

## Basic Unix Admin Questions

- What's the startup files for the C shell (or Bourne)?
- What is /etc/aliases?
- What is /etc/inittab?
- What is the first process to start on a UNIX system, after the kernel?
- What is an inode?
- How do I change the priority of a process?
- What is the function of pwconv ?
- Tools for scheduling and syntax?
- How to restrict root access to the system except console?
- How to check the current patch level?
- How to allow ftp access to root?
- How to unmount busy file system?
- What is an IP address?
- How do I test to see if a system is setup on the network correctly?
- How do I display the route table?
- What is NSLOOKUP?
- What is an MX record?
- What is traceroute?
- What are shadow passwords? If it is not present how to create it?
- What command will tell me how busy the system is?
- What is an "s" in a file's permission mean?
- What kind of permission would "chmod 755" yeild on a file?
- What does a "b" as the first letter of a file's permissions mean?
- What's the difference between "su" and "su -"?
- What information does PROM stores?
- What is RAID?
- The setup is, you have a filesystem that is near 100% full. However, after looking around the filesystem, you can't see any large files that are taking up the space. In fact, a "du" command on that filesystem shows much less space in use than a "df" command (by a fairly large margin). What is going on, where did all the free space go?
  - You get a call at home because a server is unreachable or not pinging.....what steps would you take?
  - How do I see what print jobs are pending?
  - Name some top-level (under /) directories?

Please attempt to answer the following question

Q: You have a filesystem that is near 100% full. However, after looking around the filesystem, you can't see any large files that are taking up the space. In fact, a "du" command on that filesystem shows much less space in use than a "df" command (by a fairly large margin). What is going on, where did all the free space go?

Q: How do you avoid this situation?

Q: Once in this situation, how do you recover?

## Veritas Clusters

Q. Explain what the file main.cf is used for?

How do you clear a failed resource in the cluster?

How do you determine the status of a vcs cluster?

## Sun Clusters

How do you determine the status of a Sun cluster 2.2 vs. Sun cluster 3.1  
2.2 hastat 3.X scstat

Give output of scstat command and explain to me what is this tell me about the cluster.

```
root@v04k08 # scstat
-----

-- Cluster Nodes --

          Node name          Status
          -----          -
Cluster node: v04k08         Online
Cluster node: v04k09         Online

-----

-- Cluster Transport Paths --

          Endpoint          Endpoint          Status
          -----          -
Transport path: v04k08:ce2   v04k09:ce2       Path online
Transport path: v04k08:ce5   v04k09:ce5       Path online

-----

-- Quorum Summary --

Quorum votes possible:      3
Quorum votes needed:        2
Quorum votes present:       3

-- Quorum Votes by Node --

          Node Name          Present Possible Status
```

```

Node votes:      v04k08          1      1      Online
Node votes:      v04k09          1      1      Online

```

-- Quorum Votes by Device --

```

          Device Name      Present Possible Status
-----
Device votes: /dev/did/rdisk/d18s2 1      1      Online

```

-- Device Group Servers --

```

          Device Group      Primary      Secondary
-----
Device group servers: haappsrv          v04k08          v04k09
Device group servers: haohstsv011      v04k08          v04k09
Device group servers: hadbstsv011      v04k08          v04k09
Device group servers: haaatrwl011      v04k08          v04k09
Device group servers: hadbtrwl011      v04k08          v04k09
Device group servers: haohtrwl011      v04k08          v04k09
Device group servers: haaatrdd011      v04k08          v04k09
Device group servers: hadbtrdd011      v04k08          v04k09
Device group servers: haohtrdd011      v04k08          v04k09
Device group servers: datadg1          v04k08          v04k09

```

-- Device Group Status --

```

          Device Group      Status
-----
Device group status: haappsrv          Online
Device group status: haohstsv011      Online
Device group status: hadbstsv011      Online
Device group status: haaatrwl011      Online
Device group status: hadbtrwl011      Online
Device group status: haohtrwl011      Online
Device group status: haaatrdd011      Online
Device group status: hadbtrdd011      Online
Device group status: haohtrdd011      Online
Device group status: datadg1          Online

```

-- Multi-owner Device Groups --

```

          Device Group      Online Status
-----

```

-- Resource Groups and Resources --

```

          Group Name      Resources
-----
Resources: ha-ora-rg      sc0011h1-pb1 ora-server-res ora-listener-res

```

-- Resource Groups --

```

          Group Name      Node Name      State
-----
Group: ha-ora-rg          v04k08          Error--stop failed
Group: ha-ora-rg          v04k09          Offline

```

-- Resources --

```

          Resource Name      Node Name      State      Status Message
-----
Resource: sc0011h1-pb1      v04k08          Stop failed Faulted
Resource: sc0011h1-pb1      v04k09          Offline      Offline

```

```
Resource: ora-server-res      v04k08      Offline  Offline
Resource: ora-server-res      v04k09      Offline  Offline

Resource: ora-listener-res    v04k08      Offline  Offline
Resource: ora-listener-res    v04k09      Offline  Offline
```

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-- IPMP Groups --

Node Name	Group	Status	Adapter	Status
-----	-----	-----	-----	-----

A cluster configuration file is also found in your email. Please do the best you can to explain what it does. Thank you