Microsoft Teams Automation Test Report

2024-07-02-16-39-25

Objective

The Objective is to conduct automated Microsoft Teams call test across multiple laptops to gather statistics on sent audio,video and received audio,video. The test will collect these statistics and store them in a csv file. Additionally,automated graphs will be generated using the collected data.

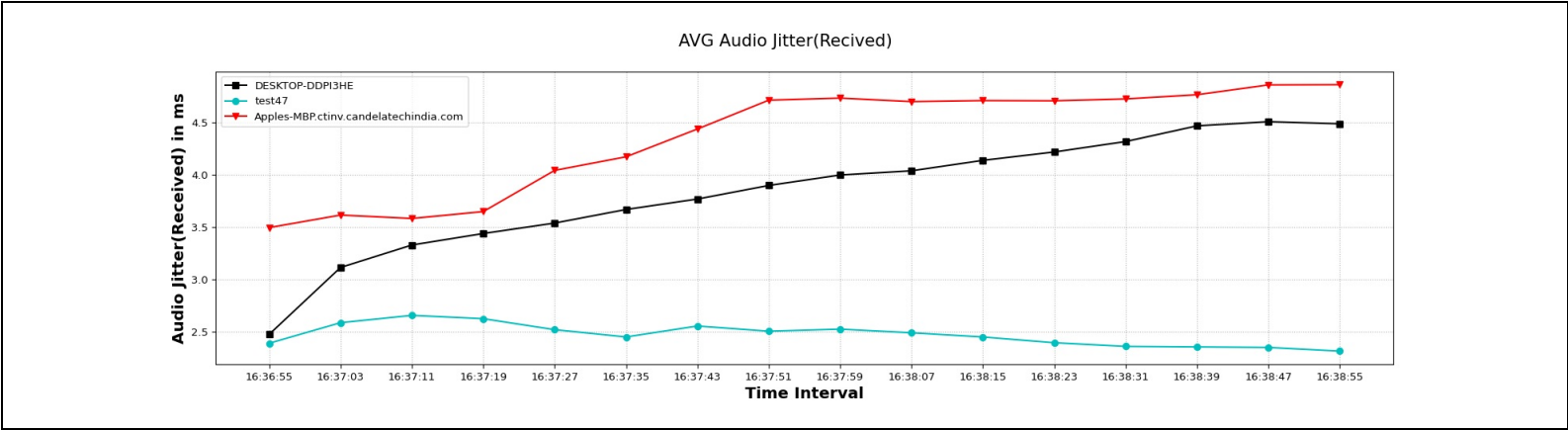| Test Parameters	AP Name	DUT_Lab
	SSID	VINTROP_wpa2
	Security	wpa2
	Duration (in seconds)	120
	Frequency Band	5 GHz
	No of clients:	W(1),L(1),M(1)

Test Devices

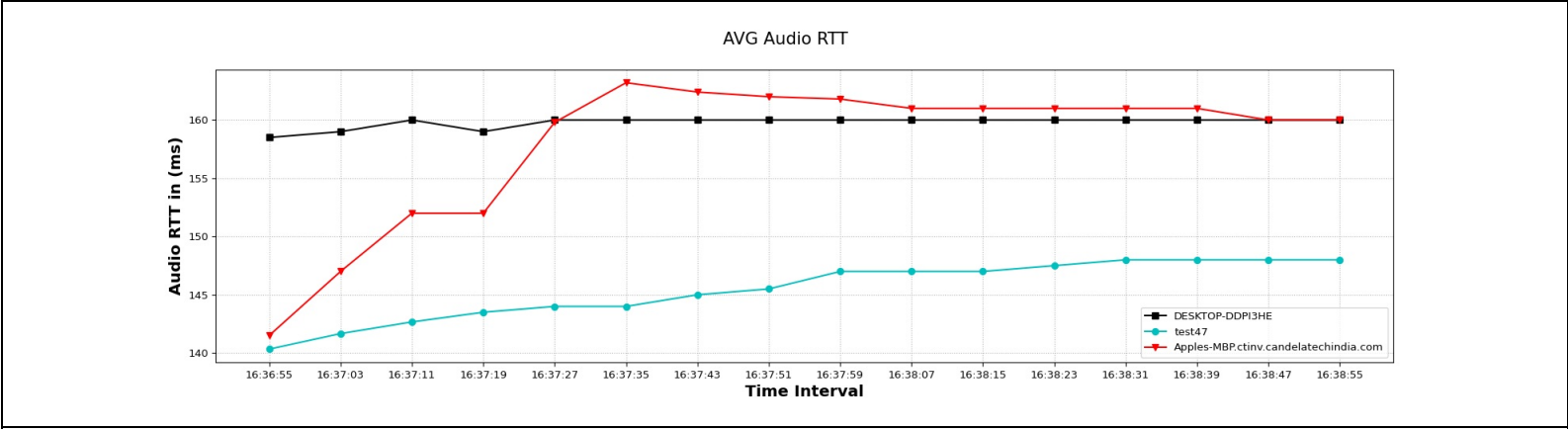| OS Type	IP Address
windows	192.168.214.211
linux	192.168.214.166
mac	192.168.214.100

Test Scenario

HOSTNAME	AUDIO	VIDEO	NETSTATS
DESKTOP-DDPI3HE	ON	ON	ON
test47	ON	ON	ON
Apples-MBP.ctinv.candelatechindia.com	ON	ON	ON

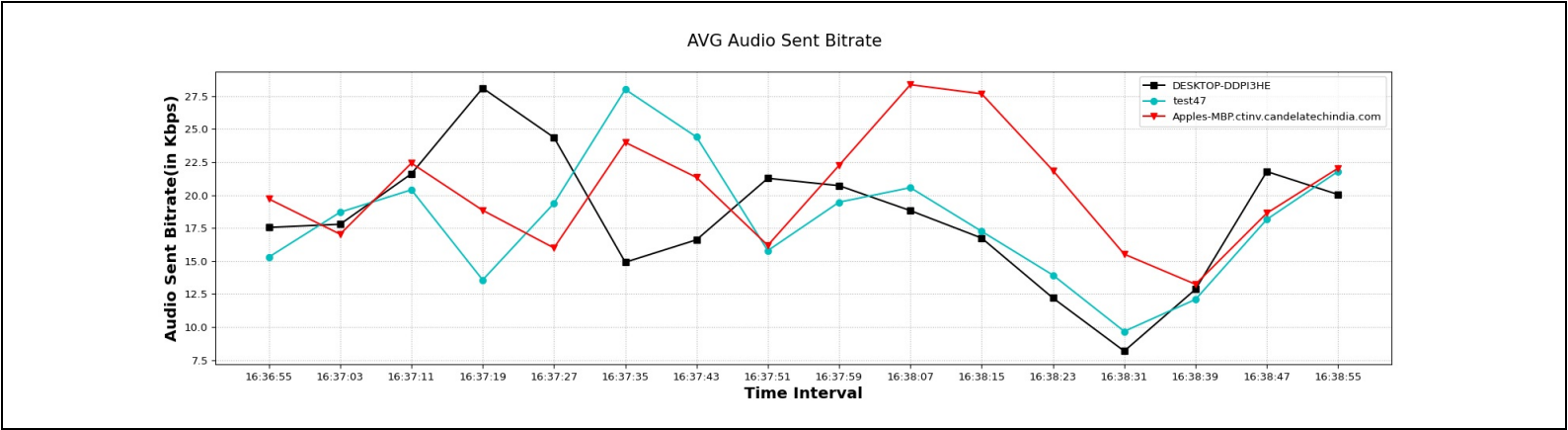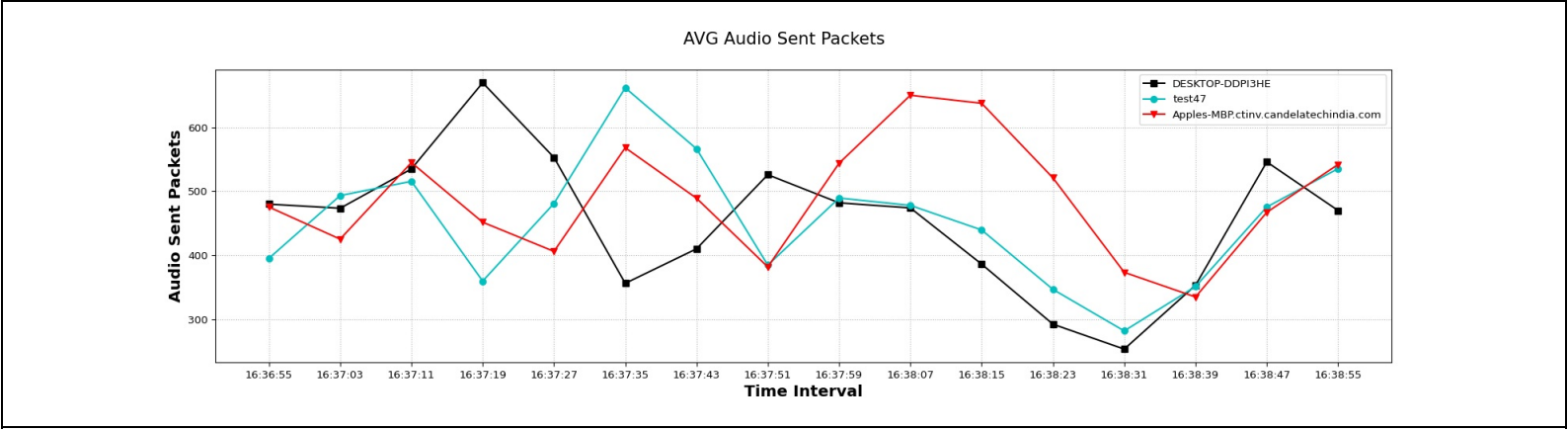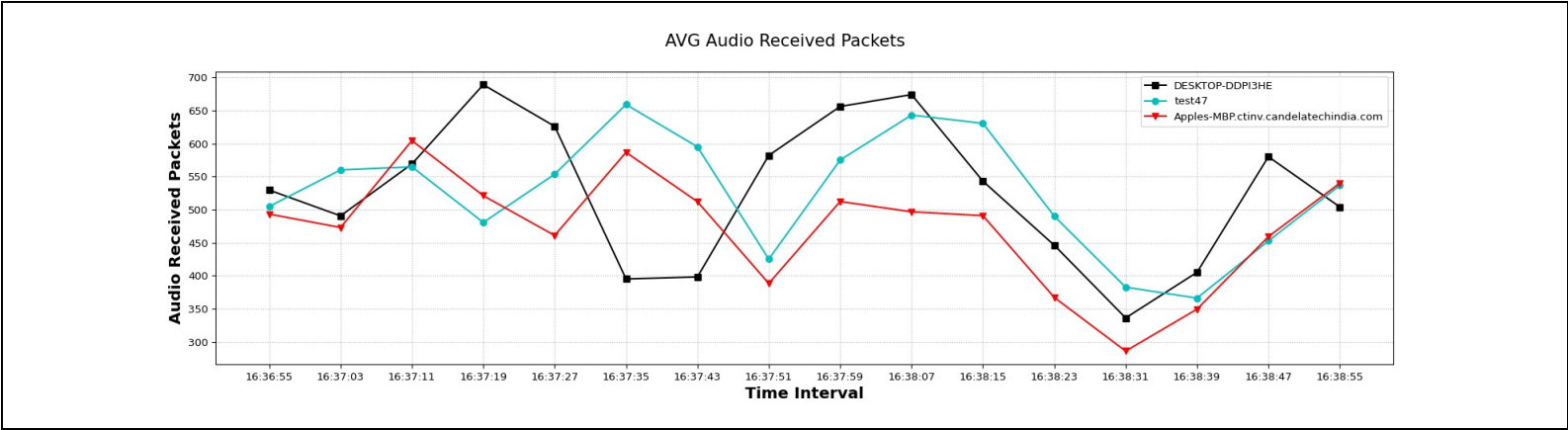## AVG Audio Jitter (Recevied)

AVG Audio Jitter(Recived)

Legend: DESKTOP-DDPI3HE, test47, Apples-MBP.ctinv.candelatechindia.com

X-axis: Time Interval (16:36:55 – 16:38:55)
Y-axis: Audio Jitter(Received) in ms

AVG Audio RTT

AVG Audio RTT

Legend: DESKTOP-DDPI3HE, test47, Apples-MBP.ctinv.candelatechindia.com

X-axis: Time Interval (16:36:55 – 16:38:55)
Y-axis: Audio RTT in (ms)

AVG Audio Sent Bitrate

AVG Audio Sent Bitrate

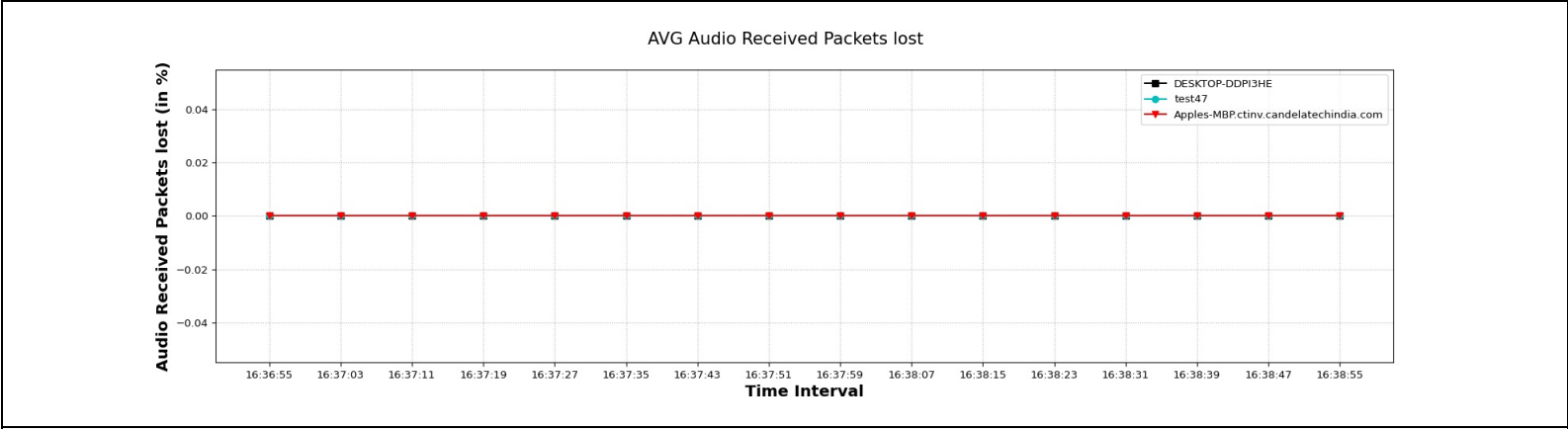## AVG Audio Sent Packets

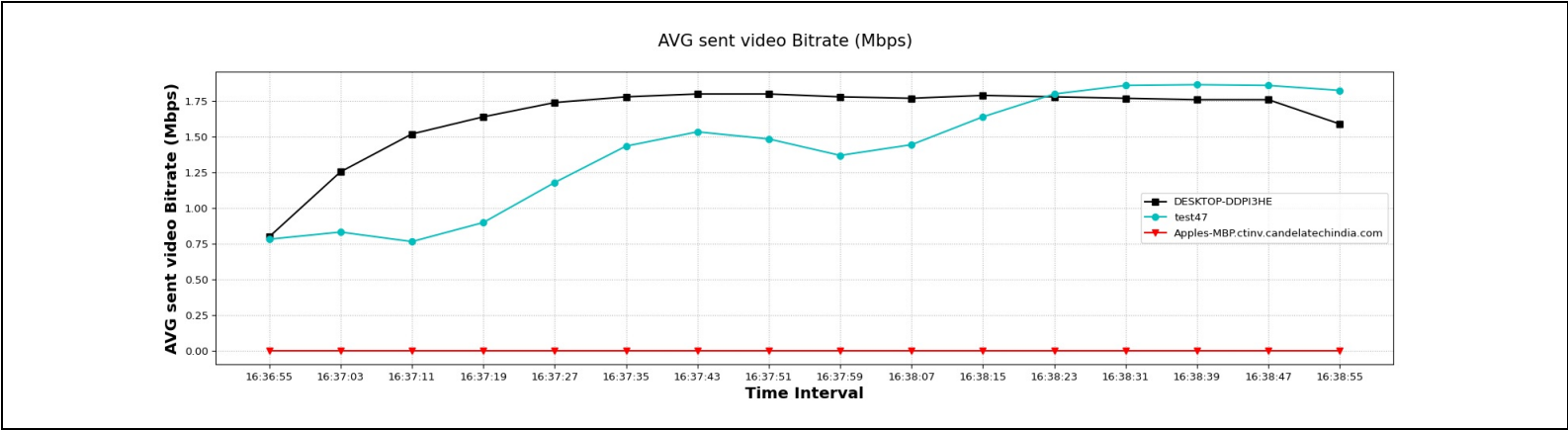AVG Audio Sent Packets

AVG Audio Recieved Packets

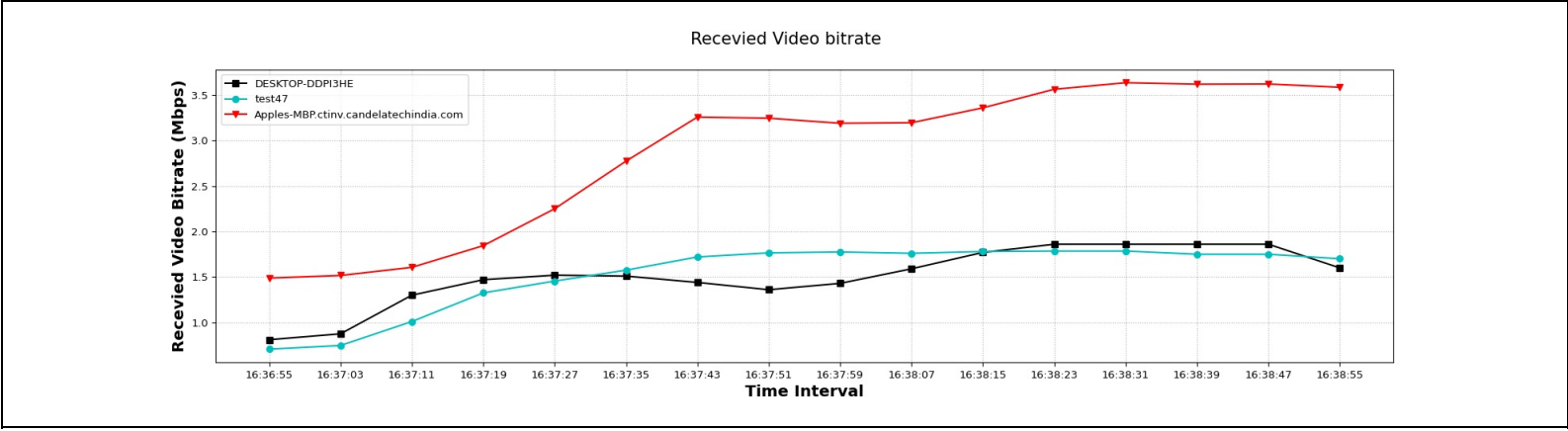AVG Audio Recieved Packets lost

Test Results

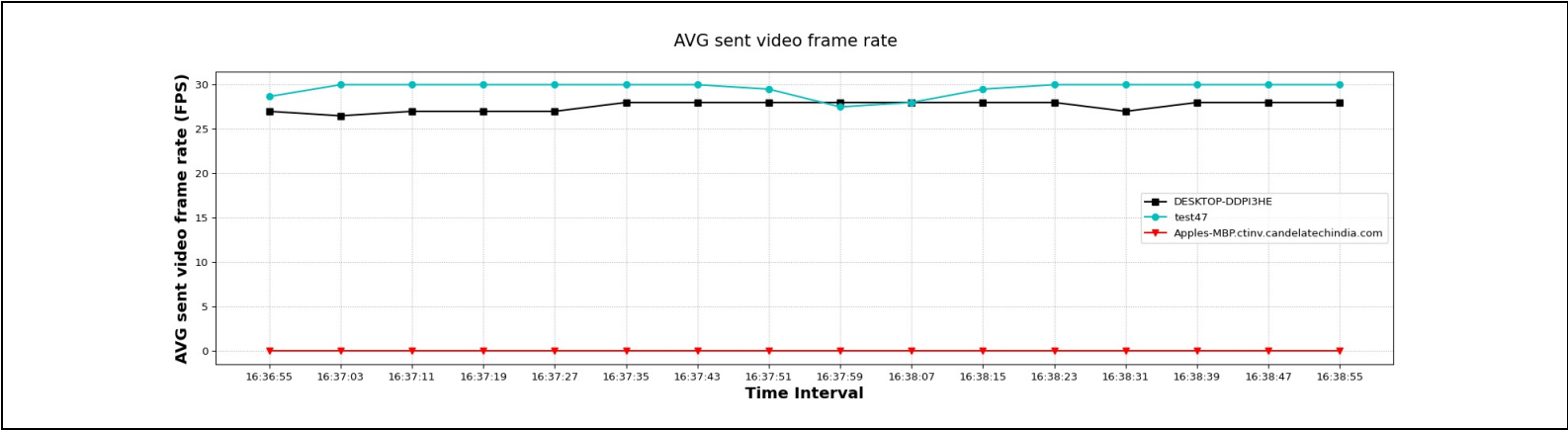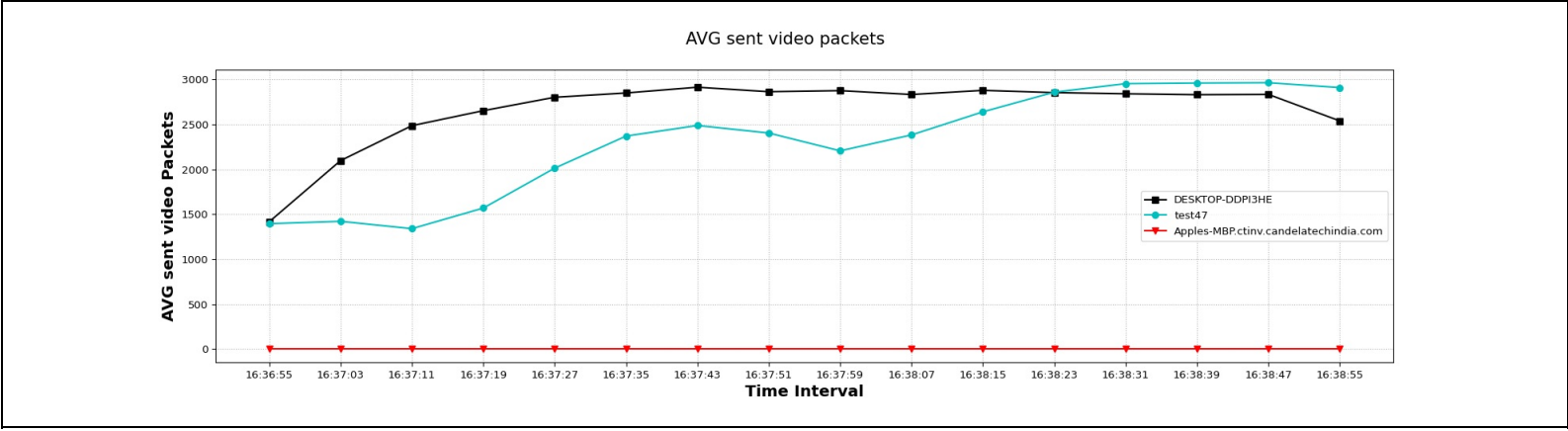| Hostname	Audio Jitter Recevied in ms(AVG)	Audio RTT in ms(AVG)	Audio sent Bitrate in Kbps (AVG)	Audio Sent Packets (AVG)	Audio Received Packets (AVG)	Audio Received Packets lost in % (AVG)
DESKTOP-DDPI3HE	3.839375	159.781250	18.345312	453.718750	526.437500	0.0
test47	2.470521	145.447917	18.027917	453.406250	526.145833	0.0
Apples-MBP.ctinv.candelatechindia.com	4.362708	157.918750	20.316125	488.279167	471.212500	0.0

AVG sent video Bitrate (Mbps)

AVG sent video Bitrate (Mbps)

AVG Video Recevied Bitrate (Mbps)

Recevied Video bitrate

AVG sent video frame rate (FPS)

AVG sent video frame rate
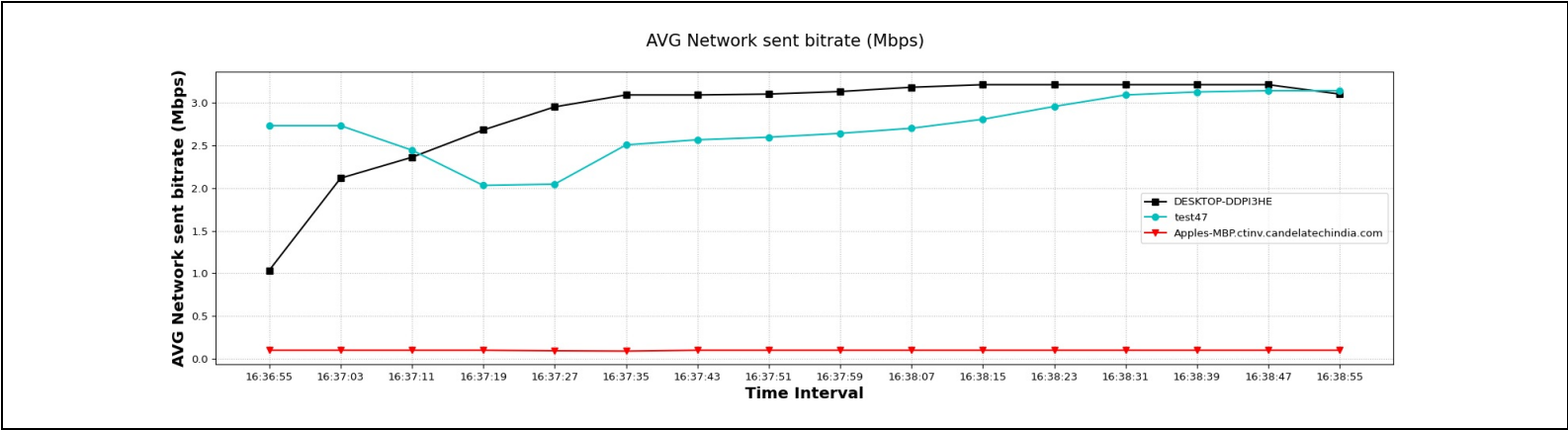
AVG Sent Video Packets
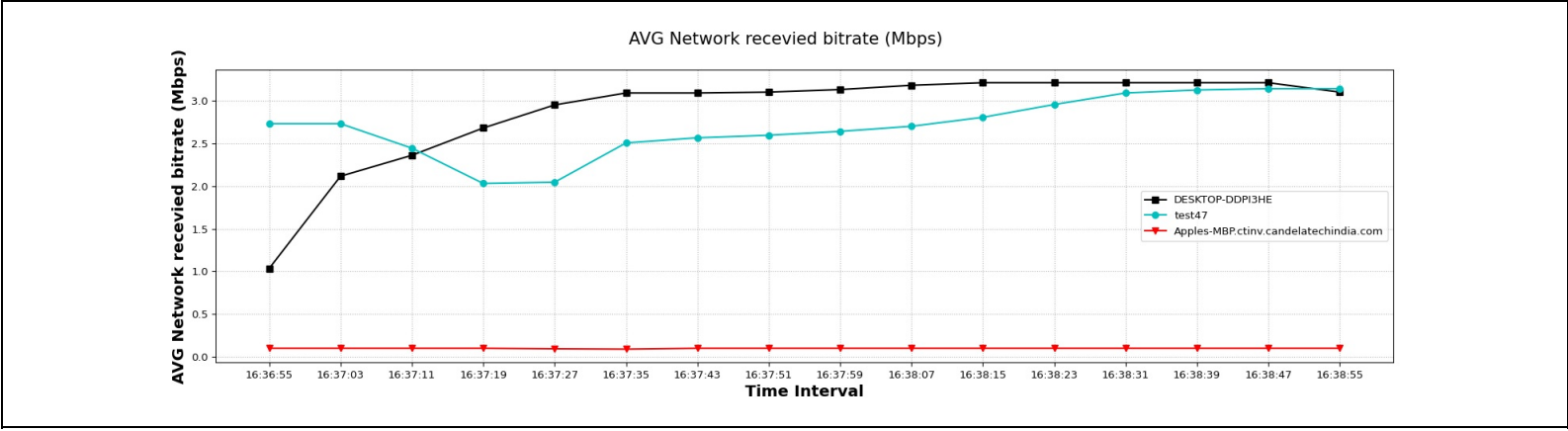

AVG sent video packets

Test Results

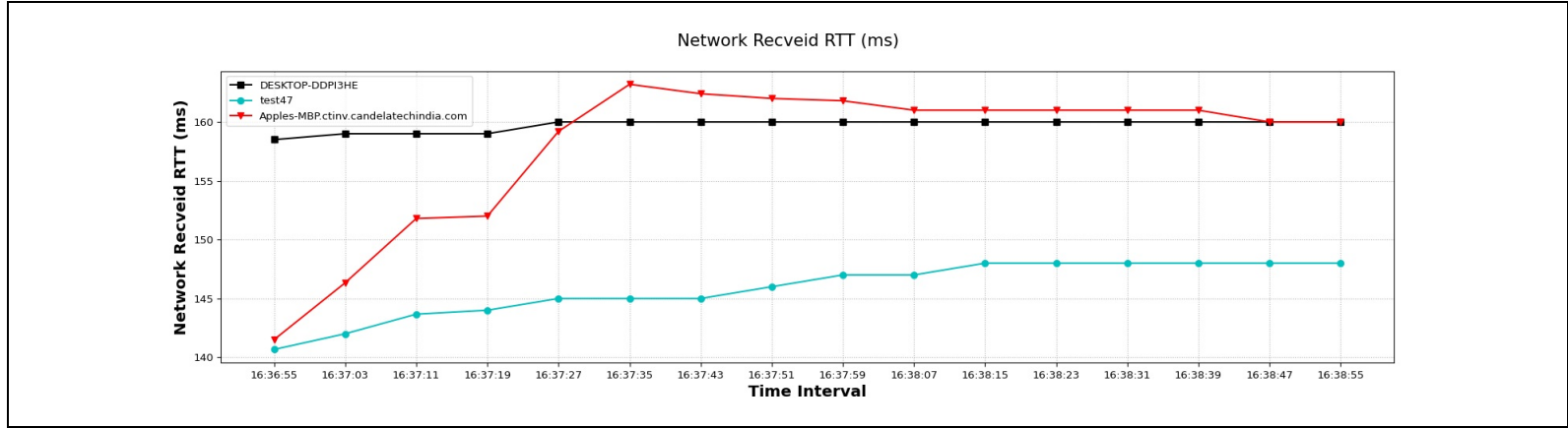| Hostname	AVG Video sent Bitrate in (Mbps)	AVG Video Received Bitrate in (Mbps)	AVG video sent frame rate in (fps)	AVG video sent packets
DESKTOP-DDPI3HE	1.645938	1.507188	27.593750	2661.5625
test47	1.411458	1.524271	29.572917	2305.7500
Apples-MBP.ctinv.candelatechindia.com	0.000000	2.859813	0.000000	0.0000

AVG Network sent bitrate (Mbps)

AVG Network sent bitrate (Mbps)

AVG Network recevied bitrate (Mbps)

AVG Network recevied bitrate (Mbps)

Network Recveid RTT (ms)

Network Recveid RTT (ms)

Test Results

Hostname	AVG Network Sent Bitrate (Mbps)	AVG Network Received Bitrate (Mbps)	AVG Network Received RTT (ms)	AVG Network Received Pakcets lost(%)
DESKTOP-DDPI3HE	2.867500	2.867500	159.718750	0.0
test47	2.702396	2.702396	145.833333	0.0
Apples-MBP.ctinv.candelatechindia.com	0.099000	0.099000	157.827083	0.0