

## **General OS Questions**

### **Part I: Concept**

1. What is an OS? OS components?(file, memory, process ,networking, I/O management)
2. Privilege (how to switch from kernel to user mode)?
3. Multi-tasking and multi-processing?
4. What is Thread (?) kernel vs. user (?)
5. What is context switching?
6. What is paging vs. swapping? How VM works? Disk swapping vs. file system swapping?
7. What is buffer cache?
8. What is shared memory? What is semaphore? how to use it/
9. What is symbolic links?
10. How to communicate inter-process? (RPC/sockets)
11. Logical volume group?

### **Part II: Experience**

1. Experience with OS? What (NT, hp-ux, Solaris, linux, etc.??)?
2. Is there a similar thing on UNIX like NT's registry? Any experience related to registry adjustment?
3. What is under /etc or /opt /adm? Where does executable file/configure file/log file go?
4. If at run time, you see an error "library libx.sl can't be found". What do you do to solve it on both UNIX and NT?

5. How do you install patches for an application and/or os kernel?
6. What do you do if one of your applications suddenly stops working properly, but it was working ok last time you used it?

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