

# .CN DNS Operation Status

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CNNIC

2008.02

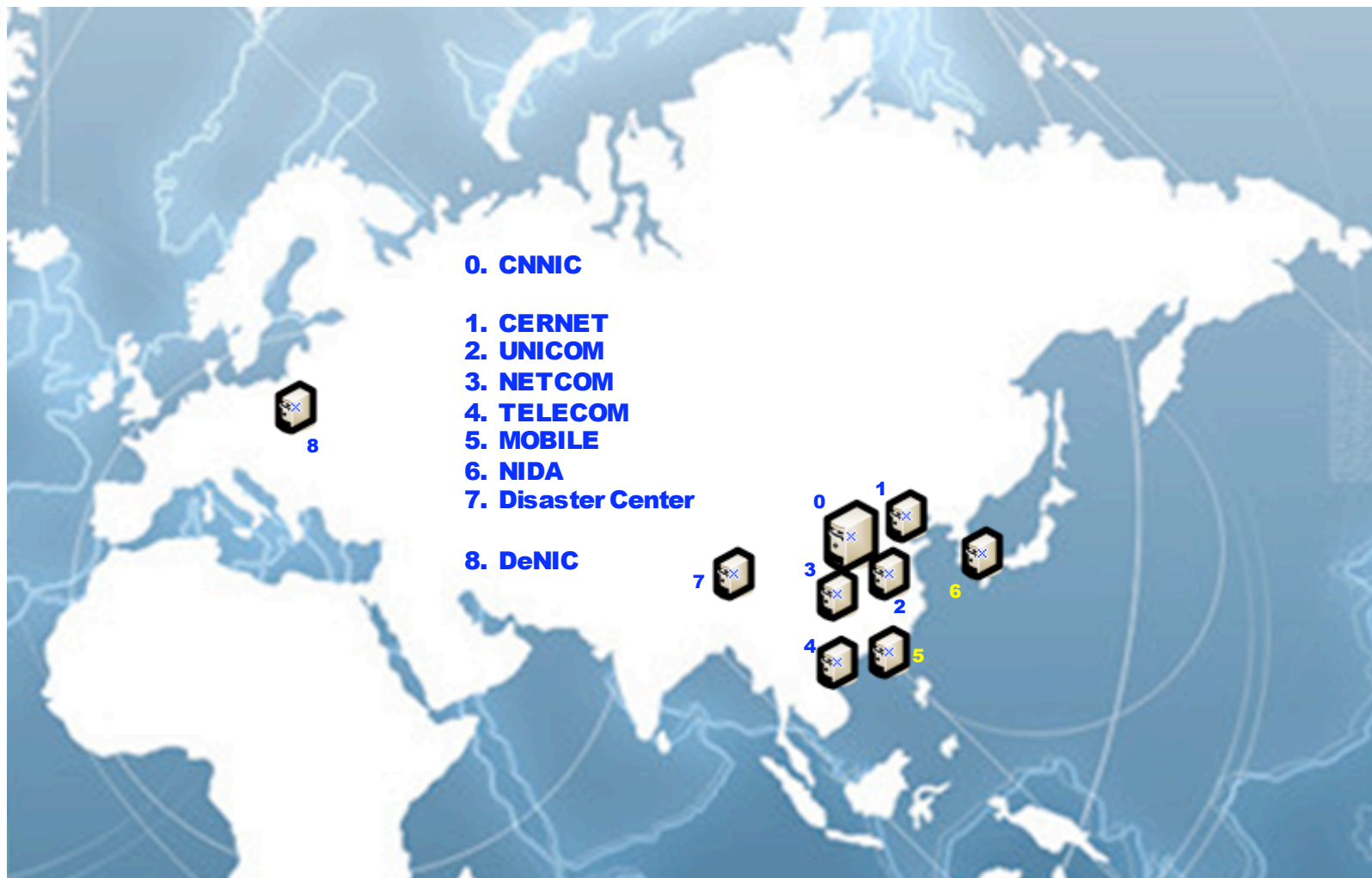
# Our Goals

- High availability
- Short response time
- Immediate discovery after an event
- statistical information as much as possible

# .CN Deployment Plan

- Online Servers:Redundancy
  - Assure the usability of the service
  - Reduce the response time
- Bak Servers:heterogeneous
  - Different zonefile update mode
  - Different DNS software

# .CN Deployment Plan



# .CN Monitoring System

- Monitoring the equipments
- Periodically check the status of the DNS server
  - The hardware: disk usage, CPU, Memory
  - The port: open?
  - The application: analyze the response
- Real time information about the service on the DNS servers

# .CN Monitoring System

网络视频监控系统 16:2:33

网通前 网通后 联通前 联通后  
电信前 电信后 移动前 移动后  
灾备后 灾备前  
网络视频监控系统  
网络视频监控系统  
网络视频监控系统  
网络视频监控系统

控制就绪 控制释放 协商  
变焦  
光圈 聚焦  
云台速度 慢 快  
预置位  
1 2 3 4 5 --  
6 7 8 9 0 C  
矩阵/切换器  
辅助视频服务器DO [ ]  
开关1 开关2 自动W视  
音频 录像 设置

授权给: 监控系统 2007-11-5 16:03:51 登录成功

Soft Internet Explorer

服务运营支撑系统  
SERVICE OPERATION SUPPORT SYSTEM

LOGIN: 王伟 LOGOUT

自动发现 | 隐藏菜单

- 韩国NIDA
- Linux服务器
  - sla
  - Disk Monitors
- 北京CNNIC
- hotdog01
  - Disk Monitors

业务视图: 共有 1 个失败 设备视图: 全部正常状态有的告警 182 3 12 7 4

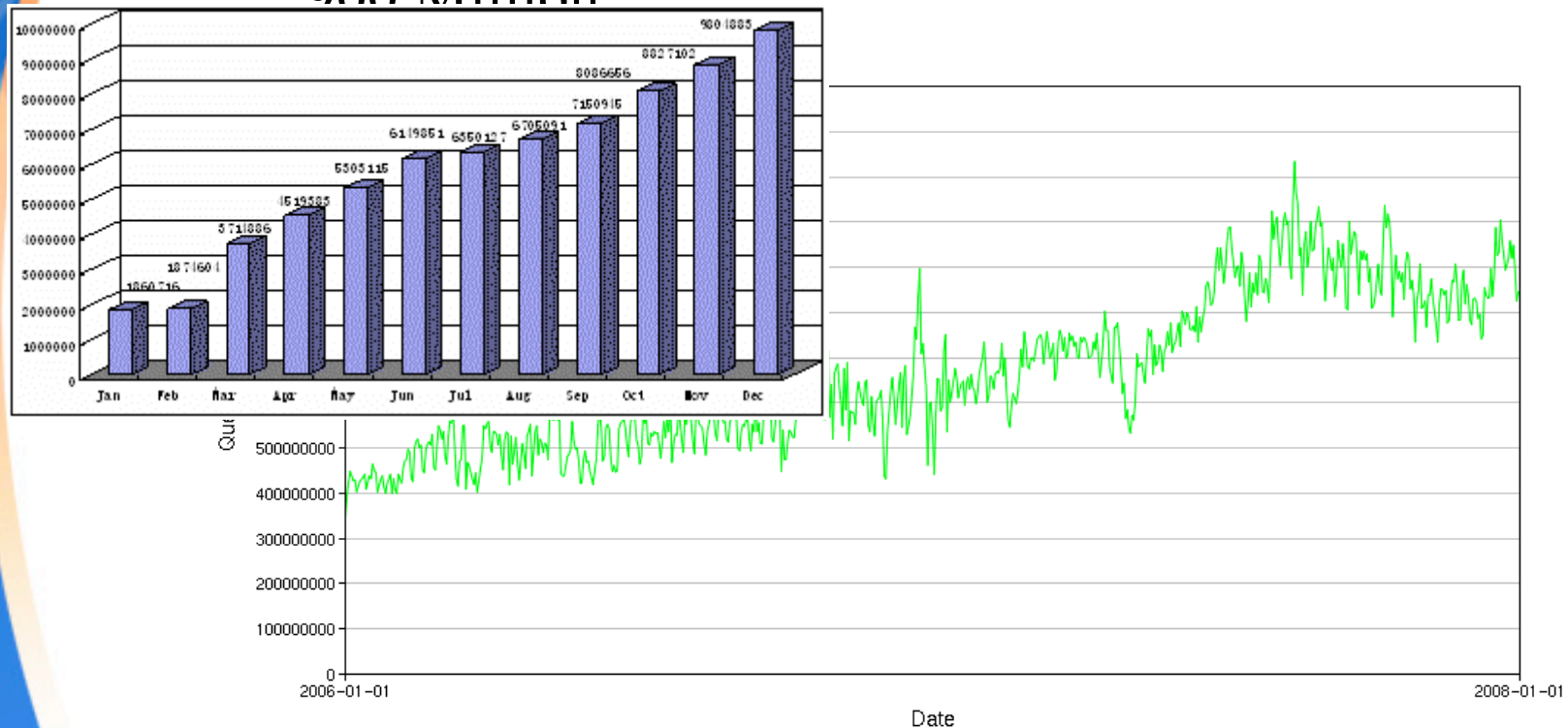


# .CN Name Server Statistics

- The query\_log on DNS servers can reflect the information about the domain names and the servers to some extent
  - The domain name field is most useful
- We can learn:
  - The number of the queries we resolve everyday
  - People are interested in which domain names
  - What kind of RR is queried the most
  - ...

# .CN Name Server Statistics

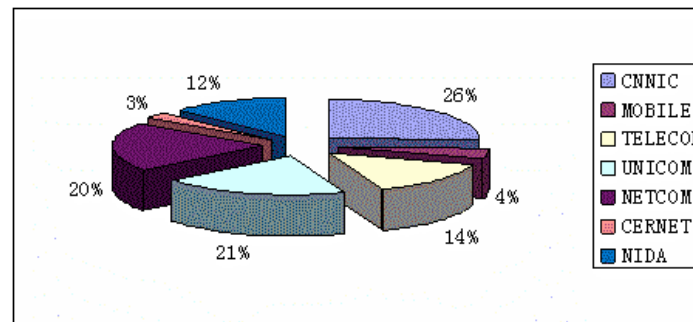
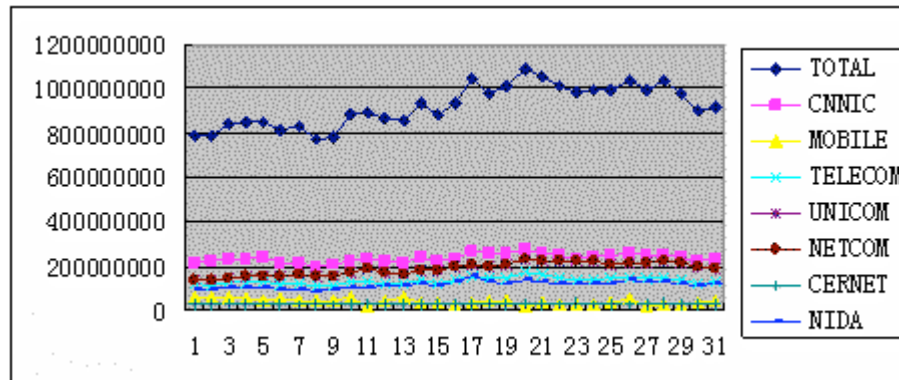
- Registered Number : 9 Million
- Daily Query Number: 900 Million



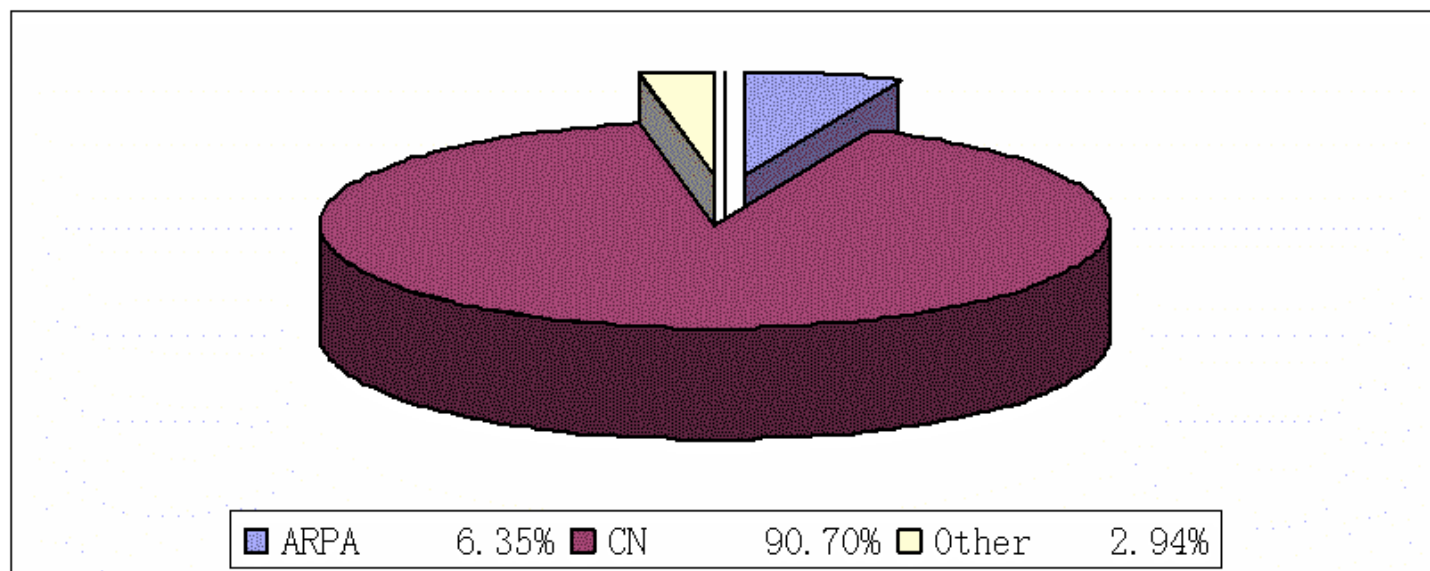
Total Query Number is 485619887209



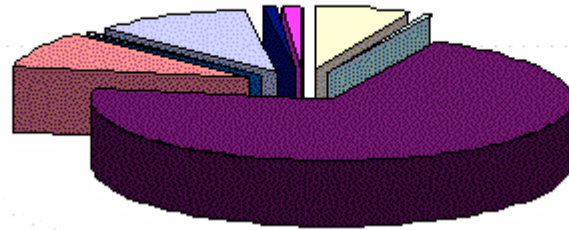
# .CN Name Server Query



# CNNIC Classified Query

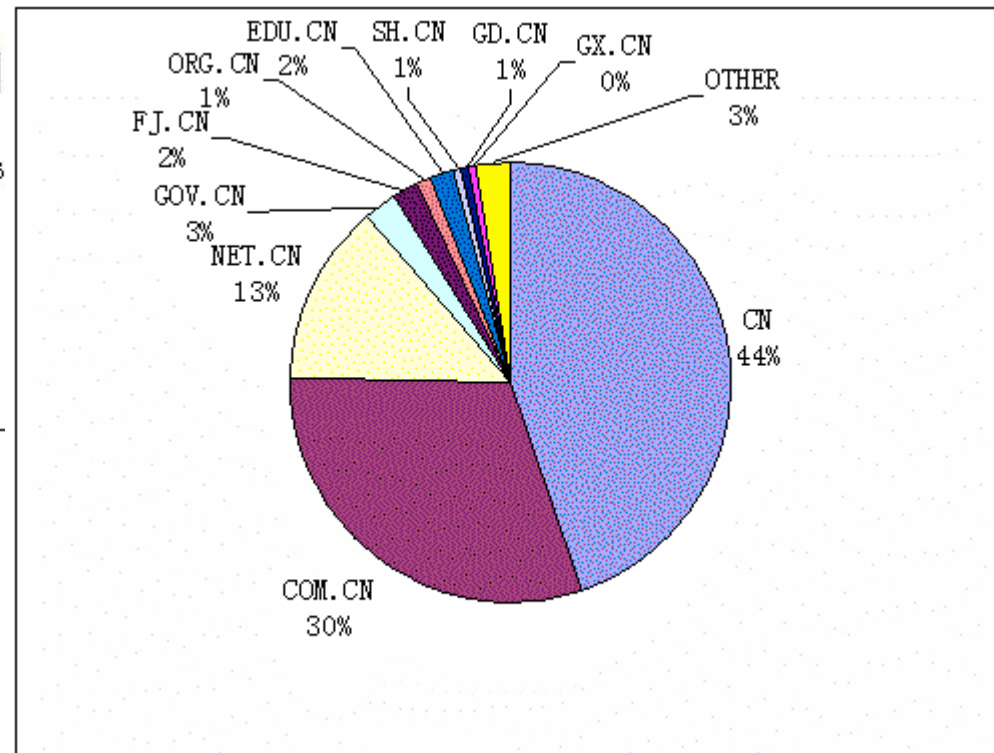
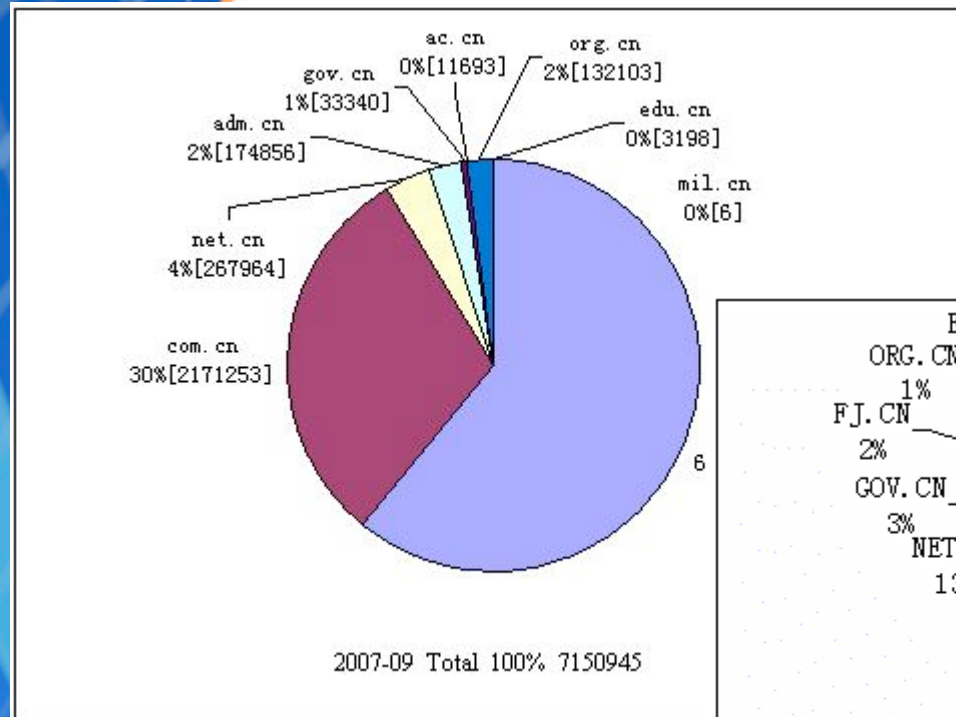


# .CN Classified Query



OTHER	0.07%	CNAME	0.08%	PTR	0.09%
TXT	0.10%	A	0.11%	MX	0.12%
SOA	0.13%	AAAA (A6)	0.14%	ANY	0.15%
NS	0.16%				

# .CN Classified Query





■ Thanks