

# Legislative Yuan improves information security and access with HP OpenView Select Access Solution



“The deployment of the digital certificate service has been well received by legislators who liked the convenience of single sign-in access for all their information needs.”

Dr. Hsi-Young Chen

Director

Legislative Yuan Information  
Technology Department





The Legislative Yuan has recently launched its Public Key Infrastructure (PKI) digital certificates and verification services. The objective is to integrate firewall, VPN, MIS systems, entry access control, personnel identification and video system into a single IT architecture. Dr. Hsi-Young Chen, Director of the Legislative Yuan's Information Technology Department, said that it is now possible for all legislators to securely access the organisation's information network over the Web and conveniently through a single sign-in PKI verification service. The service can be accessed from the legislators' 223 service locations using their 3,500 integrated circuit Identification Cards. HP OpenView Select Access Solution forms the core of this infrastructure.

To promote convenient access to public information, the Legislative Yuan's Information Technology Department has been systematically introducing information-related services relevant for the public. A Certificate Management Center has been set up using digital certificates to maintain control over the public network.

For the e-mail certification of its staff, the Legislative Yuan combined Identification Card with PKI certification. This method provides a certification and authorisation mechanism to meet the needs of information security and privacy protection. As Dr. Chen pointed out, "the achievement of information security is either 100% or nothing".

### **Tightening information security through digital certificates**

Through a combined IC card and PKI certification model, the confidentiality; integrity and authentication; and non-repudiation of data are maintained. The same card used for entry access and certificate chips reduces the risk of counterfeiting. Encompassing a 3-in-1 package that integrates personnel identification, bio-identification, and administrative control, the IC card is both secure and convenient. The digital certificate and verification services can be applied to the e-mail system, as well as other information application systems within the Congress. One such application is the Legislative Yuan website. It contains voters' services, knowledge management system, the on-demand video multi-media system, the legislature multi-media system, the video conferencing system, electronic document applications and the central government overall budget review system. All these applications are key in the Legislator office's daily operations.

In the past, managing access authorisation in information systems was both cumbersome and complex. It typically requires the expertise of both internal IT staff and vendors. This created the potential for security loopholes and other associated problems. Now, with HP OpenView Select Access, the IT department needs to only concentrate on maintaining the system's features and functions, while management is responsible for assigning access authorisation. Easy-to-implement, the HP OpenView Select Access solution is also easy to use. Staffs without any prior experience are able to effectively use the system following a short introductory session.



---

**HP OpenView Select Access Solution increases productivity and is scalable to meet Legislative Yuan future needs**

Following implementation, the Digital Certificate and Identification Services have received positive feedback from users. Dr. Chen credited the success to the proactive nature of the services offered. Effective problem solving, systematic education and training also contributed to effective deployment. Most importantly, the current system provided legislators with quick and simple access to accurate information in a fully-secure environment. This translates to the Legislative Yuan providing better and more effective legislative services to the public.

HP OpenView Select Access can assign different access authorisation levels to different staff for the purposes of information access and storage. Dr. Chen is fully confident that the Legislative Yuan network is now highly secure. The risk of hackers, viruses and spam corrupting data is now minimised because of limited access to various parts of the information architecture.

With the information library organised, the new system improved overall productivity and reduced cost. Dr. Chen said, "The deployment of the digital certificate service has been well received by legislators who liked the convenience of single sign-in access for all their information needs."

As the requirements of the Legislative Yuan become more complex, they need a trusted and reliable vendor and capable solution to improve their information architecture. HP OpenView Select Access Solution was selected to create and maintain a safe network environment for the Legislative Yuan.

## Challenges

- Voters and legislators found it difficult to access accurate and relevant data throughout the Legislative Yuan's disparate information systems.
- Voters and legislators found it difficult to access accurate and relevant data throughout the Legislative Yuan's disparate information systems.
- Management did not have full control of access rights allowing hackers, virus and spam to attack the IT infrastructure.

## Solutions

- Implemented Public Key Infrastructure digital certificates and verification services.
- Combined integrated circuit identification cards with digital certificates.
- IT architecture built on HP OpenView Select Access Solution.

## Benefits

- Improve speed and accuracy of data access by voters and legislators.
- Legislators are able to provide better services to the public.
- Access to information systems fully controlled by management.
- HP OpenView Select Access Solution prevents hacking activity from crippling the entire information system.

## Contact information

For more information about HP OpenView software, please call your local HP reseller or HP sales office.

**Australia/New Zealand**  
(61-3) 9275-3291  
openview\_events@hp.com

**China**  
(86-10) 6564-5736  
software\_china@hp.com

**Hong Kong**  
(800) 938-833  
software\_solutions@hp.com

**India**  
(91-124) 290-6176  
software.india@hp.com

**Indonesia**  
(62)21 572 1077  
software.indonesia@hp.com

**Korea**  
(822) 2199-0913  
software\_korea@hp.com

**Malaysia**  
(603) 2698-6555  
software\_malaysia@hp.com

**Philippines**  
(63-2) 888-5900

**Singapore**  
(65) 6275-3888  
software\_singapore@hp.com

**Taiwan**  
(886-2) 8722-8777  
software\_taiwan@hp.com

**Thailand**  
(662) 353-9000

For more information on HP OpenView, visit:  
[www.hp.com/managementsoftware](http://www.hp.com/managementsoftware)

© 2004 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

5982-XXXXEEP, 10/2004

