

A satellite night view of Earth showing city lights and a network overlay. The network consists of numerous bright yellow and white nodes connected by thin lines, forming a dense web across the landmasses. The background is a dark blue space with scattered stars.

Broadband service
quality monitoring system

Beyond Monitoring BB

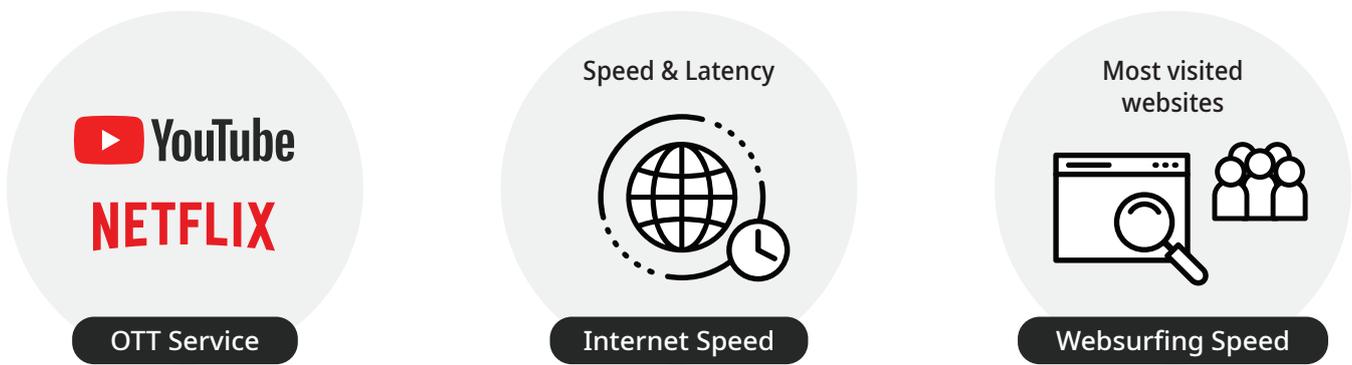
Beyond Monitoring BB

Broadband service quality monitoring system

Reflects subscribers' actual feeling quality

Beyond Monitoring BB monitors your broadband service quality based on your subscribers' actual feeling quality of using your service.

The system monitors your service with 3 quality indices.



Your benefits : Keep optimize your broadband

By using Beyond Monitoring BB, your Broadband service can be keep optimized for subscribers' actual demand.

1. Save capital investment : You can save investments which are not related to subscribers' major interests.
2. Minimize subscriber complaints : Beyond Monitoring BB monitors and analyze your broadband service 24/7. And an AI based analysis engine provide an alarm to your staffs/systems if your service level is or will be dropped.

System Composition



Alarming to your staffs/systems

Server w/ Dashboard

- (1) Probe Interaction : Control & Get data
- (2) AI based Analysis : Current & Prediction
- (3) Business Intelligence Reporting

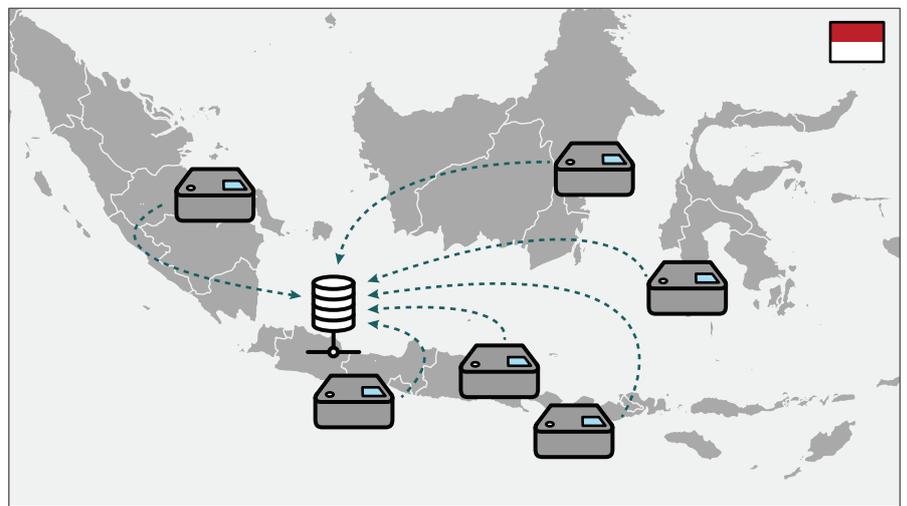
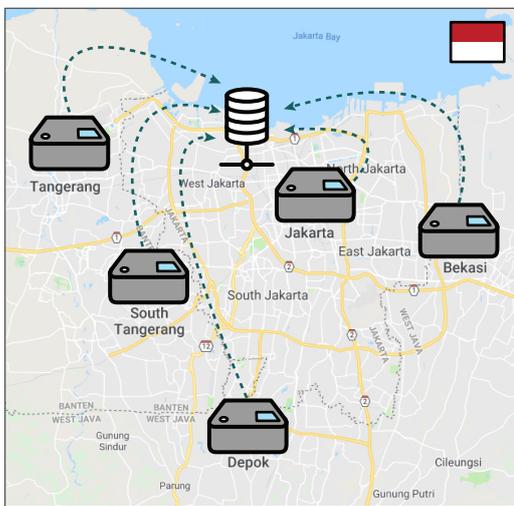
Probes

Broadband Monitoring

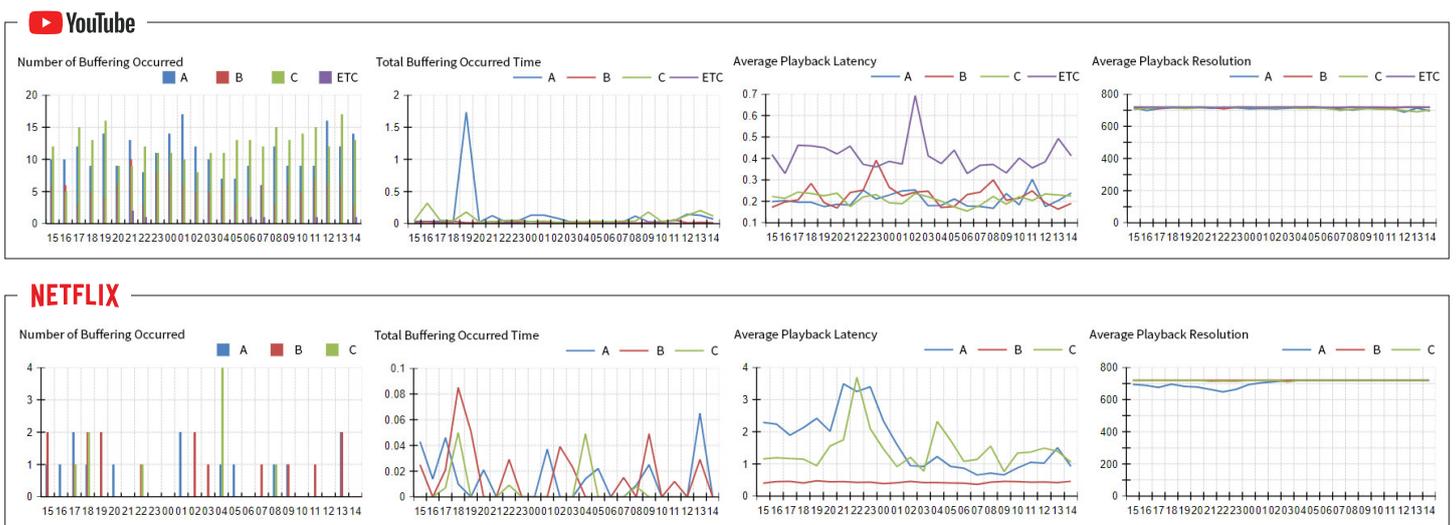
Monitoring Criteria

| OTT Service | Internet Speed | Websurfing Speed |
|---|--|--|
| Youtube and Netflix Only+ | 10MbE~1GbE or 1GbE~ 10GbE | Every websites can be measured |
| <ul style="list-style-type: none"> - Playback latency - Average playback resolution & resolution change trend - Number of Buffering occurred while playing | <ul style="list-style-type: none"> - Uploading/Downloading speed - Latency | <ul style="list-style-type: none"> - First paint time - Back-end duration - Front-end duration - Dom loading-complete time |

Application Example : Nation/Metro-Wide Monitoring



Case Study : Hourly OTT Monitoring results by service providers





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