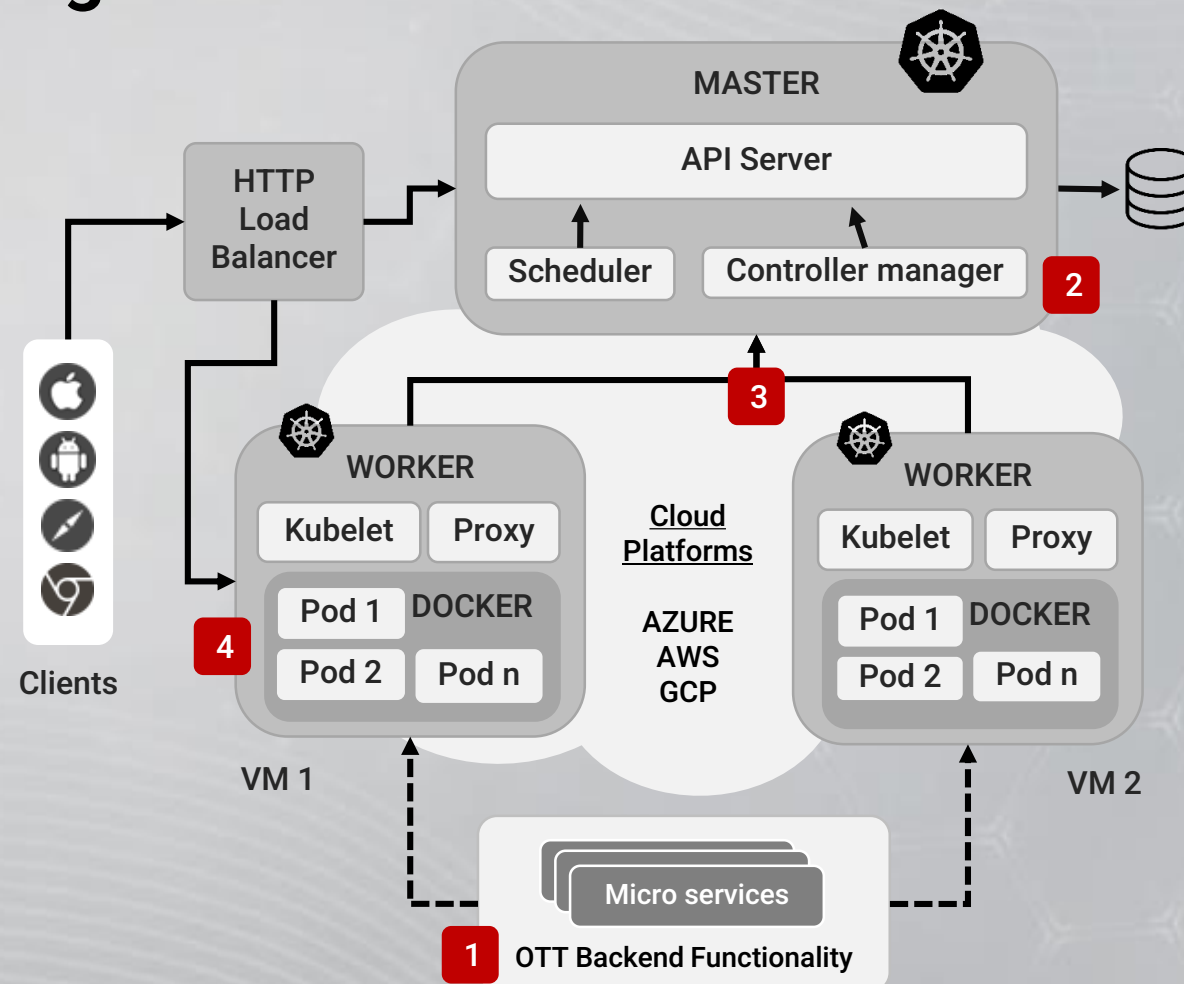


Containerization and Cloud scaling reduces operational complexity

1. Enables separation of OTT Video Backend functionality into multiple micro-services
2. Simplifies deployment of OTT Backend components across cloud platforms
3. Enables resource allocation for each micro-service to be configured based on need
4. Facilitates scalability of OTT Backend components based on configurable replica count



Rebaca Engineering Team Strength

- › Container Architecture
 - Bootstrap Service, Web proxy server, FCGI Server
 - Remote Configuration with dynamic modification
 - KPI Exporter and Prometheus monitoring
 - Scripts for deployment and configuration
- › Cloud-native application development and deployment on K8S Cluster using DevOps automation tools
- › Log Management using Apache Kafka and ELK
- › Validation of playback workflows between client devices and cloud-hosted server components



Comprehensive Test Automation Service & Solution

- › Test Automation for OTT Server and Cloud deployment
- › Test Automation for media playback on multiple client devices
- › **ABot OTT Solution features:**
 - Rapid onboarding of backend API , ease of Static Configuration and Dynamic test data
 - Rapid onboarding of new client playback devices
 - Load and Scale testing
 - Remote test execution, monitoring, Parallel execution, and capturing of test artifacts
 - Ingesting execution analytics to Elastic, and error classification
 - Client and Server Log Correlation and Validation
 - Analytics Reports and Dashboards

Sample Features for OTT Functional Testing:

Media Provisioning – Live, VOD, Catchups and Recording

Media Deletion and Purging

Content Management System(CMS) Workflows

Playback on client devices with multiple DRM types

Handling PBRs and stream limit enforcement

Timeshift and trick mode playback

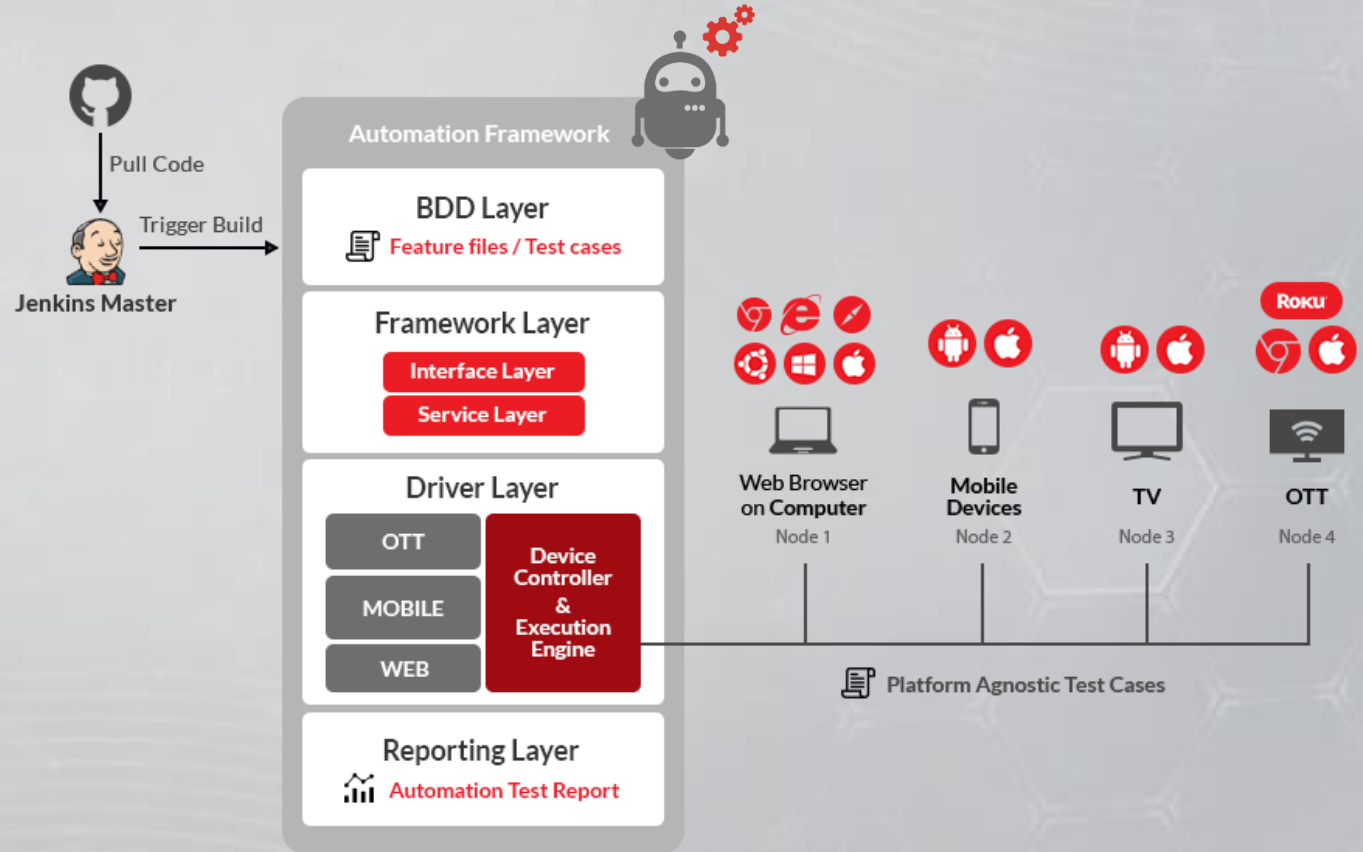
Key Rotation across multiple DRMs

Server-side dynamic Ad insertion

Chromecast and Airplay Support

ABot OTT Test Solution

- › **Codeless Automation:** Automation engineers only need domain knowledge to create BDD test cases. No programming knowledge required.
- › **Common set of BDD test cases** across devices (Web, Mobile, STB, TV) facilitating authoring test cases on various platforms
- › **CI-CD enabled Parallel testing.** Comprehensive drill-down report with artifacts.
- › **Advance Features:**
 - A/V statistics
 - Failure analysis
 - Maturity trend



Customer Benefits Delivered

- › Developed Docker containers, OTT video service pods on Azure and Openstack-based K8S cluster
- › Enabled Monitoring, detecting unhealthy pods, and Visualization of OTT components
- › Automated test framework resulting to faster release and stable service quality





Rebaca is a niche player in the Telecom and OTT streaming video domain. We focus on development and test automation of Video Delivery & Consumption, DRM and Ad Insertion solution.

Our Telecom BU offer solutions and services on 4G/5G/MEC software development and test automation.

REACH US AT:

US OFFICE: Santa Clara, CA, USA, +1-408-498-7067

HEADQUARTER: Kolkata, India, +91-33-4009-7177

DEVELOPMENT CENTRE: Bangalore, India

EMAIL: marketing@rebaca.com