

Succendo in China Power Finance, Ltd.

Success Story



BACKGROUND

China Power Finance, Limited is a non-banking financial institution approved by the China Banking Regulatory Commission. The company's stockholder includes State Grid Corporation of China (SGCC) and various power grid companies. The company's registered capital is 5 billion Chinese Yuan. Currently, China Power Finance, Ltd. comprises of 5 regional branch offices in Dongbei, Xibei, Central China, East China and North China; 24 operations departments at the province level with 900 employees. The company provides services such as fund settlement, deposits, loans, financial leasing, acceptance of checks, discounts, bond consignments, securities investments and financial consultancy to members of SGCC and all entities approved by the China Banking Regulatory Commission.

With a modernized target for the establishments of financial enterprises based on the motto "One Strong, Three Excellences", the company utilizes advanced information technology and sports modernized management ideals so as to give strong returns to its shareholders, provide its employees with a fine livelihood and service satisfaction to its clients.

With China Power Finance, Ltd.'s background and high expectations in mind, O₂Security utilized past experiences to provide a secure remote access solution, ensuring normal operation of China Power Finance, Ltd.'s businesses via an information-based build-up.

ANALYSIS

At its headquarters, the management of China Power Finance Ltd. is mainly concerned with ensuring the normal operation of the enterprise under abnormal situations, expanding the enterprise's influence, strengthening the competitiveness of the enterprise and creating additional value for the company through an information-based structure and administration of the company's internal operations.

Customer

China Power Finance, Limited

Industry

Financial

Business Challenge

Needed diverse, remote access to the enterprise network, including access from all branch offices across the nation. External network connection should be an extension of the enterprise's existing system.

O₂Security Solution

Succendo SSL VPN Gateway

Benefits

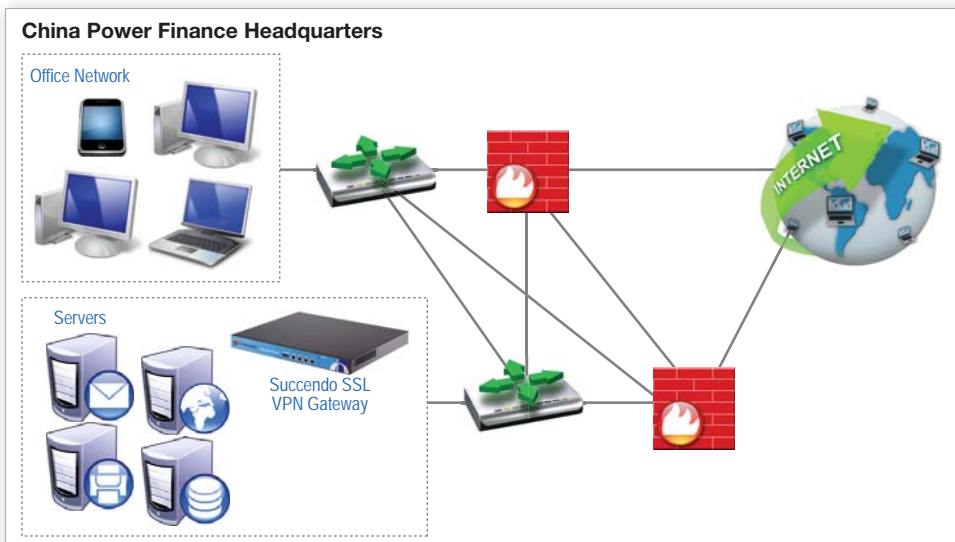
Succendo SSL VPN greatly extends usability of the internal network while effectively enhancing its security capability for emergency situations, thus strengthening an enterprise's competitiveness.

The following requirements were concluded based on our exchanges with the management at China Power Finance Ltd:

1. Remote access to the enterprise includes access from all branch offices located across the nation. Both mobile office and local employees must be able to access the internal servers securely. Hence, network connection should directly make use of the Internet with low-cost bandwidth access.
2. The external network connection should be an extension to the enterprise's existing information system. Hence, the deployment of the system should not require large adjustments to the existing network topology.
3. Providing for a diversity of users, including employees from the various branch organizations, mobile office users, local users requiring access to the resource servers, etc. Hence, the platform must be able to differentiate between the different users.
4. Regardless of how various system functions will work, ultimately they have to be operated by human. Operating and maintaining the system should therefore be kept simple, and does not require a large investment of manpower for training and system management.
5. Effectively logs all user operation and information when accessing the internal network. Also provides general statistics based on logged data.

The Succendo SSL VPN device solution fulfilled all day-to-day operations requirements from the China Power Finance, Ltd. It established an SSL encrypted secure tunnel between the client and the resource, ensuring true end-to-end access security.

DEPLOYMENT



Succendo SSL VPN secure remote access gateway connects to the enterprise's internal network in bypass mode. NAT is configured on the enterprise's Internet firewall such that all external users accessing the internal resources must be relayed to the Succendo SSL VPN gateway.

After deployment, user access is carried out as follows:

- Using any workstation with an Internet connection, branch organization users

or mobile users enter a specified login address on their web browser.

- After establishing the SSL VPN tunnel, the user will be able to access all authorized internal resources based on this user authority.
- Users within the internal domain can directly access an internal address using a web browser, providing control granularity and access security through the SSL VPN device's encrypted tunnel.

CONCLUSION

The Succendo SSL VPN device solution fulfilled all day-to-day operations requirements from the China Power Finance, Ltd. HQ management by:

- Establishing an SSL encrypted secure tunnel between the client and the resource, ensuring true end-to-end access security. Data is non-transparent while in transmission through both the internal network and the Internet. All operations on the resources are encrypted and client's identity verified before allowing the operations.
- Configuring different user groups with different levels of access through the use of an extremely fine granular access authorization and control capability. Each remote user is only allowed to access their specific set of resources after authentication.

Using SSL VPN to establish connections. This directly activates the internal application systems and avoids any connection operations on the network layer, so hackers cannot determine the internal network topology of the application systems, hence enhancing the security of the internal server group.

In conclusion, Succendo SSL VPN greatly extends usability of the internal network while effectively enhancing its security capability for emergency situations, thus strengthening the enterprise's competitiveness.

ABOUT O₂SECURITY

O₂Security Limited is a subsidiary company of industry-leading analog and digital IC chip designer O₂Micro (NASDAQ: OIIM). O₂Security provides complete, comprehensive security solutions that are easy to use and maintain. Since its inception in 2003, O₂Security Ltd. has consistently developed highly-anticipated products that meet the needs of the network security industry. Nearly 70% of its research capital goes into developing new products and enhancing existing ones to meet current market trends.

O₂Security Ltd. has service offices located in many regions around the world including; the United States, Taiwan, Singapore, Malaysia, Indonesia, Philippines, Vietnam, Thailand and various locations in China. This allows us to provide localized and on-site support to our clients, gather information on security issues and emerging market trends on a global scale, continually improve and develop new products in response to market changes and meet the needs of our customers.

O₂Security

3118 Patrick Henry Drive
Santa Clara, CA 95054

Tel: 1.408.987.5920

Fax: 1.408.987.5929

www.o2security.com

Email: sales_us@o2security.com

support_us@o2security.com
