

A Leading Telecom Company in Korea

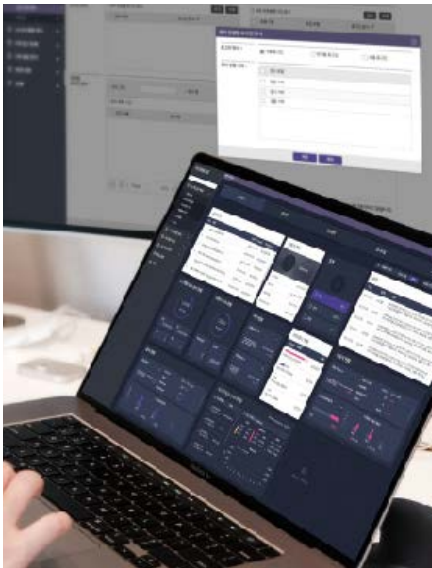
NETAND helped achieve scalability of devices and stability of network security at the same time with HIWARE

"We have over 40,000 Users & 560,000 multi-vendor system devices spread over in Korea. Since the introduction of HIWARE, it has created network security policies and standardized operations based on those policies that are suitable for our massive structure."

Chief Security Officer at the Telecom Company



Success Story Telecom Company in Korea



INDUSTRY

- Telecommunication

SOLUTION

- HIWARE Privileged Access System Management

RESULTS

- Scalability
Designed for easy extension when the number of target equipment increases with no speed lag / (Simply via license file replacement) Integrated more than 500,000 devices flawlessly
- Responsiveness
Quickly reduced recovery time in case of emergency failure and supported the ability to monitor and audit user mistakes and errors
- Stability
Reliably supported a structure with 40,000 concurrent users accessing the system and enhanced the security level significantly by blocking access through detouring

OVERVIEW

The customer is one of the largest telecommunication and digital platform companies in Korea. Based on ICT convergence technologies such as AI, big data, cloud, IoT, and robots, the company is promoting digital platform business by creating synergy between telecommunications and heterogeneous industries in various fields such as media contents, finance, and commerce.

CHALLENGES

The client had developed its own privileged access management solution based on VPN, which had critical problems as follows:

- As the number of users and equipment increased, the speed of each session slowed down.
- Due to the lag of session speed, the number of sessions has been limited, making it difficult to increase the number of users accessing the solution.
- The client solution also included many restrictions on applying the DAC (Discretionary Access Control) ¹, which made it inflexible to grant per-user permissions.

ACHIEVING RESULTS

First, to resolve the increased number of equipment and users, NETAND managed to separate the structure of the product into manager servers and relay servers. Then the relay servers were changed to parallel to address the speed and the number of sessions.

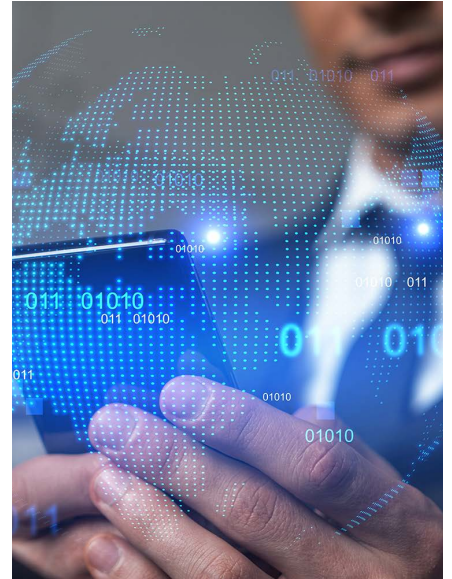
NETAND decided to apply both MAC and DAC concepts to Privileged Access Management to facilitate the assignment of different roles to different users.

NETAND added the concept of customer's organization-specific inheritance to the user's permissions, redesigning it to make it easier for the customer to set tiered organization-specific permissions. And NETAND solved the problem of speed performance caused by increasing number of inheritance steps.

For the application of MAC/DAC, NETAND helped the administrator to change equipment per user, equipment per user group, equipment group per user, and equipment group per user group were changed and the concept of inheritance structure was included between each group to organize an access to equipment.

In addition, HIWARE greatly enhanced security by connecting with authentication protocols to prevent detour access to areas that could be problematic when adopting Privileged Access Session Management (PASM).

1. In computer security, discretionary access control (DAC) is a type of access control defined by the Trusted Computer System Evaluation Criteria "as a means of restricting access to objects based on the identity of subjects and/or groups to which they belong. The controls are discretionary in the sense that a subject with a certain access permission is capable of passing that permission (perhaps indirectly) on to any other subject (unless restrained by mandatory access control)."



About NETAND

NETAND, is a Network Security Solutions Company that enables organizations to strengthen security insight through market leading Privileged Access Management solution, on-premises and in the cloud. For more information about NETAND visit netand.io.

NETAND FOR BETTER TOMORROW

Telecom Company identified a few vendors, and eventually chose HIWARE after long consideration. "They fully understood our time pressures and were prepared to accommodate software implementation in a narrow window of opportunity. The HIWARE team also had a great depth of knowledge and a robust track record. They clearly understood our predicament."



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