

CS 409 Quiz 1 Key

1. What is the purpose of an rpm file?

It is an archive of files related to a specific software collection and a manifest that describes the desired file. It is used to make it easier to install, uninstall, and manage system configuration activities.

2. What does the following line do in `/etc/inittab`?

```
num3:3:wait:/etc/rc.d/rc 3
```

`num3` is simply a label. The remainder is read by the `init` process and it dictates that at runlevel 3, `init` should execute `/etc/rc.d/rc` with a parameter of 3 and wait until it finishes before going on.

3. For the following, put a comment on each useful line describing its use.

```
service rsync \\  
{ \\  
    disable = no    \\\ \answer {This service is allowed to run}  
    socket_type = stream \\\ \answer {Listen on the TCP port}  
    wait       = no \\\ \answer {Multiple concurrent servers allowed}  
    user       = root \\\ \answer {Run as root}  
    server     = /usr/bin/rsync \\\ \answer {Executable file for the service}  
    no_access  = 0.0.0.0 \\\ \answer {Disable access for everyone}  
    only_from  = 166.66.66.0/22 \\\ \answer {Allow access from this domain}  
    log_on_failure += USERID \\\ \answer {On a failure, add the USERID to msg}  
} \\  

```

4. What does the following iptables command do?

```
iptables -A INPUT -s 140.10.20.0/24 -dport 110 -j ACCEPT
```

Add a rule to the end of the INPUT chain. Accept requests to port 110 (POP3) from any host matching the first 24 bits of 140.10.20.0