GlobalLogic®

OTT TestLab Accelerator

A unified infrastructure & scheduling tool that enables OTT channel / app developers to automate tests on any device in any location at any time

Automate tests for OTT channels & apps on 3,000+ devices

GlobalLogic's OTT TestLab accelerator enables developers to schedule automated tests for their OTT channels and applications on any device, in any location, at any time. With a baked-in repository of 3,000+ devices, this secure, easy-to-implement solution eliminates the need to purchase or duplicate devices, or to balance complicated inventory or testing schedules. Businesses can also use TetsLab to host their own existing devices or even establish a local test lab.

Unified Infrastructure

The OTT TestLab's unified CI / CD infrastructure enables you to automate testing for any OTT or mobile platform to accelerate time-to-market.

Seamless Integration

The solution's platform is easy to install and can be integrated with an existing infrastructures or extended with new devices.

Centralized Device List

Quickly find available devices, schedule daily / weekly tests, and monitor a device's status in real-time for more reliable results.

KPI Tracking

Easily view KPIs (e.g., test cases, coverage per platform, etc.) and make on-the-fly changes to your OTT channel / app based on its performance on a device.

Customized Dashboard

We can help design and implement a custom interface to access, support, and maintain each unique TestLab instance.

Reduced Costs

Eliminate the need to purchase or duplicate devices; avoid idle devices or ineffective device usage; and begin testing right from the start of a project.

OTT
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How It Works

Test Device Inventory

GlobalLogic manages a globally distributed inventory of 3,000+ devices to ensure that clients have access to a wide range of platforms, hardware, and operating systems.

- **OTT & SmartTVs:** Roku, Xfinity, tvOS, Amazon Fire TV, Android TV, Tizen, webOS
- **Game Consoles:** Xbox, Playstation, Nintendo DS
- **Web/Mobile:** Android, iOS

Device Manager

TestLab's cloud-based server enables the accelerator to be installed anywhere, including on the client's side. The primary component of the server is the Device Manager, which updates the list of test devices connected to the server; retrieves data about the devices (e.g., state, OS version, etc.); runs tests; manages and deploys applications on the devices; and gathers metrics about app performance, number of executed tests, etc..

Lab Manager

The accelerator's Lab Manager serves as the user interface for managing each unique TestLab. The Lab Manager is deployed separately for each client, and it connects to the client's VCS and Build Server. This setup enables clients to build the test application after adding changes to the VCS, upload it to the cloud, and pass it to the Device Manager.

Onsite / Cloud architecture diagram: Hardware Layer (Devices: OTT & SmartTVs, Game Consoles, Web & Mobile) connecting to Server (Device Manager), Lab Manager (Backend, Middleware, Data Warehouse), Build Server, VCS, and Web UI (Lab Manager, Dashboard).