

OTT

Over-The-Top Application Testing Services

OTT Testing at a Whole New Level



SERVICES

QA service for Streaming Media and OTT applications

- Seamless Delivery testing
- Playback Quality testing
- User-friendly interface testing
- Stream Testing
- Interoperability testing
- User Experience testing
- Network testing
- Performance Testing

WHY US

3000+

Pre-built test cases for OTT apps

10+ OTT apps

Tested and delivered

300+ Engineers

Experiences in Media, Signalling

Available framework

Serve multiple platforms with faster time-to-market

TECHNOLOGIES

Platforms

Desktops/Laptops

Phones/Tablets

SmartTV

OTT Services



Online Video Streaming



Video or Voice Calls



Instant Messaging through Mobile Devices

Technologies

Domains:

- ▶ OTT, Telecommunication

New Technologies:

- ▶ Microservices, Android, iOS, TV

Protocols Stack:

- ▶ WebRTC , SIP, H264, OPUS
- ▶ NodeJS, Web Socket, REST APIs, HTML/HTML5

Frameworks and Solutions

Automation Framework:

- ▶ Appium, BOT, TMA Automation Framework, Robot Automation Framework, TMA Automation Analysis Tool

Standardized CI/CD model:

- ▶ Jenkins, Pipelines, Docker, IaC, Coverity, Continuous Testing

Tools

Testing tools:

HP QC, JIRA, Confluence, Crucible, BitBucket, Wireshark, SSH/Putty, Colasoft Packet Play, SmartBits, SIPp, LDAP Browser, MIB Browser, Tera Term, Mincom, Syslog viewer

Security tools:

Nessus, OWASP, NMAP, BurpSuit, Accunetix, Kali Linux (Linux penetration testing tools)

CASE STUDY

Create bots to do performance test for system provisioning and OTT user services (chat, voice, video, etc...)

Description

- Develop the traffic tool using BOT technology from scratch using: NodeJS, Web Socket, REST APIs, HTML/HTML5
- Build automation framework to support testing end-to-end scenarios for enterprise services
- Run the performance test for all OTT services

Services

Design Tool

Deploy

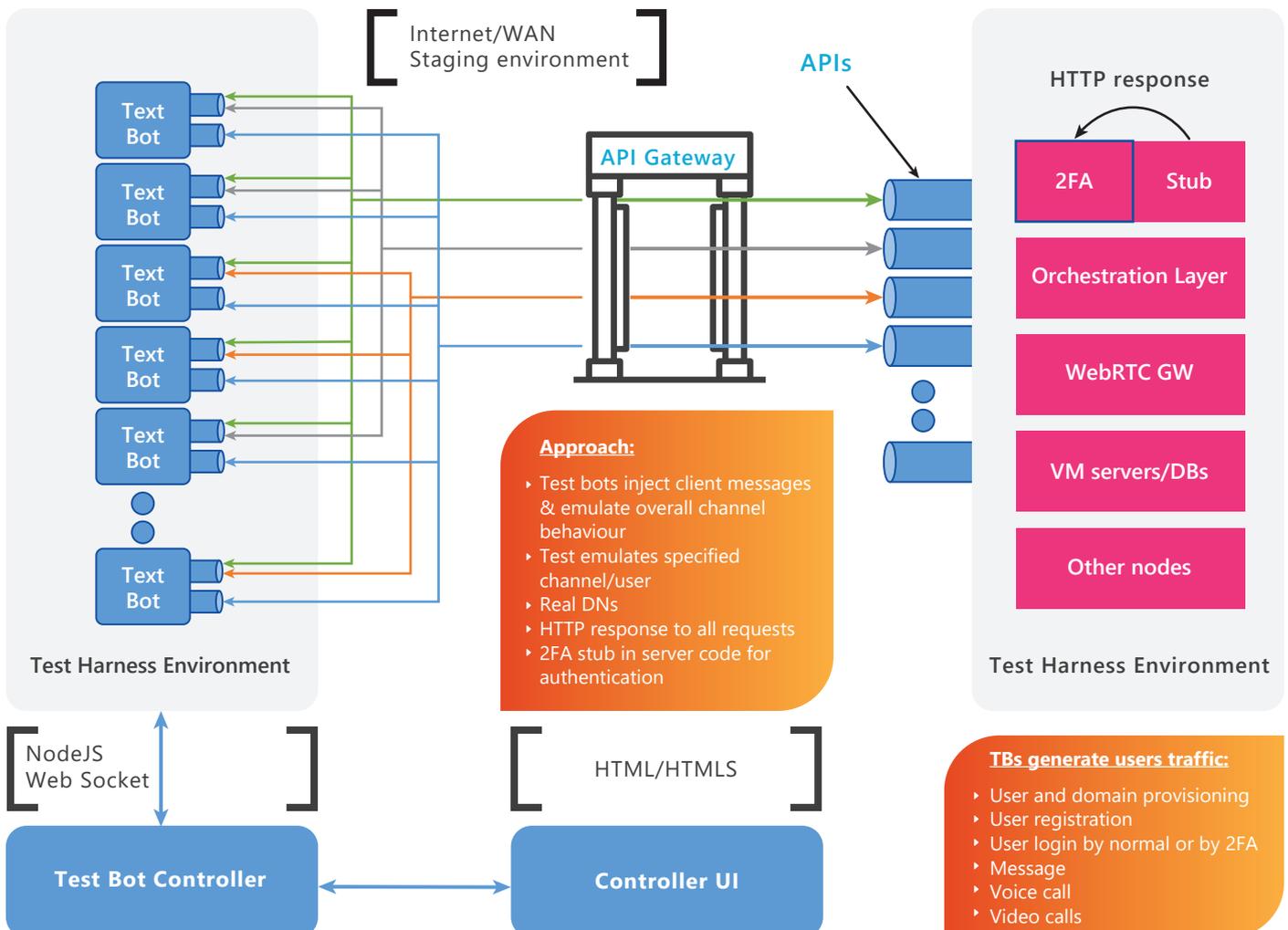
Test Execution

Technologies

Platform



Language



CASE STUDY

Ensure OTT services of the Enterprise solution works well on all platforms of web, PC/Mac app, Android and iOS mobile devices

Description

That is an OTT app to support all kinds of video/audio calls to SIP/WebRTC/ PSTN client. Also support on chat, IM, collaboration, group chat

- Set up the test domain, environment
- Verify all supported functionalities of the OTT services in various platforms: video/audio call, conference, message, voice, group call, presence
- Verify push notification for active/passive push on android and iOS
- Verify 2FA with 1 million subscriber via BOT tools
- Verify media stream under differenct network conditions
- Verify media stream switch back and forth between wifi and 4G/LTE
- Verify interaction with Voice mail service, multi-party & collaboration and SIP client for Call-P service

Technologies

Platform



Language

