



Cyber Solutions Inc.

# NetSkateKoban Nano®

## Case Study : Tsurugi Municipal Handa Hospital



**"To detect and block unauthorized terminals, we monitor the terminal connections using NetSkateKoban Nano"**



- Detection and blocking of unauthorized terminals
- Simple operation by using ATL
- Excellent cost performance
- Integration with UTM and other anti-virus software

Tsurugi Municipal Handa Hospital, Tokushima Prefecture in Japan, has installed NetSkateKoban Nano to detect and block unauthorized terminals connected to the hospital network. We interviewed Mr. Takaya Yamamoto, Manager, System Administration section, IT department of Tsurugi Municipal Handa Hospital, to learn about the background and impact of the deployment.

### Detect and disconnect unauthorized terminal

— Please tell us how you use NetSkateKoban Nano.

Our hospital operates three networks: One for Electric Medical Records (EMR), one for administrative systems, and one for business systems. Each network is separated from the others, but the network for business systems has many LAN ports in various places such as wards, conference rooms, etc., and it is connected to internet. We are continuously monitoring if there is any "unauthorized" terminal which is not registered on the "ATL" and is connected to our network. Unauthorized terminals are forcibly blocked when necessary to protect the network and systems from the risk of infection by virus and malware.

— Are there actual cases of unregistered, unauthorized terminals being brought in and connected?

Although there have been no confirmed cases of unauthorized terminals with malicious intent being connected or terminals brought in by individual staffs being connected without permission, there have been cases where unauthorized terminals are connected by outside vendors when upgrading the system



Tsurugi Town Handa Hospital  
System administration section  
Manager Mr. Takaya Yamamoto

software. Also, there are cases where a device brought in and connected to the network, or a replacement device provided due to a terminal failure, is detected.

— Are there any cases where patients bring their own devices to be connected?

Although we have not had any cases of patients bringing in their own devices for connection so far, but this does not mean that it will not happen.

### Aiming for effective prevention

— Please tell us the background of why you introduced NetSkateKoban Nano.

Prior to introducing NetSkateKoban Nano, the hospital had installed a firewall to protect our network from malicious traffic and unauthorized accesses from outside of the network. But, there was no mechanism to protect our network from unauthorized access once the unauthorized terminal is directly connected to a network port inside the intranet. Even if the person who connected the terminal did not intend to spread viruses or malware, it can still happen if the terminal is infected and the owner does not know it. This has been our basic security concern.

Hospitals and wards are places where many people come and go, and Tokushima Prefecture Police Department pointed out the same to us, so we decided to introduce a mechanism to detect and block unauthorized accesses and started considering NetSkateKoban Nano.



## Simple implementation and operational features

### — Why did you choose NetSkateKoban Nano?

As far as our hospital was concerned, we could not find any product or service that could compare to NetSkateKoban Nano in terms of functionality and cost. The specific points which finally led us to select NetSkateKoban Nano were as follows:

#### ■ Detection and blocking by ATL

The function is easy to understand because connection detection and blocking are managed by a ATL of the terminals that are allowed to connect to the network. No complicated configuration or specialized knowledge is required. Registration and operation of the ATL is simple and does not impose any additional operational burden.

#### ■ Easy to install

Installation involves simply connecting the NetSkateKoban Nano appliance to the network. There is no need to set up a Server or install or configure agents on terminal. There is no need to add or change settings for existing networks or systems, so the system can be used immediately after the installation.

#### ■ Good cost performance

It is relatively inexpensive to install as a security product. The product itself has good cost performance and does not require a license fee for each managed terminal, so it can be used without worrying about the increase or decrease of the number of terminals to be connected.

## Centralized management of terminal connection status

### — Please tell us the benefits of deploying NetSkateKoban Nano

The ability to centrally monitor and manage terminal connections on the network and to detect and block unauthorized terminal connections was exactly what we were looking for in NetSkateKoban Nano, and we are very pleased to have added it to our network. We think the most significant impact of the introduction of this product is that we have been able to reduce the security risk by simply using the ATL. Other than managing the ATL, I can say it is a very good security product because it requires very little time and effort to operate.

### — Did you need elaborate preparations or encounter difficulties when introducing the system?

There are no difficulties in registering a terminal to the ATL, and no changes to the network or systems were required, so we did not have difficulties in deploying and operating the system.

## Linkage function with other security products

### — What are your enhancement plans for the future?

I have heard that a new function will be available soon that will automatically detect and effectively block network connections from terminals that are behaving suspiciously, even if the device is registered on the ATL. Apparently, this function will be supported in conjunction with UTM (Unified Threat Management) and other anti-virus products, as well as sandboxes. After it is released, we would like to introduce the function at our hospital to enhance security.

### — What are your expectations and requests for Cyber Solutions

We understand that we can enjoy free upgrading of the firmware if we subscribe the maintenance pack, which we are doing. We heard there is a new feature that will allow us to identify the port of a switch at which an unauthorized terminal is connected. We look forward to trying this new function.

#### <Comments from sales partner>

As a vendor that provides excellent products at a reasonable price, we look forward to the continuing evolution of this product. We also expect the proactive information release and enhanced technical support for sales partners.



Mr. Nakagawa from Kongo Co. Ltd (Sales partner) (Center),  
Mr. Yamada, System Support section (left).

Thank you for sparing the precious time out of your busy schedule to share the valuable experience and insights with us.

#### Profile of Tsurugi Municipal Handa Hospital

Tsurugi Municipal Handa Hospital is a municipal hospital located in Tokushima Prefecture. 75 years after its establishment in 1949, the Hospital has been contributing to community healthcare in the Western Tokushima Prefecture under the motto of its philosophy "Safety and Reliability in step with the Community".

<https://www.handa-hospital.jp>

\* The name of department in the document is at the time of interview  
Date of interview: July 2024



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