Overview of SPMS Activities in Asia

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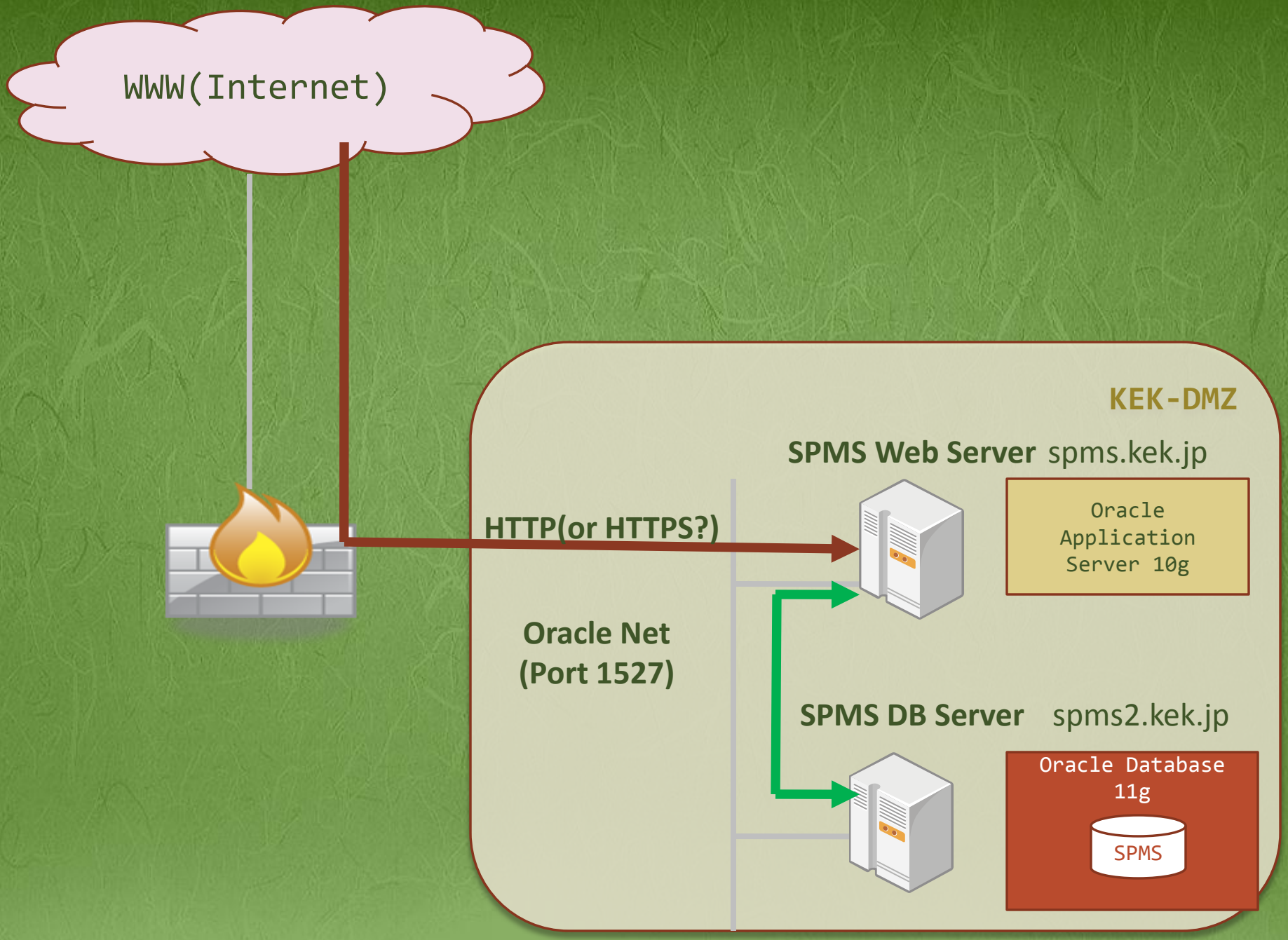
KEK


WWW(Internet)
KEK-DMZ
SPMS Web Server spms.kek.jp
Oracle Application Server 10g
HTTP(or HTTPS?)
Oracle Net (Port 1527)
SPMS DB Server spms2.kek.jp
Oracle Database 11g
SPMS

	SPMS DB Server	SPMS Web Server
OS	Windows2003 Server (64bit)	Windows2003 Server (64bit)
CPU	Core 2 Duo 2.4GHz	Core 2 Duo 2.4GHz
Memory	8 GB	8GB
HDD	500GB x 2 (RAID 1)	500GB x 2 (RAID 1)
Application	Oracle Database 11g	Application Server 10g

Maintenance

- Backup database : every day
- Checking system log: 2days per week (East Japan Institute of Technology Co., Ltd)

Instances in 2010

- IPAC'10
  (23-28 May, Kyoto, Japan)
- Cyclotrons'10
  (6-10 September, Lanzou, China)
- Linac'10
  (12-17 September, Tsukuba, Japan)

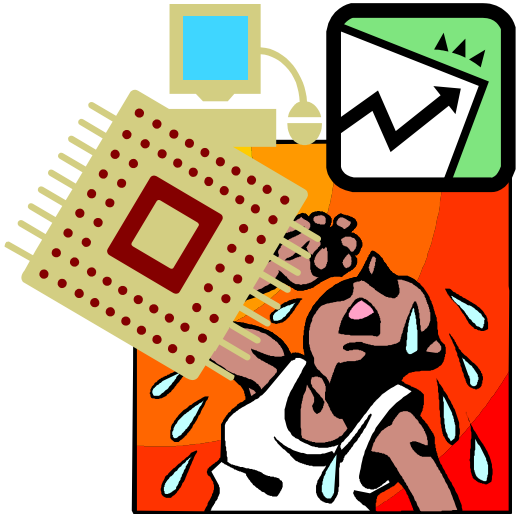
- FEL'11 (Shanghai)

Problem

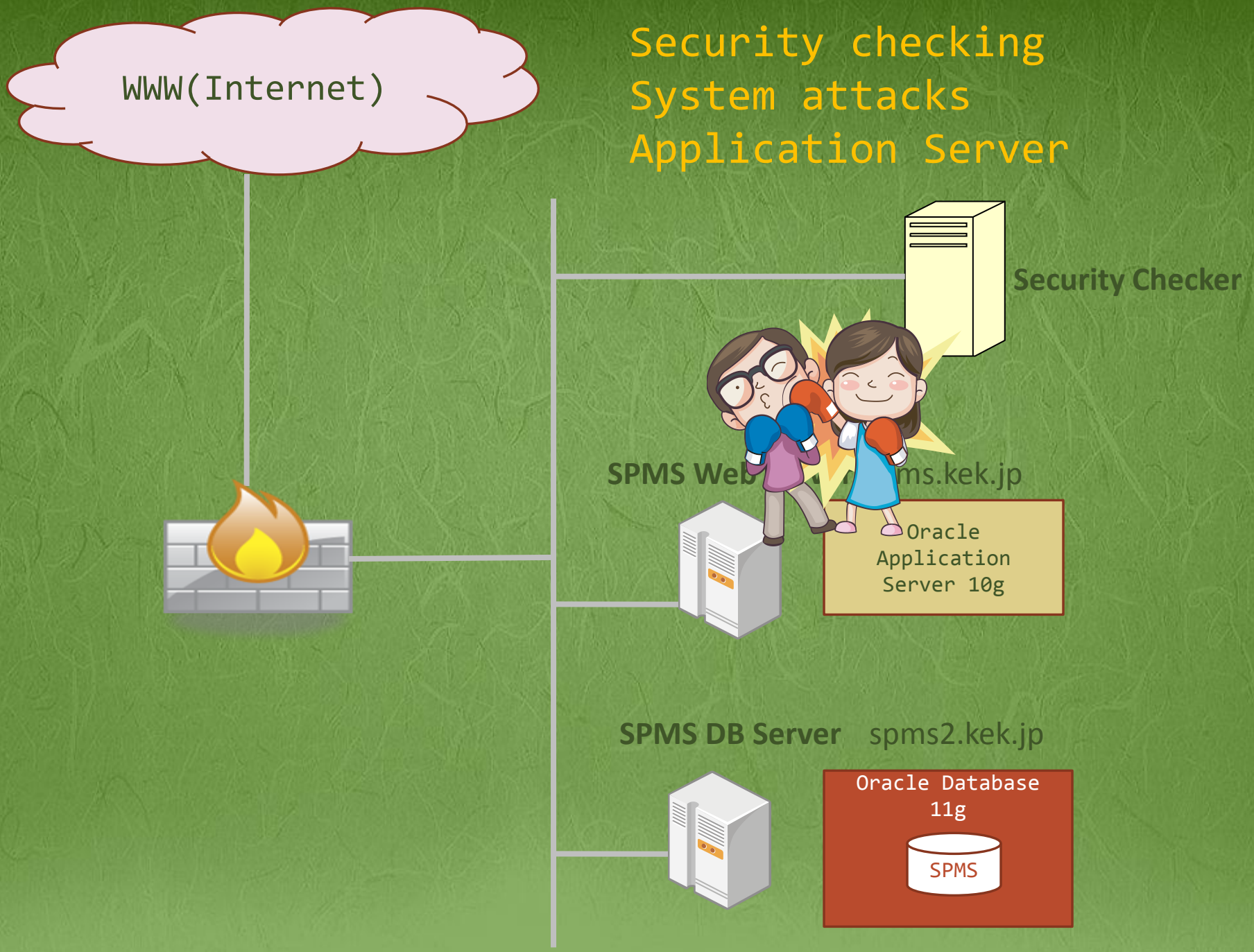
- Problem had been found during IPAC'10
- Terrible slow SPMS response
- I was already in Kyoto
- East Japan Institute of Technology had investigated servers

Problem

- CPU load of ORACLE Application Server is 100%!
- Solution: reboot…

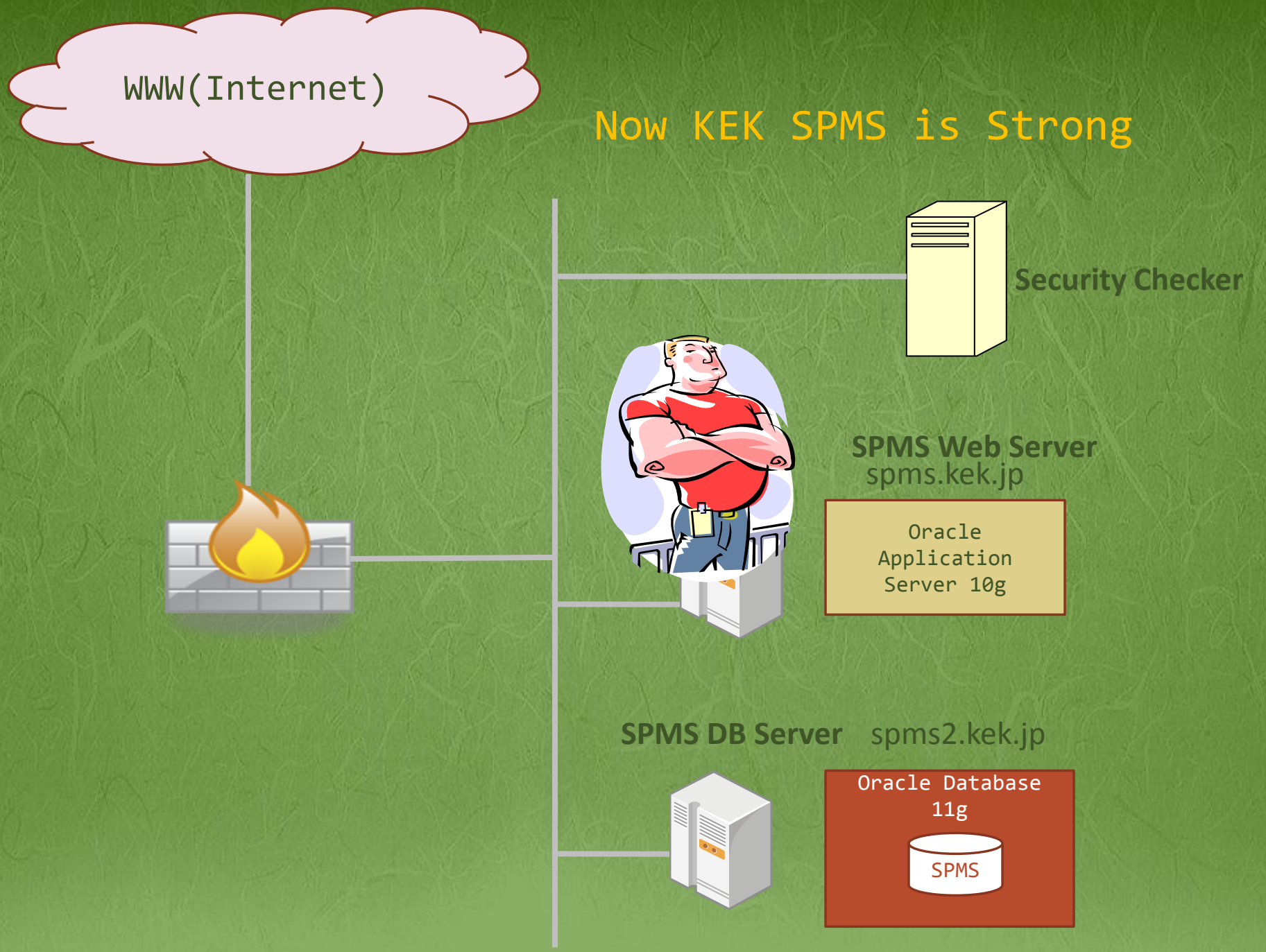


- The problem still happened after IPAC’10


WWW(Internet)
Security checking
System attacks
Application Server
Security Checker
SPMS Web
ms.kek.jp
Oracle
Application
Server 10g
SPMS DB Server
spms2.kek.jp
Oracle Database
11g
SPMS

Solution

- Rebooting was only solution for us.
- Using Enterprise Version?
- Patch of Application Server had been announced.
- Oracle Application Server had been upgraded on 28 June.


WWW(Internet)
Now KEK SPMS is Strong
Security Checker
SPMS Web Server
spms.kek.jp
Oracle
Application
Server 10g
SPMS DB Server
spms2.kek.jp
Oracle Database
11g
SPMS