**Case study**

**HP helps Henan Mobile successfully build a Security Management Platform to support business**

**HP ArcSight is central to Chinese telecommunication’s security management**

**Industry**
Telecommunications

**Objective**
Improve the overall security and defense capability of the business support network, reducing asset security risks, and improving management

**Approach**
Automate security processes, reducing workload on IT team

**IT matters**
- Simplified access to the Security Management Platform for all users
- Created tailored services and achieved a unified security policy and work process management

**Business matters**
- Strengthened information sharing and transfer, and standardized security operations and inspections
- Created effective security operation monitoring and network security asset configuration capabilities
- Reduced the burden on security maintenance staff

“In this project, HP was able to utilize their advanced service capabilities in security consulting services, and their extensive experience in the application of complex technical products to provide localized, tailored services based on the specific needs of Henan Mobile. This shows the strong capability of the information system service solution.”

– Du Haifeng, Project Manager, Henan Mobile

**Network Security**
As the telecommunications market changes from voice to data, there has been a greater emphasis on information security. Attacks on the network operators are becoming more professional and direct, making network security increasingly difficult. Working with HP Technology Services, Henan Mobile wanted to create a centralized security platform to protect its core services, and the information of its customers.
**Challenge**

**Improve security management**

Henan Mobile was founded in 1999. It is a subsidiary of China Mobile (Hong Kong) Limited and, with 47 million customers, is the largest operator in the Henan province.

As the telecommunications market changes from voice to data, there has been a greater emphasis on information security. The pressure is two-fold: Henan Mobile must protect its core services, and the information of its customers. Attacks on the network are becoming more skilled and direct, making network security increasingly difficult.

Henan Mobile employed several systems to protect its business operations, some of which included network monitoring. However, these afforded only partial, non-central protection. The business could not rely on these systems to detect fraud, curb network threats and simplify compliance. There was a need to transition to a centralized, automated alternative.

**Solution**

**Security asset management**

The focus of the new security management platform would be asset security risk, with security policy management at the core. In drawing up the brief, the main requirements included:

- **Security asset management**: Automated capture or manual entry to bring about centralized management of asset information, and provision of this to other modules;

- **Operation automation**: Defined day-to-day operations for security operation management, reducing the working pressure on operation and maintenance personnel, and improving the efficiency of day-to-day security;

- **Security event management**: Bring about pre-handling and safety event analysis for various security incidents;

- **Compliance inspections**: Mainly contains four compliance items - SOA, SOX, level protection and business support security inspection. Able to assess the effectiveness of security operations management.

Henan Mobile asked HP Technology Services, China to help complete the construction security management platform. “We selected HP Technology Services, China, due to its industry-leading IT service capability, strong and stable technology, and dedicated service team,” says Du Haifeng, Project Manager, Henan Mobile.

Central to proposed solution is HP ArcSight software, the world’s leading security management solution. It can integrate security incidents from various sources and manage security products including firewalls, IDS and VPN. HP ArcSight also receives log reports from gateways, routers, operating systems, host systems and applications, standardizing this data to be used to create reports. ArcSight’s most important feature is the ability to configure the management of large network system security threats and produce corresponding reports. It is a preferred security management solution for large telecommunications industry players.

In this project, HP service consultants have developed multiple functional modules based on ArcSight products. For example, security management portals, security policy management centers and collective control platforms based on ArcSight Enterprise Security Manager (ESM) and ArcSight Network Configuration Manager (NCM). This has brought about a unified security policy and work process for Henan Mobile Security Management Platform.

China HP also provided planning and entire life cycle services from application and design, development, creation, installation, and management. Of greater importance is the security operations management capability delivered to Henan Mobile, which shows HP’s mature security operations management and methods are now available to the users.
Customer solution at a glance

HP services
• HP Security Consulting Services

Software
• HP ArcSight

Benefits

Passive Security Management Intelligence
“The successful implementation of this project has met our goals of ‘proactive safety management automation’ and ‘passive safety management intelligence’,” says Du Haifeng. “It has strengthened China Mobile Group’s implementation of information security policy and management regulations.”

The construction of the platform means information sharing and transmission for the security of Henan Mobile business support systems can be strengthened. This allows the effective monitoring of security operations and network security asset configuration capabilities. It standardizes security operations and inspections. This has reduced the overall burden on security maintenance staff:

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• Proactive security management automation: Security device lifecycle management and control and automated maintenance and security asset discovery and management; automated formulation, generation, implementation and verification of security plans; automated generation, implementation and verification of compliance checks;

• Smart passive security management: Intelligent processing of security logs, achieving complete security log collection, layer by layer filtering, intelligent correlation and screening; security incident intelligent alarms and handling determined by key assets and incidents.

“In this project, HP was able to utilize their advanced service capabilities in security consulting services, and their extensive experience in the application of complex technical products to provide localized, tailored services based on the specific needs of Henan Mobile,” says Du Haifeng. “This shows the strong capability of the information system service solution.”

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