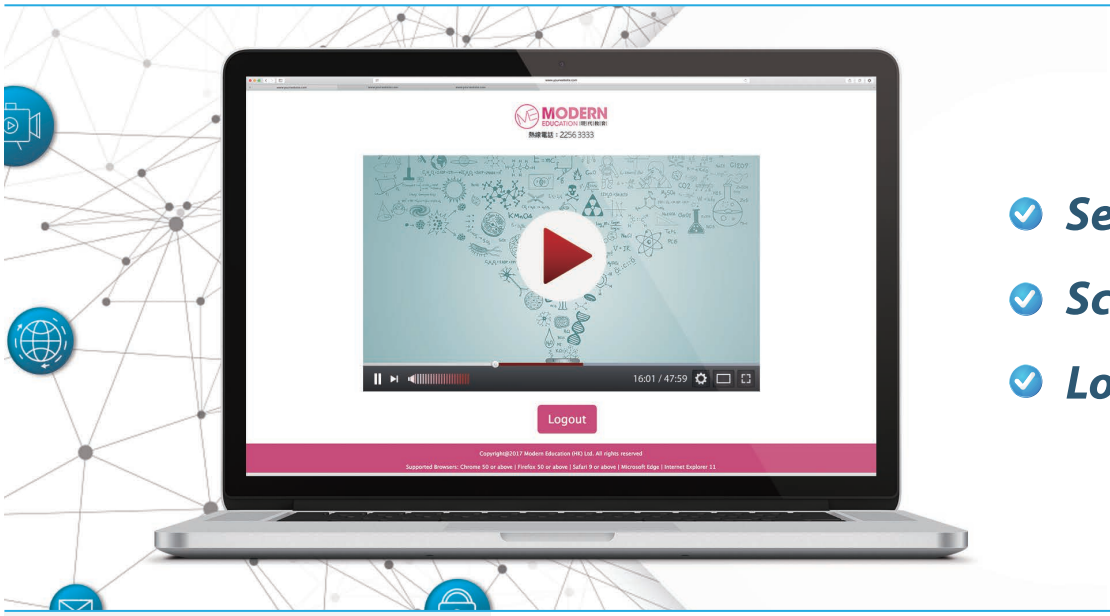
Fengqi Asia
Web Development Service

Case study

fengqi.asia
風 起 亞 洲

Tutorial Class Video on Demand



- **Secure**
- **Scalable**
- **Low cost**

Modern Education's Goals

- Reduce teaching costs by moving courses to the online space
- Prevent downloading of course materials via a secure channel
- Build a video-on-demand system that is accessible only to subscribed students

Client:	Modern Education
Location:	Hong Kong
Segment:	Education
Website:	www.modern.edu.hk

Background

Modern Education is a popular tutorial centre in Hong Kong. It was one of the earliest to the market and remains a key player. Like every player in the industry, it is now faced with industry-changing challenges. First, the ever-increasing rent has greatly raised the cost of hosting tutorial classes in physical centres. Second, the online learning trend has changed the way students consume content.

In response, Modern Education decided to shift some of its courses from the physical centres to the online space.

Challenges

Modern Education planned to create a sustainable way to deliver their video courses online securely, reliably, and affordably. A customised system was to be built to fulfil their specific requirements.

Since the online course materials were very important assets of Modern Education, they demanded complete control over their distribution. A public sharing site such as YouTube and Vimeo was therefore never an option.

Modern Education needed an experienced team of engineers to build a private channel in the cloud that was easy to manage, accessible to only subscribed students, reliable and elastic enough to handle traffic spikes.

Solution

Based on the needs and concerns of Modern Education, we built a video-on-demand system leveraging the technology of public cloud and content delivery network (CDN).

We applied unique rule engines and authentication features of VDMS Edgecast CDN to give Modern Education control over their content. Also, we built multi-CDN support for this solution as an added protection for high availability of service. Our in-house Fengqi Asia Cloud provides low cost but high performance, reliable cloud servers as the backend of this system.

The video-on-demand system is highly scalable, able to handle traffic surges with no compromise to its performance. The delivery of content is fast and smooth at all times.

Technologies used

- Fengqi Asia Smartmachines
- VDMS Edgecast CDN service

Fengqi Asia Web Development Solution

- ✓ Online Storage
- ✓ Fengqi Asia Public Cloud Hosting
- ✓ VDMS CDN
- ✓ VDMS Rule Engines
- ✓ VDMS Authentication Features
- ✓ Multi-CDN

Benefits

- ▶ Maximise value with strong return on investment and reasonable pricing model
- ▶ Ability to control distribution of video lessons
- ▶ Improved security and manageability

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