

Customer case study – CNU

The Customer

Chungnam National University (CNU) is one of the most prestigious centers of higher education in Korea, with 13 faculties, 62 research institutes, and over 1000 teaching staff and 30,000 students.

Network Configuration

CNU has allocated /16 subnets and a campus wide high speed network to connect each building.

Attack History

CNU's webservers have been DDoS attacked and hit with very high rate port scans. Some CNU PCs have also been infected by malicious code and act as Bots. Flash crowd problems have occurred during semester registration.

IntelliGuard DPS Deployment

An IntelliGuard DPS 2000 was deployed at the front of the network, with each subnet configured as a separate protection entity and mapped one-to-one to each department or internal organization such as a dormitory.

Successful Defense

IntelliGuard's DPS 2000 successfully solved the following problems, which are common to academic institutions:

- Blocked DDoS attacks targeting the web servers
- Managed traffic to each network segment (especially dormitory traffic, which frequently consumes too much uplink capacity).
- Prioritised traffic to prevent disruption during flash crowd events, which typically each semester at student registration time.
- Automatically discovered and blocked traffic with spoofed IP addresses from internal bot-infected computers

IntelliGuard has met all CNU performance goals. CNU plans to purchase more IntelliGuard DPS to improve their network stability.

