Office Solution Technical Proposal

Rev.1 (3, Aug, 2018)

MACROKINETIC

Part A:
Trigger Video by QR

Requirement

Each QR code trigger one movie in server

Project movie in vertical display

Movie provided by user (need give them spec/limitation to produce their clips)

Movie over 50 clips

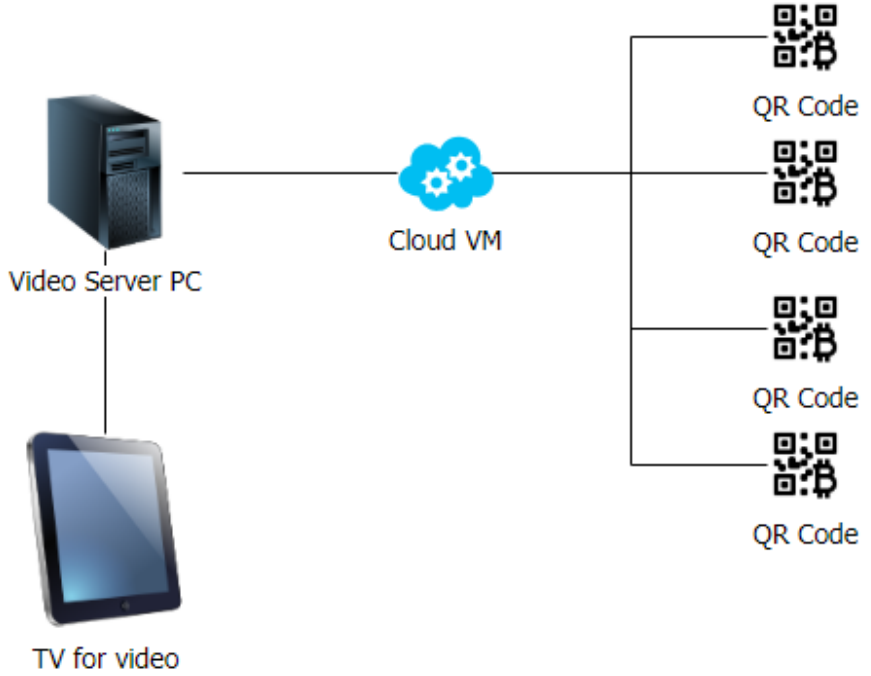
Suggested solution

Setup a **cloud virtual machine**

- Host a website for QR code destination
- A websocket server connecting to Video Server PC

Setup a **video server PC**

- Pre-loaded 50 video clips
- A custom app to play the videos
- Connect to cloud virtual machine with web-socket

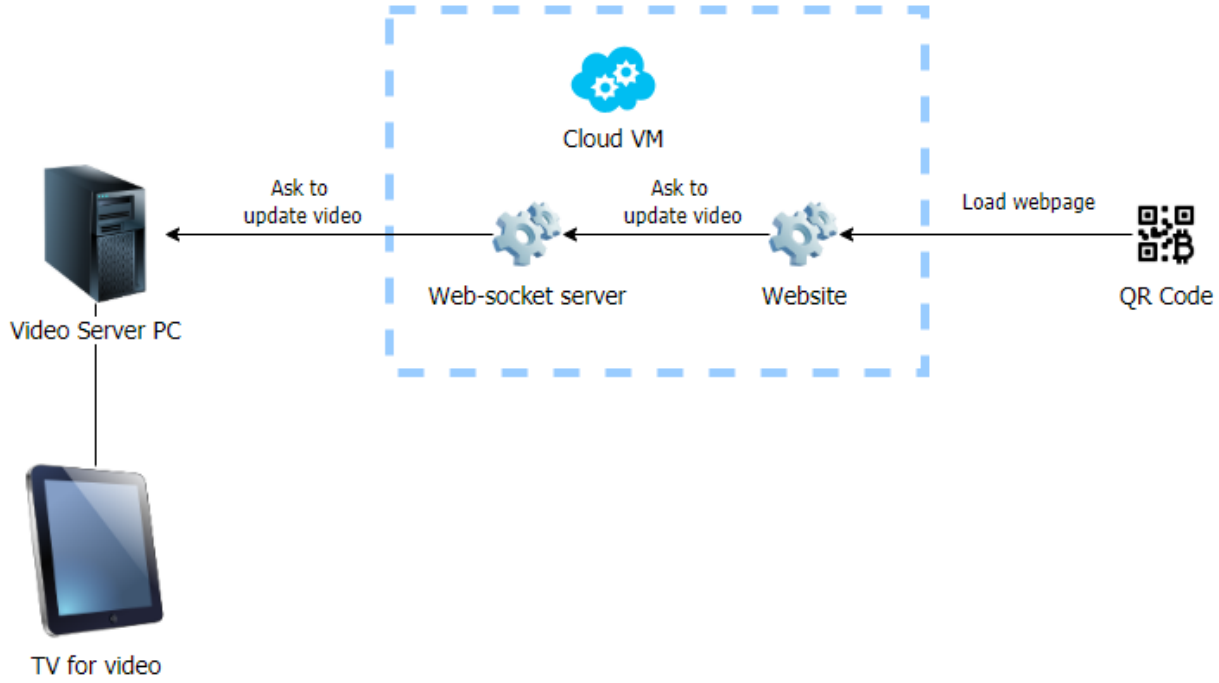


Suggested solution

Video Server PC always connect to web-socket server in cloud.

When user scan QR Code, the loaded website will trigger the web-socket server

The web-socket server will tell Video Server PC to change video.



Hardware list

Video TV x 3

(provided by client)

Video Control PC x 3 (Support 4K)

Cloud Virtual Machine x 1 (size could be small)

Hardware installation is excluded.

Software list

Mini-site in cloud VM, for 50 QR Codes and call web-server

Web-socket server in cloud VM, for trigger changing video

Video Playing App in Video Server PC, for playing the video

CMS in Video Server PC, for updating the videos and generate QR Codes

Due to tight schedule, may in 2 phase to deploy.

Phase 1: user manually copy video to pc without CMS and use hardcopy QR code to trigger

Phase 2: CMS ready and allow system to generate QR Code

Maintenance Plan:

- 12 months bugs fixing and upgrade

-12 months remote support

-5 times onsite support

Part B:
Room booking

Requirement

Same Floor:

Side A (wireless.or wires, as new install) 2 rooms

Side B (wireless, as existing) 6 rooms

display outside each room

One PC for server and control

Can book room by any staff in specific link/network

Suggested solution

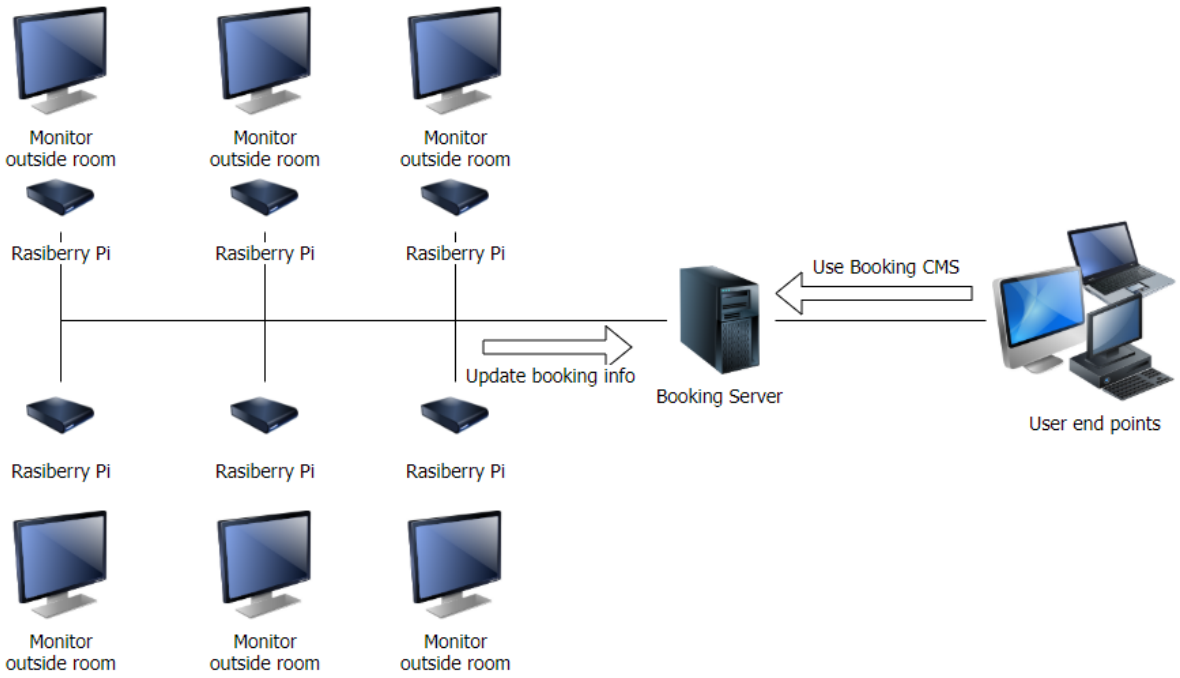
Setup a **booking server PC**

- Host a CMS for booking system
- Host a API for update the monitors

Setup a **Raspberry Pi** outside each room

- Connect to monitor by HDMI cable
- Load API for updating the screen

All could be accessed through intranet only



Hardware list

Booking Server PC x 1

HK$9,800

Raspberry Pi x 10 (2 as spare)

HK$880 x 10 = HK$8,800

Monitor outside rooms x 8

Provided by clients

Hardware installation is excluded.

Software list

Booking room CMS in booking server PC, provide UI for booking rooms

Booking room API in booking server PC, for Raspberry Pi to update the information

Booking room info display App in Raspberry Pi, for checking status of the room and show on screen

This is standalone solution. Not yet include integration (e.g outlook integration).

If necessary, quote separately is required.

Maintenance Plan:

- 12 months bugs fixing and upgrade

-12 months remote support

-5 times onsite support