

APAN Cache Working Group

Charter

- Make a hierarchical WWW cache in Asia Pacific region and contribute to the effort of building a world-wide cache hierarchy.
- Develop an effective hierarchical cache operation.

Milestone (1)

- Jan 98:
 - Start operating cache servers on APAN exchange point and make a caching hierarchies in Asia Pacific region.
- June 98:
 - Issue a report about the effectiveness of cache hierarchy.

Milestone (2)

- Jan 99:
 - Release a cache hierarchy auto-configuration tool.
- Jan 00:
 - Release mechanisms for adaptive hierarchy cache server.

Root Server

- Korea Root Server
- Tokyo Root Server

Korea Root Server

- Specification
 - DEC Alpha Server 4100 with 1GB memory and 20GB HDD
 - Digital Unix + Squid

Tokyo Root Servers (1)

- Specification (need more consideration)
 - IBM-PC X 5 (Cache Server) + 1 (Log Analysis)
 - Pentium II 300
 - 1G memory
 - 9G Disk X 3 (2 for Cache, 1 for System and Log)
 - Ultra Wide SCSI IF X 2
 - 100M Ether
 - FreeBSD + Squid

Tokyo Root Servers (2)

- Development
 - Hash based clustered cache access
 - To eliminates the duplication of contents over cache servers.
 - The development schedule is not fixed. For the moment, the cache servers have simple sibling relation each other.