



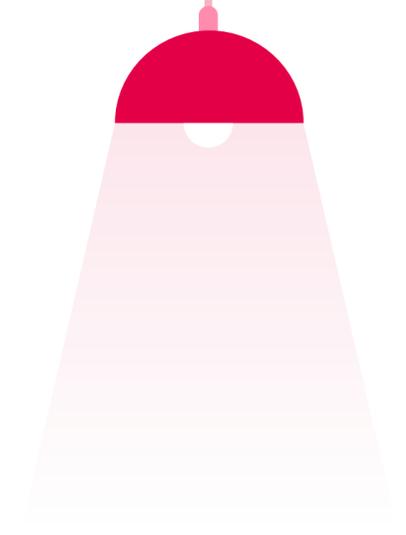
# FydeOS Enterprise Solution Case Studies

Case 1

# Laptop for online classes in remote areas

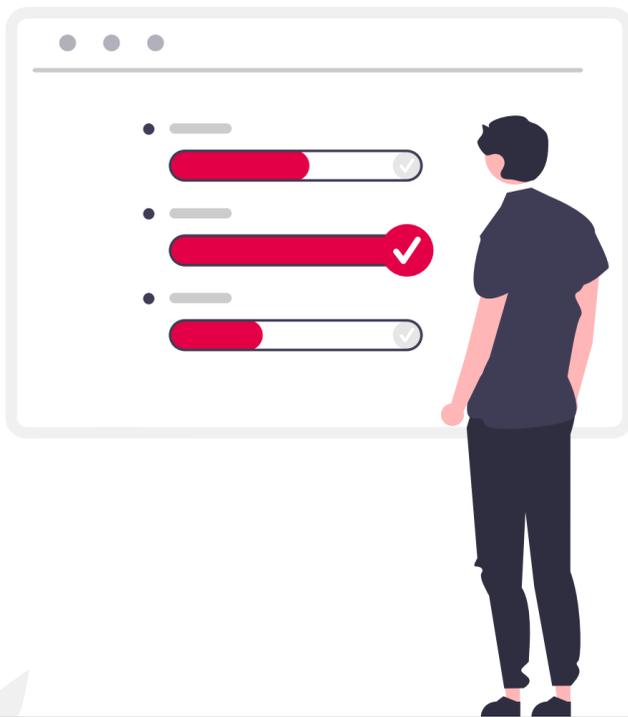
# Overview

In the wake of the pandemic, sales of electronic devices like PCs climbed globally in early 2020. In response to the Ministry of Education's call for "Organising safety production and learning under the pandemic", like every other country on the planet, Chinese students across the country had to begin studying on the cloud. Lack of suitable equipment and internet access prevented students in less developed areas from accessing quality education or any education at all.



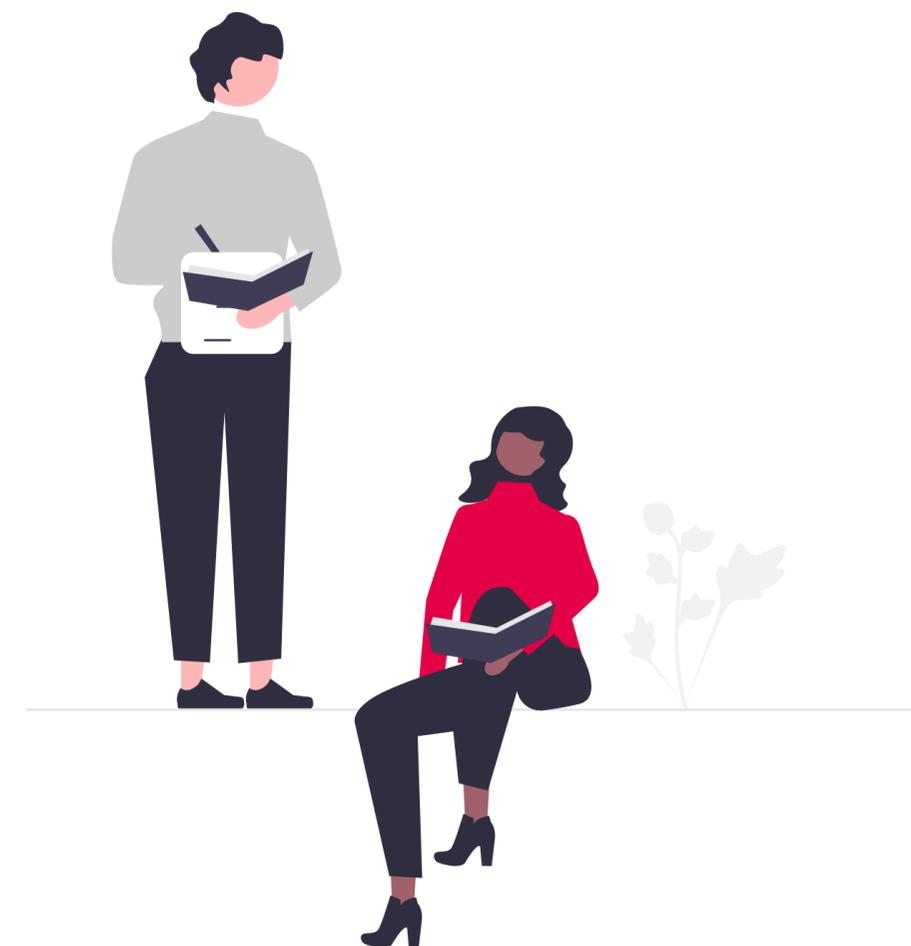
# Provided **solution**

┌ In collaboration with a local charity organisation, we created an affordable learning device for students in need. As a cloud-first operating system, FydeOS runs smoothly even on very basic hardware. For just a few hundred CNY, students can have a laptop that can be used for online classes. We created a notebook based on the entry-level RK3288 SoC in our partner's inventory. This SoC was targeted for the mobile arena in the first place. Due to its frail performance, desktop computers manufactured using this chip have had difficulty selling; running other operating systems on it is hardly a smooth experience. With FydeOS, it is more than sufficient for online education. └



# Final result

To ensure a smooth experience, we customised the device with a special version of FydeOS that does not allow any other apps to be installed except for video conferencing and other essential tools for education. A wide range of learning materials is also available with this special version of FydeOS, supported by our educational partners. Normal schooling life could be resumed once we had deployed these devices to schools; they were well received and applied by the students and their parents.





Case 2

# International school

# Overview

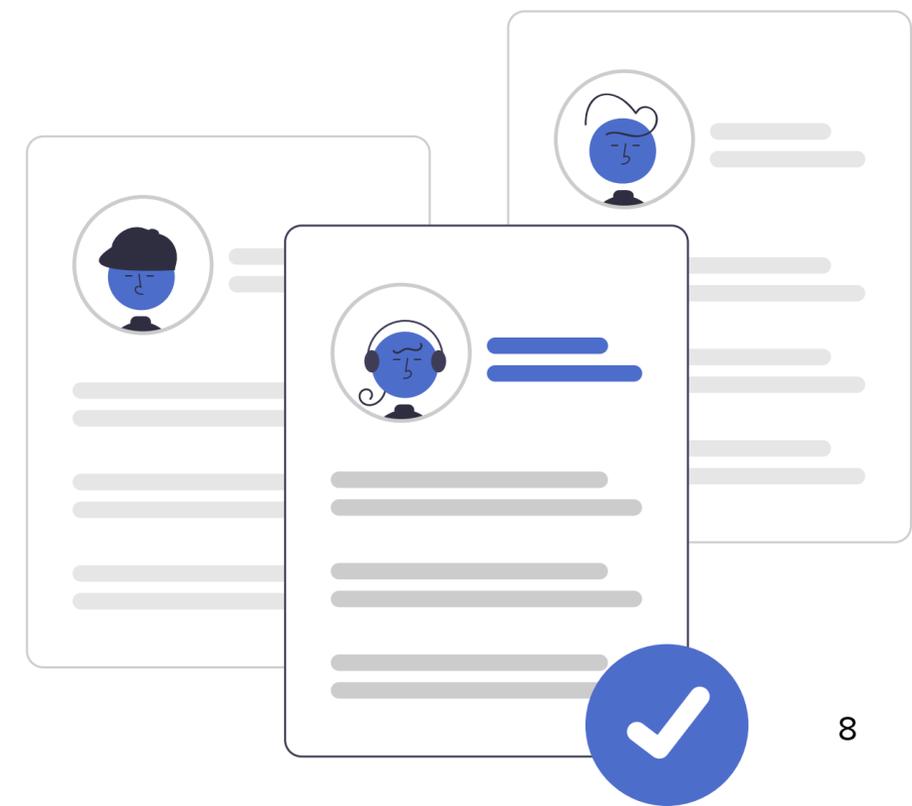
In recent years, international schools have proliferated in China. According to statistics, by the beginning of 2020, there will be nearly 1,000 international schools nationwide. International schools have a curriculum aligned with the west and specific hardware and software requirements that differ from those of local schools in China.

Schools still heavily use Apple devices but face several problems, including high maintenance costs, rapid product changes and a lack of customisation options. Many of these schools have an intense desire to find better solutions.

Chromebook is one of the most popular educational solutions outside of China. Between 2012 and 2019, Chromebook grew from zero to 38 nations across five continents, with 40 million students and educators worldwide using Chromebook, and the numbers continue to climb.

During the pandemic, Chromebook shipments hit an all-time high of 11.6 million units in a single quarter and are expected to reach 20 million units for the year, with a 12.8% market share.

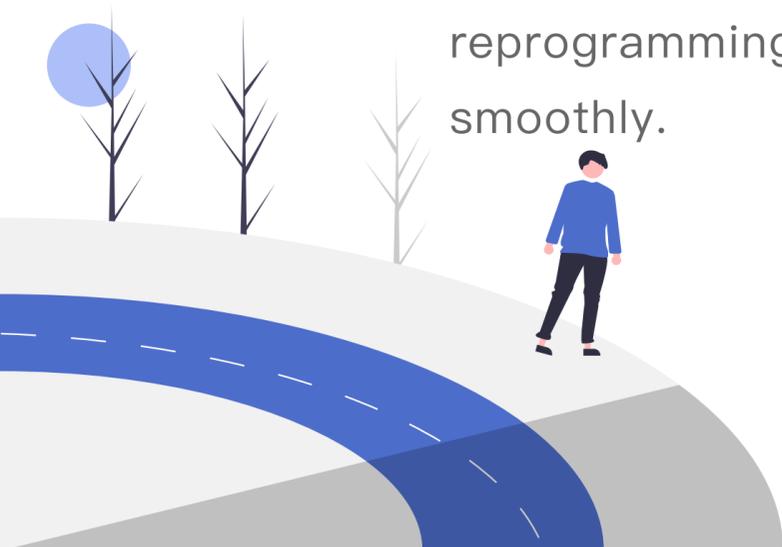
The New York Times has published a feature story saying that Google is dethroning Microsoft's dominant position to rule the education market and is laying out a plan to capture the future of not only the education market but the entire PC market by getting young adults used to Chromebooks.



# Provided solution

Similar to Chrome OS, FydeOS has obvious advantages in the educational setting. We implemented a full suite of customised solutions in an international school in Shanghai.

- **Hardware:** The system is designed to be compatible with existing teaching equipment in schools, allowing all teaching hardware, such as electronic whiteboards, teachers' terminal devices, and students' terminal devices to be efficiently connected. Simultaneously, many high-maintenance tablets were phased out in favour of FydeOS 2-in-1 devices, which are better suited to school.
- **Software:** FydeOS combines the school's hardware to create a multi-media teaching system that includes online teaching, course works synchronisation, homework, and other capabilities, allowing teachers to engage with students via text, pictures, videos, and so on.
- **Application:** For some specific tablet apps, schools receive technical assistance in reprogramming them as PWA or Android app, allowing schools to transfer smoothly.



# Final result

FydeOS serves the needs of international schools for online education by reducing purchase and maintenance costs while bringing teaching solutions closer to students' interests in learning and improving quality and efficiency. Innovative ideas such as enjoyable teaching, interactive teaching, and online teaching align with international standards; Students can also build a good foundation for future study abroad.



Case 3

# Co-working space

# Overview

Co-working spaces are sprouting up alongside the growth of entrepreneurship.

According to Ai Media Consulting, the co-working business is worth approximately 126.72 billion yuan and is predicted to reach 400 billion yuan by the end of 2022.

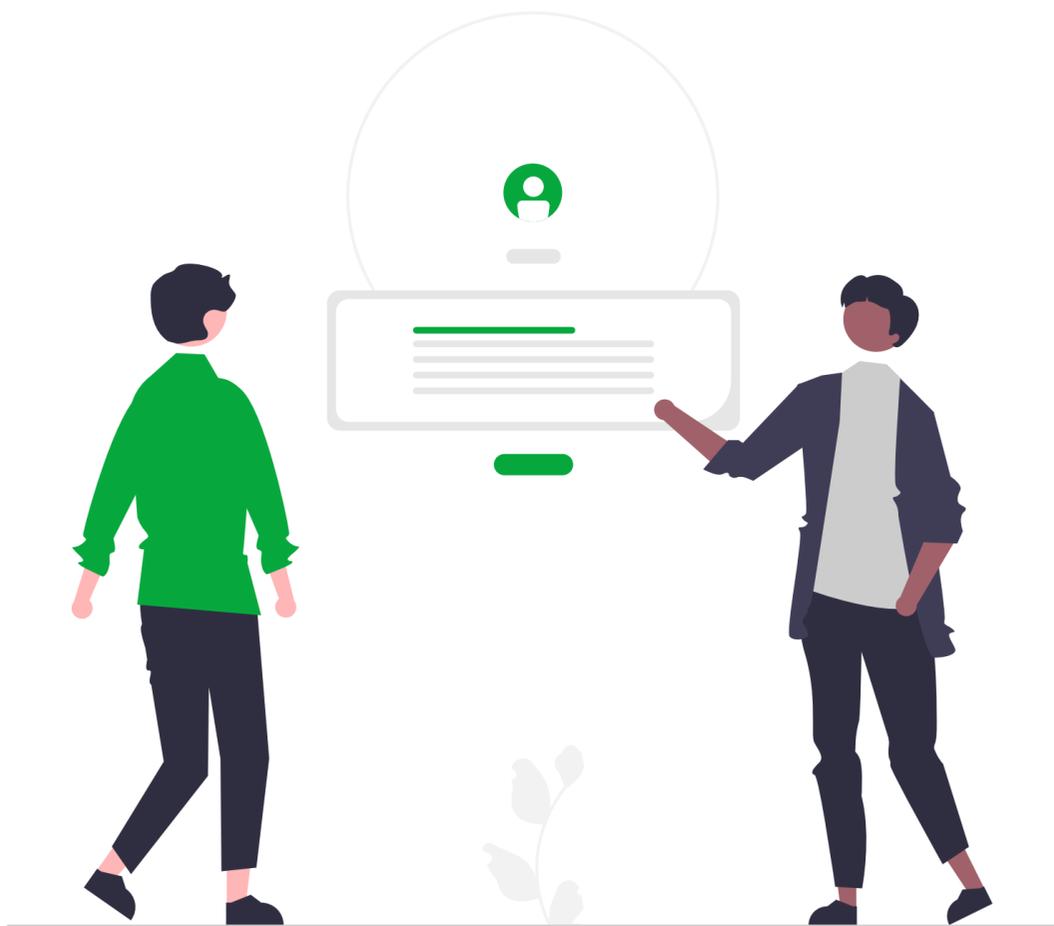
Following the reorganisation, the co-working business is progressively transitioning from "space-enabled" to "service-enabled." The office environment will become highly efficient and intelligent as cloud computing continues to evolve and massive 5G adoption. Many businesses, particularly IT and technology-related firms, have already realised intelligent offices.

In the coming years, co-working will significantly increase employee productivity and motivation with its sophisticated elements.



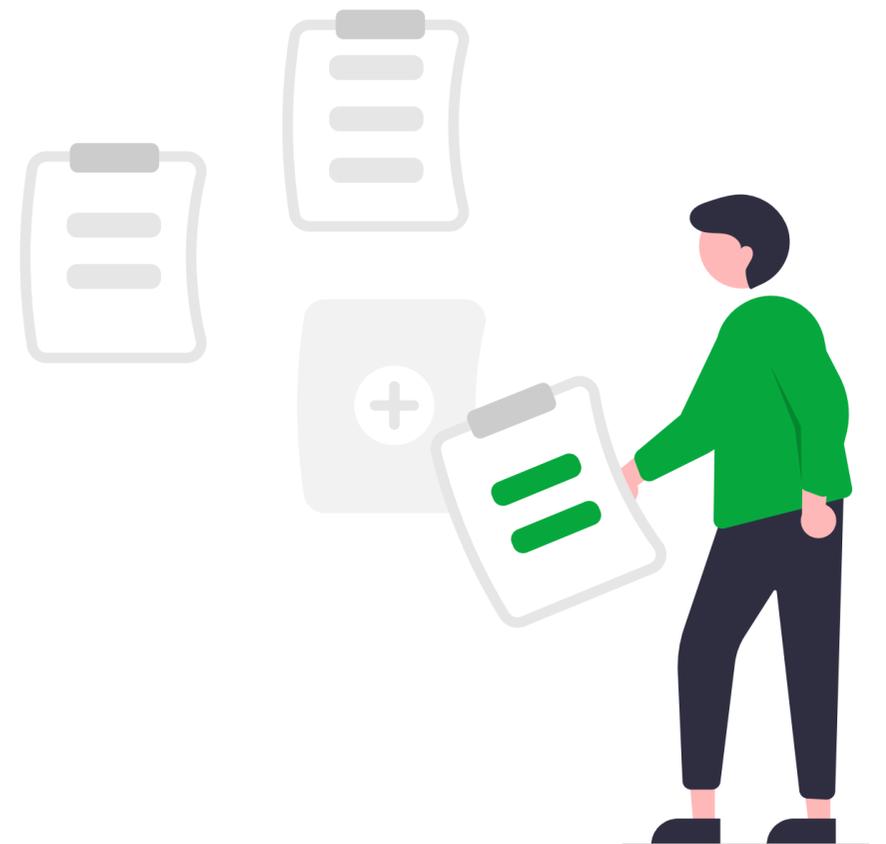
# Provided solution

FydeOS has developed an intelligent desktop device for a co-working space, which is primarily separated into the tablet and 2-in-1 devices. Office users with temporary office needs can use the device in the public space to log in immediately in guest mode to surf the internet, respond to emails and so on. Meanwhile, users can create an account to log in, and all preferences and data will be synchronised in the cloud. They only need to log out of the account when they want, which does not affect the following users, resulting in a really intelligent office.



# Final result

The technology saves businesses money on hardware costs and empowers co-working spaces. FydeOS enables shared offices to deliver next-generation intelligent services innovatively, lowering costs, increasing efficiency, and genuinely realising service empowerment.





Case 4

# Digital film distribution

# Overview

The development of the domestic film industry in recent years has led to a surge in cinema numbers, making licensing and distribution challenging. As transmission technology advances and regional infrastructure expands, the use of dedicated content distribution networks in cinemas has risen.

China's leading digital film distribution platform planned to build a dedicated system to make receiving content and to perform pre-screening tasks more efficient.

The system must be dependable and provide an easy-to-use UI for operators while keeping the content source secure. By doing so, they also wanted to confirm the status of all online devices and be able to manage them remotely.

The original plan was a simple modification of the open source Linux with the designed software running in a container. After implementation, cinema managers complained a lot about the complicated interface and lengthy process they had to take, putting high pressure on the platform's customer service department. They didn't embrace this solution because it lacked efficiency and functionality.



# Provided **solution**

FydeOS provides a highly adaptable interface that can swiftly react to changing circumstances, such as deleting extra user components, blocking high-risk operations, and making applications and features to execute.

It also offers a complete and robust container runtime environment directly compatible with the prior solution and effectively delivers the operator's simple user interface of the system's primary browser application.

FydeOS includes a full Linux kernel that can handle the need to read and write to several hard drives while also responding to the complex network environment seen in cinema. Furthermore, FydeOS offers robust centralised and cloud management capabilities that can simultaneously satisfy the needs of over 10,000 devices online and respond to customer requests for real-time technical assistance and remote control.



# Final result

The approach takes advantage of the benefits of FydeOS, is more user-friendly than prior solutions, and integrates flawlessly with the supported cloud services.





# Thanks

