**FREQUENTLY ASKED QUESETIONS (FAQ) FOR RHCE**

1. What is the difference between Unix and Linux?
2. What are the security features available in Linux machine?
3. What is the main difference between RHEL x and RHEL x?
4. what is the la kernal version released for linux machines?
5. What is the default shell available in Linux?
6. what is the command to get the system information?
7. what is the command to list the hidden files in Linux?
8. Tell me the difference between GREP and FIND command?
9. What is the use of "pinfo" command?
10. How will make vi editor as a default editor to open a file?
11. What is difference between Gzip and Bzip?
12. How will perform archive in linux?
13. What is the command to retrive a file called "filetargz" to its original form?
14. Explain about linux Directory Hierarchy?
15. Explain about File types?
16. What is the command to perform Soft link explain its procedure to do that?
17. Give me a short description about the structure of hard disk?
18. If you partition a hard disk by using primary partition what would be its maximum partition limit?
19. What is the common tool available for partition in all linux Distribution
20. How will you make a partition using "parted" tool? Explain in detail?
21. What type of file system did Linux supports?
22. Explain the concept behind mounting?
23. How will you know whether your mounted device is perfectly mounted if mount command is not working ?
24. what are the feilds available in /etc/fstab?Explain each of the feild ?
25. Explain the swap concept?
26. How will you create swapfile in linux machine?
27. What is the command to view swap space ?
28. What is the command to create a new user with "sh" shell and home directory should be created in /var/username?
29. what are the important files get updated when you try to create a new user?
30. explain about the passwd file fields?
31. what is the command to change the user UID value?
32. what is the command to add a comment line for a user?
33. What is the use of creating group? explian about different types of groups in linux?
34. Whether you can change the GID of an normal user in passwd file?
35. How to lock the user password?
36. What is the command to change the password ageing of a user?
37. Explain what happens in background if you create an user using "useradd <username>" command?
38. If one of your client deleted his own home directory accidentally, he can't able to login properly ,he used to send a mail to the administrator that to recover his home directory to login again as a system administrator what will be your action in that issue?
39. How the password changed date appear in your file?
40. What is the command to kill the process in which if you dont know the PID of that process?
41. What is the command to monitor Cpu usage?
42. I want to schedule a backup job that should run on every morning o clock other than sunday ,how will you schedule that job to an user that should work automatically if my system is on running state?
43. What is the command to install a package in which the package is present in the web server(http)?
44. If you want to check the Installed package information what will you do?
45. What is the command to uninstall a package in your system using rpm command?
46. What is the difference between Freshen and Upgrading a package?
47. What is the second feild in the result of ls command?
48. What is rwx and UGO denotes?
49. What is stickybit & purpose of setting it? how will set a sticky bit to a folder?
50. what is SUID and SGID ?
51. If i had one file with permission --------- whether the owner can access or delete that file?
52. What is the concept behind Quota?
53. Can you define the quota database file name which is created when quotacheck -cu command is executed?
54. If you want to restrict an user to a inode limit of files and block usage limit of what will you do & how will you set that to that user?
55. Explain the booting process in linux system?
56. If i logged in with virtual console how to switch to graphical console?
57. What is init?what is the use of this process in linux system?
58. Explain about GRUB?
59. How to change the default runlevel?
60. What is the configuration file for network ip assigning?
61. What is the concept of Ip aliasing?
62. I tried to change the hostname of my machine to serverlinuxcom and still in my terminal its showing older one whats wrong in that can you reason me why?
63. What is ip bonding technique?
64. What is meant by Static Ip and Dynamis Ip?
65. Give me some examples for Text processinbg tools?
66. What is shared library?
67. Explain the concept of single-tier,two-tier,three-tier models in client-server architecture?
68. What is repository?
69. What is the main differences between rpm and yum package managment?
70. what are the package needed for yum server configuration ?explain the need of each package?
71. What is the command to install a package by using yum command?
72. What is the concept of yum server and client conection and installation?
73. If you need to install a third party software using yum what will you do?
74. How will use a third party repository?
75. What is the meant by static and dynamic ip?
76. How will set a static ip for a client using DHCP server?
77. What is the configuration file for DHCP?give me the port number for DHCP?
78. What is the use of DNS?
79. What are the types available in DNS?
80. Tell me the records available in DNS?
81. What is meant by Zones and explian about thetypes of zones?
82. What is the main configuration file for DNS in linux?
83. What are the tools available to check the DNS in redhat machine?
84. What are the package needed to configure DNS?and what is the port number for DNS?
85. What is the concept of slave DNS configuration?
86. What will you do if you cant able to ping the server from the client machine using server machines hostname?
87. What is ip based and name based virtual hosting?
88. tell me the configuration file for apache?
89. I am having a webpage "mywebhtml" how will you configure that it should be viewed by my intranet clients?
90. What is the port number and configuration file to share a folder via NFS?
91. What is the main difference between NFS V and NFS V?
92. what are the daemons runs on NFS and Explain each process?
93. How will you share a Folder explain it brief?
94. What is the use of NIS server ?
95. What are the packages needed to configure NIS ?
96. Explain the steps to configure NIS server?
97. What are the other services needed to run NIS?
98. What is the use of autofs?
99. What is the difference between autofs mounting and fstab mounting?
100. What is the use of /etc/automaster file ? give me the syntax to mount a nis user?
101. What are services that should run on client side to get NIS service?
102. Explain the concpet of NTP time synchronization?
103. What is meant by stratum?what is the purpose of it?
104. what is the configuration file for NTP server ?
105. How will you share the folder to windows machine from the linux machine?
106. What is the port number for CIFS?Explain the concept of connecting windows and linux?
107. If you want to take a backup of my windows machine D(drive)with the help of samba server what will you do?
108. What is squid? what is the purpose of squid?
109. What are the advantage of installing squid in your system?
110. I want to block a website with the help of URL what will you do as a system administrator?
111. I am one of your client i need to access internet at time basis (morning Am to evening Pm ) how will you do this using squid?
112. What is the default port number for squid?How will you block the particular host using http?
113. What made you to choose squid instead of iptables to block the service?
114. Tell me the difference between sendmail and postfix ?
115. Can you describe the mail server working model in detail?
116. What is the purpose of installing Dovecot ?
117. What is the use of /etc/mail/sendmailmc file ?
118. What are the three major protocols used to configure mail server and give me the port number for it?
119. What is the port number for ftp and explain that ports usage?
120. Tell the Configuration file for ftp and Explain the modifications you can done in that file?
121. If you want to deny a user to access a ftp server what will you do to do that?
122. Which file gets first preference to deny a user, ftpusers or user\_list?
123. What is the configuration file to configure telnet service?
124. If you want to login as anonymous user in ftp what will be its home directory?
125. What is the command to upload and download mulitple files?
126. Configure ssh to connect to my remote hosts?
127. In your server you are having a file named "file",you want to copy that file to your client using scp what will be the command syntax?
128. How will you secure your ssh connection?
129. What is the use of VNC server ?Give me a detail configuration of it?
130. How will you access a GUI(Desktop) from remote?
131. What is GNUpg ?Give me the reason why you need that in your system?
132. What are the Algorithms used to secure your system with GNUpg?
133. What is the daemon which run for printer service?what will be its port number?
134. What is CUPS?what for its used?
135. What are the commands could you use to manage printing job?explain each of it in detail?
136. What is the Use of LDAP server configuration?
137. How will you grant a permission to the local user to access a root commands?
138. What is tcpwrappers?what are the files used to do that tcpwrapper function?
139. I want to deny one of my host that using ssh using tcpwrappers ,what is the syntax to deny that host?
140. I am having issue in my security that i deny my user using ssh with tcpwrappers but he can able to connect what will be your action to stop that?
141. What is the difference between ipchains and iptabels?
142. What are the tables available in iptable and what are the chains each table has?
143. what is the rule to deny my host machine(ip mac DEHQW ) pinging your server(ip mac CADRFYU)?
144. I want to deny my system using your server ftp service (Note My system is using dhcp to get ip) what will you do ?
145. How will you make your redhat machine to act as a router?
146. What is NAT?
147. What is the use of ip forwarding in linux machine?
148. What is mean by SELinux?
149. What is the use of SELinux in your linux machine?
150. If you want to view the SELinux context of your files what is the command?
151. What are the modes available in SELinux ?
152. What is the configuration file for SELinux?
153. what is the command to monitor memory usage?
154. If one of your client report you that his user space is filled with data,What would be your action first?
155. what is the use of 'sar' command?
156. What is the use of NMAP tool?
157. I want to know my client machines Os info what will you do to get that information?
158. How will you come to know the open ports available in your client machines?
159. Whatr is packet sniffing?
160. What is the la version of kernal available for linux machines?
161. How will you compile the new kernal to add it to your system for ing it?
162. What are the methods you tends to follow to secure your web server?
163. What will you do to run your webservedr secure with https?
164. What is SSl ?
165. To generate a SSl certificate what are the packages needed?
166. How will you secure your webserver using user authentication explain it brief?
167. What is the concept of LVM?what is the new version of lvm which is in use in RHEL X ?
168. What is meant by physical volume and how the metadata get written in disk?
169. What is the use of Volume group in LVM?
170. What is the difference between lvm version and lvm version ?
171. I am having an lvm of M i want to reduce it to M what is the procedure to do that?
172. Consider that on e of your client using a lvm of G and his usage limit crossed the limit now you have to extend the volume to G what will you do?explain the steps?
173. How will you remove the lvm,volume group,physical volume in procedure?
174. What are the RAID levels available in redhat linux?Explain the concept of using RAID?
175. How will you configure RAID ?
176. What is HOTSPARE?what will it do in RAID?
177. What is the command to add a hotspare?and if one of my RAID device get corrupted how will you recover it?
178. Why they switched from using KVM(Rhel x) instead of XEN (RHEL x) for virtualization?
179. What are the packages needed to install KVM ?
180. What are the packages needed to configure kickstart?
181. What is the concept of kickstart installation?
182. Can you explain in short about the configuration of kickstart?
183. If you forgot your root password how will you start your system with the new root password?
184. How will you rescue your corrupted data hard disk without data loss?
185. what is single user mode?give me the purpose of it?

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