0
light.wiz_rgbw_tunable_f7ef35	-	-	-	1	0	1
switch.tapo_c200_ea36_pod3	917.399	917.399	917.399	1	1	0
switch.tapo_c200_cbad_pod3	792.986	792.986	792.986	1	1	0
switch.tapo_c200_cbba_pod1	961.386	961.386	961.386	1	1	0
switch.tapo_c200_d814_pod2	1072.535	1072.535	1072.535	1	1	0
light.wipro_smart_tube_light_pod1	323.673	323.673	323.673	1	1	0
light.wipro_smart_tube_light_pod3	376.869	376.869	376.869	1	1	0
switch.zebronics_smart_plug3_pod3_socket_1	497.567	497.567	497.567	1	1	0
light.wipro_smart_tub_light_pod2	354.608	354.608	354.608	1	1	0
switch.zebronics_smart_plug4_pod1_socket_1	443.99699999999996	443.99699999999996	443.99699999999996	1	1	0
switch.zebronics_smart_plug2_pod3_socket_1	439.996	439.996	439.996	1	1	0
switch.zebronics_smart_plug1_pod1_socket_1	523.019	523.019	523.019	1	1	0
switch.zebronics_smart_plug2_pod2_socket_1	363.268	363.268	363.268	1	1	0
switch.zebronics_smart_plug4_pod2_socket_1	567.707	567.707	567.707	1	1	0
switch.zebronics_smart_plug1_pod2_socket_1	265.641	265.641	265.641	1	1	0
switch.zebronics_smart_plug2_pod1_socket_1	416.323	416.323	416.323	1	1	0
switch.zebronics_smart_plug1_pod3_socket_1	298.307	298.307	298.307	1	1	0
switch.kmanok_smart_switch_pod1_switch_1	514.225	514.225	514.225	1	1	0
switch.wipro_smart_plug1_pod1_socket_1	386.87100000000004	386.87100000000004	386.87100000000004	1	1	0
switch.wipro_smart_plug2_pod1_socket_1	332.716	332.716	332.716	1	1	0
switch.kmanok_smart_switch_pod1_switch_2	533.073	533.073	533.073	1	1	0
switch.kmanok_smart_switch_pod1_switch_4	485.396	485.396	485.396	1	1	0
switch.kmanok_smart_switch_pod1_switch_3	611.377	611.377	611.377	1	1	0
switch.kmanok_smart_switch_pod1_switch	549.869	549.869	549.869	1	1	0
switch.kamonk_smart_switch1_pod2_switch_3	927.337	927.337	927.337	1	0	1
switch.kamonk_smart_switch1_pod2_switch_1	922.021	922.021	922.021	1	0	1
switch.kamonk_smart_switch1_pod2_switch_4	863.39100000000001	863.39100000000001	863.39100000000001	1	0	1
switch.kamonk_smart_switch1_pod2_switch_2	794.166	794.166	794.166	1	0	1
switch.smart_extension_pod2_socket_1	509.767	509.767	509.767	1	1	0
switch.kamonk_smart_switch1_pod2_switch	668.18900000000001	668.18900000000001	668.18900000000001	1	1	0
switch.smart_extension_pod2_socket_2	534.942	534.942	534.942	1	1	0
switch.smart_extension_pod2_socket_3	532.376	532.376	532.376	1	1	0
switch.wipro_smart_plug2_pod4_socket_1	308.29499999999996	308.29499999999996	308.29499999999996	1	1	0
switch.smart_extension_pod2_socket_4	350.828	350.828	350.828	1	1	0
switch.wipro_smart_plug1_pod2_socket_1	405.187	405.187	405.187	1	1	0
switch.wipro_smart_plug3_pod3_socket_1	354.525	354.525	354.525	1	1	0
switch.wipro_smart_plug1_pod4_socket_1	485.671	485.671	485.671	1	1	0
switch.wipro_smart_plug3_pod4_socket_1	317.896	317.896	317.896	1	1	0
switch.wipro_smart_plug4_pod4_socket_1	314.021	314.021	314.021	1	1	0
switch.wipro_smart_plug1_pod3_socket_1	523.592	523.592	523.592	1	1	0
switch.wipro_smart_plug3_pod1_socket_1	216.182000000000002	216.182000000000002	216.182000000000002	1	1	0
switch.wipro_smart_plug6_pod4_socket_1	432.658	432.658	432.658	1	1	0
switch.wipro_smart_plug2_pod3_socket_1	375.603	375.603	375.603	1	1	0
switch.wipro_smart_plug5_pod4_socket_1	415.952	415.952	415.952	1	1	0
switch.wipro_smart_plug7_pod4_socket_1	283.476	283.476	283.476	1	1	0
switch.wipro_smart_plug8_pod4_socket_1	345.192	345.192	345.192	1	1	0
light.tapo_smart_bulb1_pod4	238.469	238.469	238.469	1	1	0
light.tapo_smart_bulb1_pod3	419.21000000000004	419.21000000000004	419.21000000000004	1	1	0
light.tapo_smart_bulb2_pod2	-	-	-	1	0	1
light.tapo_smart_blub1_pod2	-	-	-	1	0	1

Input Parameters

The below table provides the input parameters for the test.

Testname	IoTDeviceTest_2025-04-2314:40.808223
Device List	sun.sun,light.wiz_rgbw_tunable_d1886e,light.wiz_rgbw_tunable_f77953,light.wiz_rgbw_tunable_e2ad78,light.wiz_rgbw_tunable_5d51ea,light.wiz_rgbw_tunable_f840fd,switch.tapo_c210_cb57
No. of devices	61
Iterations	1
Delay (seconds)	-

