MasterClass on Linux and Docker-REGex Software Services

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**Q1. Create a file via touch and update that file and also verify the timestamp and output will be redirected to another file.**

**Solution:-**

**Creating a File :- touch Command**

run the touch command with file name:

**$ touch file.txt**

If file.txt already present time of creation get changed else creates new one.

**Updating file :- echo**

**$ echo "Hi Shubhendra! " >> file.txt**

This command will write “Hi Shubhendra in that file”.

**Verify :- timestamp**

Use stat command to see all time stamp

**$ stat <filename>**

**Q2. Add some of the data as per your choice and append that data via echo command in the same file.**

**Solution:-**

**$ echo “ hi, Shubhendra here.” >>file.txt**

**Q3. Install httpd and set up your own web server.**

**Solution:-**

installing httpd , use commands

**$ sudo yum install httpd**

**$ sudo systemctl enable httpd**

**$ sudo systemctl start httpd**

**Q4. Copy some files from one Linux host to another Linux host via SCP.**

**Solution:-**

for copying a file from a local to a remote system run the following command:

**$ scp file.txt** [**username@** **127.0.0.1:/remote/directory**](mailto:remote_username@10.10.0.2:/remote/directory)

file.text->name of file

Username-> user

127.0.0.1-> server ip address

Now enter password to start process.

Q5. Create another VM and setup password less authentication.

**Solution:-**

**Generate SSH Key Pair**

he first thing you need to do is generate an SSH key pair on the machine you are currently working on.

**$ ssh-keygen -t rsa -b 4096 -C "your\_email@domain.com"**

type in the location where you want to store the keys

The output then tells you where it stored the identification and public key and gives you the key fingerprint.

**Upload Public Key to Remote Server**

Connect to the remote server and use the **ssh-copy-id** command:

**$ ssh-copy-ide [remote\_username]@[server\_ip\_address]**

**Log in to Server Without Password**

Check whether the setup works by running the command:

**$ ssh [remote\_username]@[server\_ip\_address]**

The system should directly log you in to the remote server, no password required.