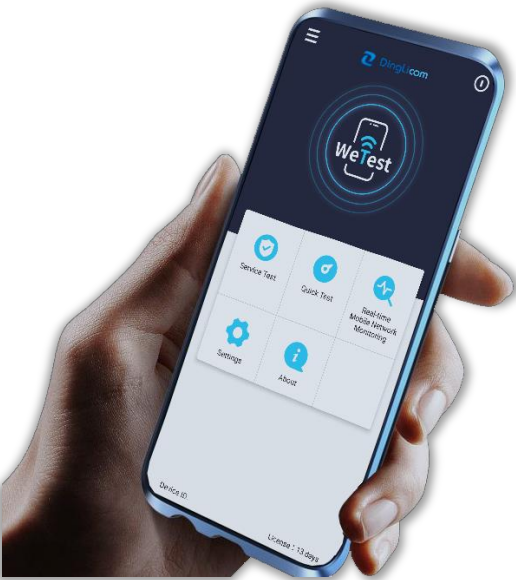# Pilot WeTest V3.6

User Perception Automated Over-the-Top (OTT) Application Test Solution

Pilot WeTest's OTT Apps test software runs on commercial smartphone devices to simulate the operation and present actual user experience of the services' performance. Its compact form factor and clear interface design facilitate easy test operation with real-time measurement data presentation. Pilot WeTest performs the test by simulating user operation when using the OTT Apps, collect and analyze the data for performance verification and troubleshooting.

Main Features

5G Android 10/11 and Harmony-based Phone Support

✿ Install Pilot WeTest on non-rooted/rooted commercial phone

✿ An Android-based setup package that is

User-defined Test Solution

✿ Customize test solution and automatic test with a single click

✿ Configure test plan in Pilot Fleet Edge and send test tasks (with multiple test plans) to Pilot WeTest

Intelligent Data Post Processing/Statistics

✿ Displays various KQIs (e.g. delay, packet count, packet interval, bytes, throughput, etc.) to reflect actual user perception.

✿ Upload, query, and export test results

2G/3G/4G/WLAN/5G Support

✿ Real-time moniroring and display of network information

Automatic Main-stream OTT App Test

✿ Network and service KPIs from user's perspective

✿ Support upto 15 categories and 31 types of App test service

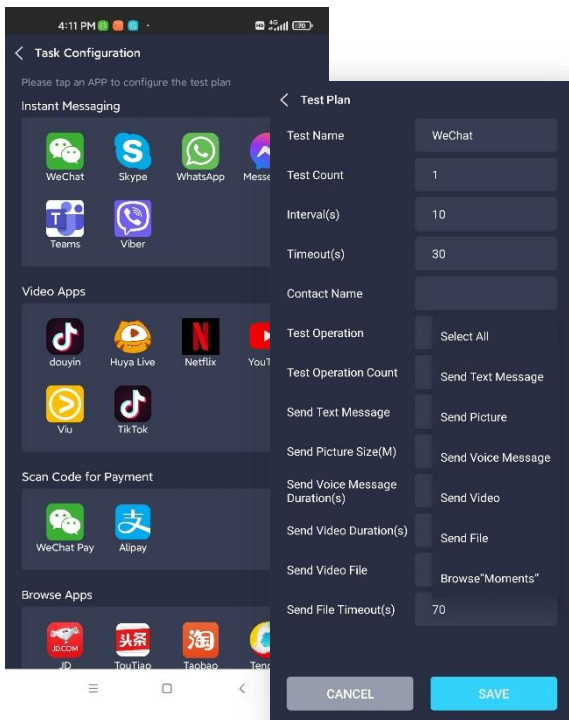Intelligent Test from User's Perspective

Basic Data Test Service

✿ Multi_FTP, TCP, UDP, PING, PBM

✿ HTTP Web Test: Http_Baidu, Http_NetEase, Http_SOHU, Http_People_Network, Http_CTRIP, Http_JD, Http_Taobao, Http_Sina_Weibo, Customize(HTTP Web)

✿ HTTP Video Test: Sina Video, v.sohu, Tencent Video, Youku Video, TikTok Video, IQIYI, Customize(HTTP Video)

1.Instant Messaging: WeChat, Skype, WhatsAPP, Facebook Messenger, Microsoft Teams, Viber

2.Short Video: TikTok

3.Live Stream: Huya Live, YouTube, Netflix, Viu

4.Scan Code for Payment: WeChat Pay, Alipay

5.Voice Call: WeChat Voice Call, Skype Voice Cal

6.News: TouTiao, Tencent News

7.Shopping: JD, Taobao

8.Map Apps: Baidu Map

9.Apps Download: MyApp

10.Red Packet Apps: WeChat Red Packet

11.Games: Honour of Kings, Call of Duty, Mobile Legends

12.Search: Chrome

13.Social: Instagram, Facebook, Twitter
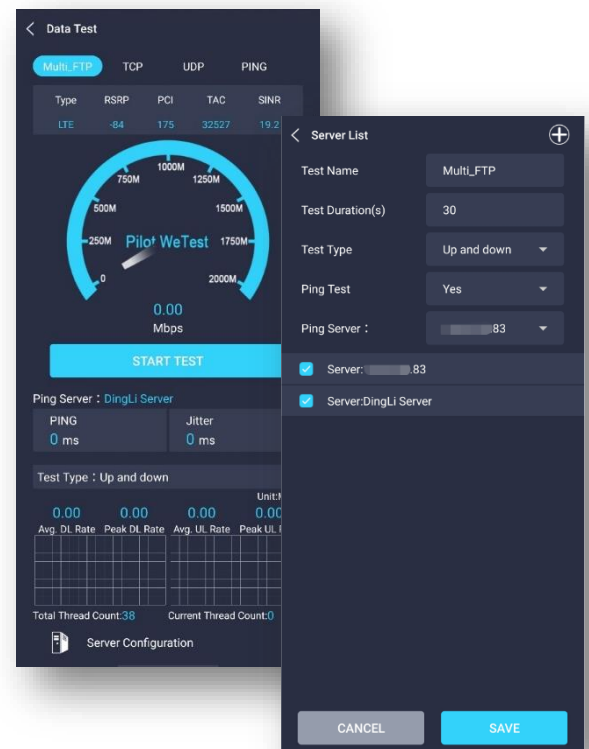
14.Meeting: Zoom

15.Email: Gmail
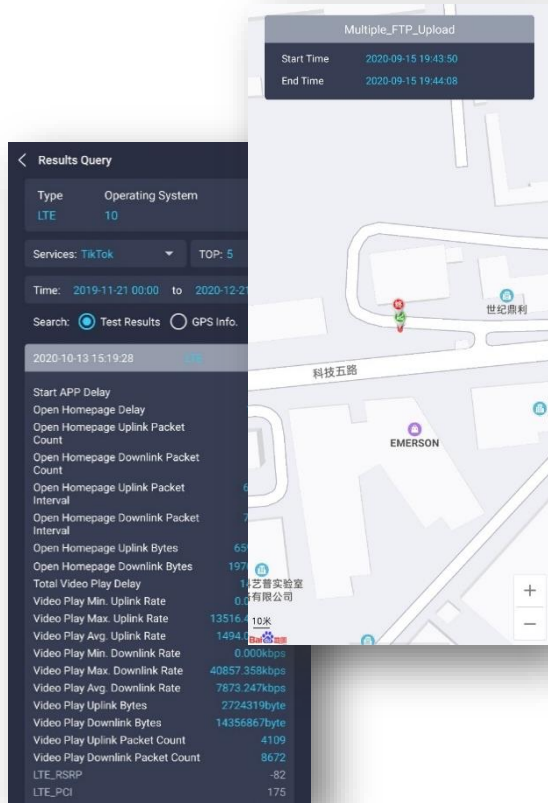
OTT App Test from User's Perspective

- Execute test by simulating user's operation and collecting user perspective data

- Default and customized test-plan to satisfy multiple test requirements.

- Multiple-test operations are designed for different network status / test requirements

- Adapted main-stream OTT App test: WeChat, TikTok, Taobao, Toutiao, Alipay, Huya Live, etc.

- Automatic test with a single click. Configure and send tasks (including multiple test plans) from Pilot Fleet Edge to Pilot WeTest

Basic Data Test for Network Performance

- FTP test: multiple test servers and threshold count may be customized by users for high-performance network test and measurement

- Basic network performance test and measurement: PING, TCP, UDP and PBM

- End-to-end default (such as HTTP Baidu, HTTP NetEase, HTTP SOHU, HTTP People's Network, HTTP CTRIP, HTTP JD, HTTP Taobao, HTTP Sina Weibo) or user-defined website access test

- Online video play test: Sina Video, v.sohu, Tencent Video, Youku Video, TikTok Video, IQIYI etc.

Intelligent Data Post Procesing /Statistics

- Collects KQI indicators, network parameters information, location information and GPS test route automatically during the test.
- Displays test KPIs and results in real time during the test, and upload test result to Pilot Fleet Edge.
- Filter test service, search time, and export test results (CSV)
- View GPS test route that is drawn during test and export test route information (CSV)

Real-time Test Monitoring

- Real-time monitoring and display of network parameters 10 seconds update interval
- Real-time display ofuser location on the map and pinpointing outdoor test route information
- Load site file to Pilot WeTest to view the site distribution and detailed information
- Real-time display of test device information, e.g. memory, battery information