



Linu
BUSINESS AWARD
《Linux商業大賽》**2005**

Category A2

Infrastructure Building & Communication Application

Merit Award Winner

Case Study

Featured Hong Kong St. John Ambulance

Case Study Hong Kong St. John Ambulance



Company Background

A charitable organization with over 5,000 volunteer members and a long history stretching back over a century, Hong Kong St. John Ambulance is dedicated to provide First Aid and ambulance services in emergency, dental care for the handicapped, and courses of instructions on First Aid and Home Nursing for the general public. With its motto, "For the Service of Mankind", Hong Kong St. John Ambulance aims at becoming the Centre of Excellence in the provision and education of First Aid and Home Nursing for the people of Hong Kong.

Business Objective and Motivation of Implementing Linux Solutions

For improving the efficiency and effectiveness of daily operations, Hong Kong St. John Ambulance implements mail server, holiday module and attendance module.

This implementation establishes a stable operation system for web application. With an Open Source platform, it enhances further development.

By applying this solution, annual maintenance and future operation system upgrade can be done in a cost saving way.

Below are some highlights of St. John's Linux Loyalty System:



Implementation Strategy

In the initial stage, Hong Kong St. John Ambulance builds email server and holiday module with Linux operation system. After users adapt to employ Linux based application, other servers and/or applications can migrate to the cost effective Linux platform for minimizing maintenance cost.

Implementation Process:

The implementation plan for this project involves the following milestones:

- Secure email server with holiday module under Linux platform meets the cost-effective and stable criteria.
- Depend on the availability of fund, further consideration on continually employing stable Linux platform to develop new applications or migrating existing applications in the future.

Innovative Areas

As it is a truly web-based application, we can access to the system anytime and anywhere by a user-friendly interface. Besides, we have applied centralize web server, application server and database server in a single Red Hat server with 99.7% up time over 3 years. The included functions are email server, vacation application, attendance application connected to access control system, user and group administration and website.

Technology and Methodology Employed

TCP/IP Protocol, Tomcat, Java Development Kits(JDK), Apache Red Hat 7.0, J2SE



St. John Ambulance is dedicated to provide First Aid and ambulance services in emergency

This solution is honored the Merit Award under Infrastructure Building & Communication Application Category of the Hong Kong Linux Business Adoption Award 2005.



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ACISE TECHNOLOGY LIMITED

Headquarters

Flat A, 23/F, Max Share Centre,
367-373 King's Road, North Point, Hong Kong
Tel 852. 2856 3710 Fax 852. 2856 1707

Email info@acise.com

Website www.acise.com

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