

Witbe Monitoring Robot OTT & CDN Services



CRITICAL QoE & QoS KPIs

AVAILABILITY

Live channels, VoD, timeshifting, proactive check of all profiles, loop detection, authentication, unique URL generations, tokens, DNS, CDN HTTP redirection, manifest chunks

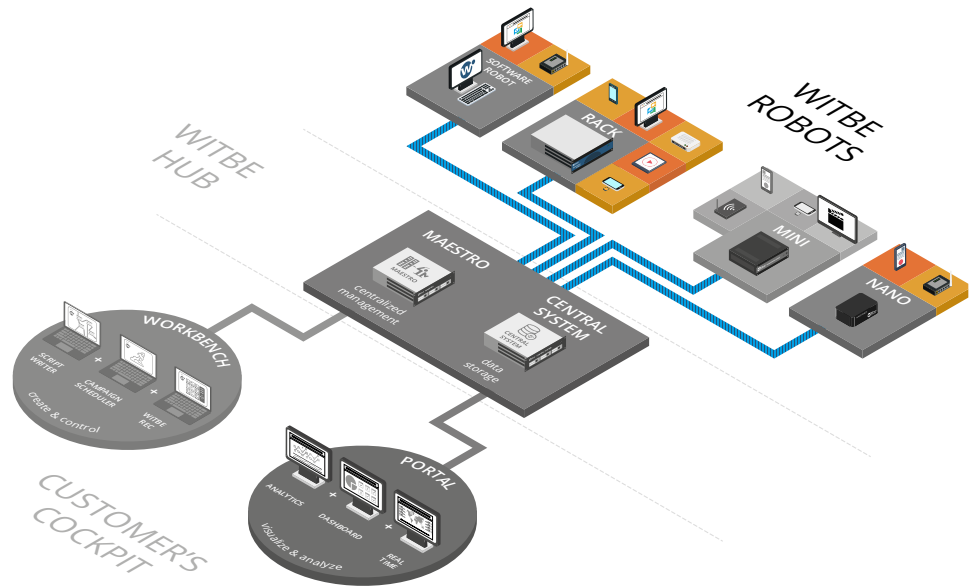
PERFORMANCE

Rebuffering risk, DNS lookup time, TCP connecting time, first byte reception delay, audio / video bitrates & download time, Smartping network performance index

INTEGRITY

Manifest file conformity verification, black screen / frozen screens / content loop / uniform color detection

PART OF THE WITBE GALAXY



KEY FEATURES

One robot to rule them all: leverage the Witbe Technologies to monitor any kind of OTT Streams (HLS, HDS, MSS, MPEG-DASH)



Clustering: combine several robots, and ensure a 100% monitoring coverage



Fully end-to-end: take care not only of your streams, but also of the whole transaction, authentication, and so on.



Non intrusive: place it anywhere, you only need to setup up manifest URLs to start testing (checks after the origin & CDN)



Real QoE Monitoring: the robots for OTT & CDN even check for videos' consistency by detecting frozen and uniform screen



BOOSTED WITH WITBE PORTAL



Witbe Smartping: map the bottlenecks of your delivery infrastructure, even in unmanaged networks



Centralized Management: easily create & manage all your OTT scenarios from the Witbe Portal



Witbe Earth: a 3D real-time alerting system, mapping the whole delivery chain, including CDNs, on one screen



Unified Results: compare any two tests on the same interface, and highlight the side-effects lowering your revenues



Nano
OTT & CDN Services



Rackable
OTT & CDN Services



Software Robot
OTT & CDN Services

BEST FOR



Performance testing after CPE in real end user environment

High density checks : all channels & all profiles continuous monitoring

Installation on a Virtual Machine (public cloud, private cloud, dedicated)

TEST INTERFACES

Ethernet	up to 1	up to 1	✓
WiFi	up to 1	up to 1	—
3G / 4G	up to 1 (data)	—	—
Capacity	50 tests sequential execution for performance testing	200 channels (manifest urls) tests performed in parallel	depends on VM's specs

SUPPORTED OTT TECHNOLOGIES

HLS	✓	✓	✓
MSS	✓	✓	✓
HDS	✓	✓	✓
MPEG-DASH	✓	✓	✓

MONITORING CAPABILITIES

Rebuffering risk detection	✓	✓	✓
Content loop detection	✓	✓	✓
Black / frozen screens detection	✓	✓	✓
Cluster mode	—	✓	✓
Authentication & tokenization	✓	✓	✓

AVAILABLE ALGORITHM ENGINES

Smartping	✓	✓	✓
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NETWORK ENGINES

IPMI Support	—	✓	N/A
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HARDWARE SPECIFICATIONS

Form factor	Nano (tabletop)	Rackable 1U	Software only
Dimensions (mm)	210W x 125D x 55H	427W x 365D x 45H	N/A
Weight	1.2 Kg	4.8 Kgs	N/A

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