



Hillstone Government Network Security Solution

1. Security Problems Government Facing

With the rapid development and popularization of information technology, more and more large scale business systems are put on the network. Because these systems are critical applications that have significant impact, how to secure these systems becomes an increasingly important task.

Government because of its nature has high requirements on data security. Data leakage, hacker intrusion, misuse of network resources and virus all may cause significant damage. Nowadays, e-government construction is underway for all levels of government. More and more government functions are conducted through the network. Even though great emphasis has been put on network security, the government network is still facing many challenges.

Most security products in China are single-functioned products. They can solve some of the security problems, but because of lack of cooperation between products and lack of unified management it is hard to guarantee the integrity of policy and its enforcement.

How to secure the network and application against attacks, guard sensitive information from leaking, control spreading of virus and Trojans, are becoming the major concerns of network administrators.

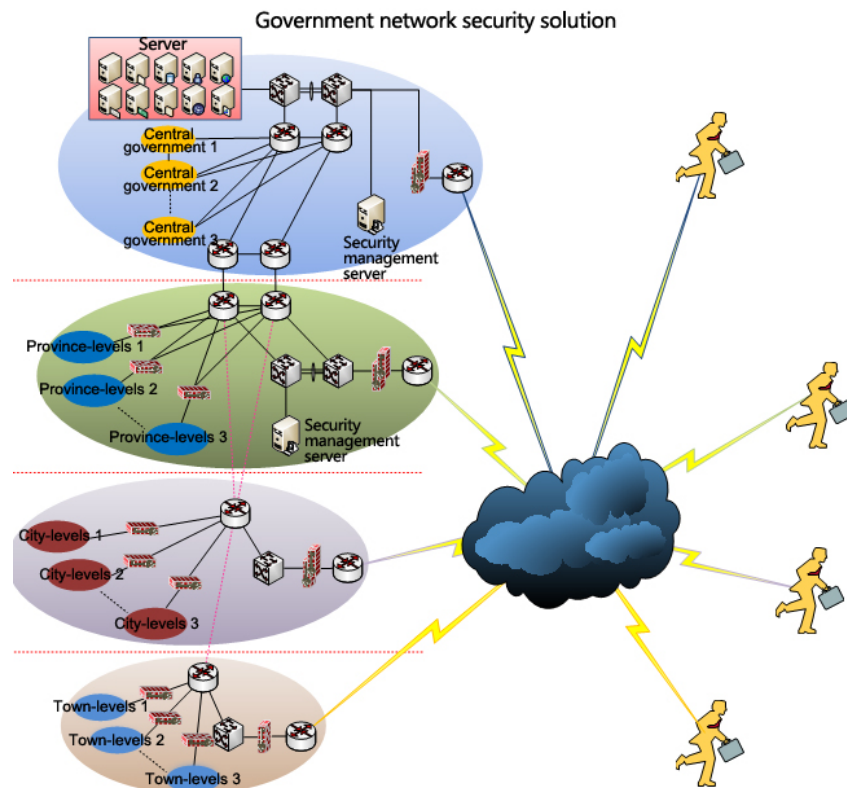
2. Solution of Government Network Security

Government Information Network System consists of: one dedicated line (governmental communication network), one platform (electronic government service platform), one center (security monitor and backup center), seven databases (economy information database, corporation information database, natural resources and geography database, population information database, social credit database, sea economy information database and government dynamic information database),

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twelve systems (government office business resources system, economy management system, governmental service system, social credit system, city card information system, multimedia service system, integrated geography system, sea economy system, agricultural information system, waterpower information system and social security system) .

Hillstone products meet the government network' s requirements in processing capability, extensibility, security, redundancy and managability.



Solution of Government Official Network (Governmental Communication Network) Security

The government network is a unified network built for governments at all levels. It provides functionality such as data sharing, video, voice, video conference, security defense, etc. Inside the network, resources are classified by categories, levels of confidentiality. Data storage and data transmission is managed according to user



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permission of access. User internet visits need to be audited.

When deploying in a government information network, Hillstone solution offers the following features:

- High-performanced firewall with strong defense capability on network layer attacks
- Provides link load balance and PBR
- QoS based on application, such as P2P, IM, streaming video
- QoS and Session limit based on IP address
- High-performanced AV
- Web authentication and L2TP, etc
- NBC log and auditing, including URL filtering, Webposting logs, email logs, and keyword filtering etc.
- Server load balance and multiple health monitoring methods
- Security control in IPv6 environment
- Network connectivity log and auditing
- Network traffic log and statistics

Solution of Electronic Government Network Security

Technology advances breaks the organization barrier to construct a virtual government, which provides services and information to public through the network. People can access these services and information on demand. This greatly reduces complex approving process by humans and improve the efficiency of the government.

Hillstone Security Appliance can offer the following functionalities when deploying in an e-government network:

- High-performance firewall with strong defense capability on network layer attacks
- Provides link load balance and PBR
- QoS based on application, such as P2P, IM, streaming video
- QoS and Session limit based on IP address
- High-performance AV
- Web authentication, L2TP, etc
- Server load balance and multiple healthy monitoring method
- 3rd generation SSL VPN
- IPSec VPN
- Network connectivity log and auditing
- Network traffic log and statistics



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- Security control in IPv6 environment

Solution of Government OA Network Security and Information Management Network Security

With the development of network technology, functional departments inside government extend beyond local area networks to over the WAN. Nationwide branches are connected, which greatly improves working efficiency. The government network can be divided into several layers according to organization structure and region. Each department in the central government is directly connected to its provincial agency through WAN. Each provincial agency is in turn connected to local agency in the city or district. Each department thus form a national network over the WAN.

Hillstone Security Appliance offers the following solution:

- High-performance firewall with strong defense ability on network layer attacks
- Provides link load balance and PBR
- QoS based on application, such as P2P, IM, net video
- QoS and Session limit based on IP address
- High-performance AV
- Web authentication, L2TP, ect.
- NBC log and auditing, including URL filtering, webposting logs, email logs, and keyword filtering etc.
 - Server load balance and multiple healthy inspecting technologies
 - Security control in IPv6 environment
 - 3rd generation SSL VPN
 - IPSec VPN
 - Network connectivity log and auditing
 - Network traffic log and statistics

Extended Solution of Government Network SSL VPN

Security is very important for the government network. Data transmission among office departments and visits to internal servers need to be protected by reliable authentication mechanism and strong encryption mechanism.

Hillstone offers the 3rd SSL VPN solution:

- authentication, with encryption and data transmitting throughput equivalent to



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IPSec

- Provide USB-key authentication and support of third party authentication method
- Support PC hardware binding, prevent illegal use of the system
- PC Health Check

Unified Log Auditing and Hillstone Security Management (HSM)

After deploying security device, Hillstone HSM help administrators to manage the device: monitoring device, collecting logs, checking network running status, and recording users' behavior:

- Attack log and statistics
- Network traffic log and statistics
- Network behaviors, including Web surfing logs, Webposting logs, outbound email logs, access logs, etc.
- AV logs and statistics
- IPS logs and statistics
- Top N IP and applications based on upstream/downstream bandwidth and sessions
- Status logs and statistics