



## Abstract

### Customer Profile



中国移动通信  
CHINA MOBILE

Company	China Mobile Group Chongqing Co., LTD
Industry	Communication Operator
Country	China
Website	<a href="http://www.10086.cn/cq">www.10086.cn/cq</a>

### Solution

Centerm thin clients  
+  
CT Vision Virtualization

### Deployment Scale

**700+ units**



# Case Study

## China Mobile Group Chongqing Co., LTD

*Centerm desktop virtualization solution has helped China Mobile Group Chongqing Co., LTD step into a brand new cloud computing time.*

## Customer Comments

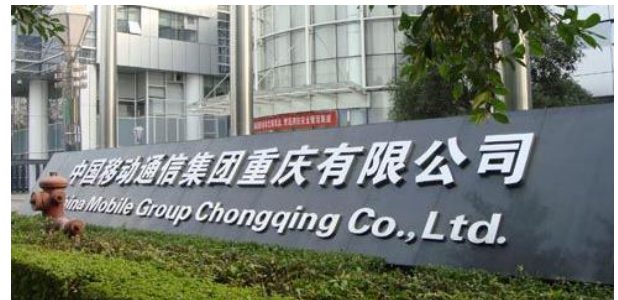
*"The staffs can access the virtual desktops from anywhere and at any time now while the IT administrators only need to maintain the virtual desktops stored in the data center; Company data is much safer with centralized management and the total costs are reduced greatly."*

----- Dong Liu,  
IT Manager of China Mobile Group Chongqing Co., LTD

## Introduction

China Mobile Communications Corporation (CMCC, hereinafter referred to as "China Mobile"), was founded on April 20, 2000 and is a Mobile operator based on GSM, TD-SCDMA and TD-LTE network. China Mobile wholly owned China mobile (Hong Kong) group co., LTD who has set up many wholly-owned subsidiaries in domestic 31 provinces and Hong Kong, and got listed in Hong Kong and New York.

China Mobile Chongqing company is a wholly owned subsidiary of China mobile (Hong Kong) co., LTD, and was established in September 9, 1999. For a long time, China Mobile Chongqing company actively committed to the mobile communication enterprise's technology innovation, business innovation and service innovation. Its huge communication network has basically achieved all the three-dimensional and seamless coverage of Chongqing, and it has opened the related international roaming business with 237 countries and regions and 387 operator. China mobile Chongqing company has played the role of a leading operator enterprise in Chongqing communication development and public services. By the end of 2008, the number of the customers of the three big brands Go-tone, M-zone and Easy-own of China mobile Chongqing company had exceeded 12 million.



## Challenge

- ◆ With the enlargement of the scale, also as the "infinite" expansion of IT resources, IT management department is facing the predicament of lacking of effective management for large-scale desktop devices;
- ◆ There is inconformity of IT resource use efficiency---some system storage repeatedly expands capacity while some system may still have spare space, but IT can't achieve resource sharing;
- ◆ Data loss caused by difficulties of large-scale management resulted in intangible loss of Company;
- ◆ Along with the sharply rising of IT comprehensive costs, the upgrade, maintenance and energy losses of those many devices brought not small burden to the enterprise

## Solution

**Components :** CT Vision, Centerm Cloud Computing Terminals (number: 700)

### Application Scale:

First phase: 500 virtual desktops used in call center;

2<sup>nd</sup> phase: 200 virtual desktops used for OA.

#### ● **CT Vision Powered by VMware View:**

Desktop virtualization software products co-developed by Centerm Information and VMware

It inherits all the world's most-leading virtualization technology of VMware View, and fuses with Centerm Information technology accumulation in China Market, perfectly adapting to China customers' desktop demands.

#### ● **Cloud Computing Terminal**

Thin Client products which are more suitable for desktop cloud solution launched by Centerm Information.

## Targets

- Establish 200 users' virtual desktop pilots for part of the staffs.
- Adopt DSFW as the domain certification system of the virtual machines in the projects
- Realizing multiple terminal access ways, including: PC, thin clients, Ipad, Iphone, etc.
- Realizing the unified security evaluation, security classification and access management for the physical machines and virtual machines;
- Realizing desktop virtualization acceleration technology for dynamic multimedia applications like audio and video, etc.
- Fuse the security management of virtual desktops into the centralized security management platform, realizing unified security management.
- The call center with more than 500 seats adopts Centerm self-developed two-way voice technology with virtual desktops to meet customers' demand.

## Benefits

### Secure and Reliable

- Unified access of real machine, thin client and iphone / ipad devices, and dynamic security access ensures the security of desktop cloud devices and users;
- Unified upgrade of security software and virus database without user intervention and only secure intranet access allowed strengthen the safety level of the virtual desktop system;
- Unified management of virtual desktops can effectively standardize software usage on the virtual desktops
- Company sensitive data are stored in the virtual desktop, and users can't put these data to real terminal or USB stick, which prevents the loss caused by leaking of the company's important data.

### Easy to use

- With the optimized desktop interaction protocol, users' operations in virtual desktops are in complete accord with real desktops; users can well use audio and video applications, effectively improve users' perception
- With USB KEY control, users can choose independently to operate in real machines or virtual desktops; thus work is completely separated from entertainment, improving work efficiency
- Realizing desktop roaming---with the aid of the network cloud, users can connect to the virtual desktop to process work through PC, mobile phones, laptops and other terminal devices in any environment;

### Green System with low costs

- Energy conservation and emission reduction
- Purchasing costs saving
- Replacement costs reduced
- Energy consumption reduced
- Management and maintenance costs reduced