

# AINUX

— TASTE OF LINUX —

WELCOME TO THE WORLD OF  
LINUX

DAY - 1

# Automating Installation with Kickstart

using a feature called “*Kickstart*”. In this case installation process solves it’s query from an answer file, that is call “*kickstart answer file*”. Which is located at the server end.

You can un-attended install RHEL7 with process.

1. With DVD support at Client machine.
2. Network Based (FTP, HTTP, NFS) in that case you don’t need any installation DVD.

Note: - In RHCSA exam we will cover first process.

## **Kickstart Configuration Process to remember**

### **Server end configuration**

1. Change the server host-name
2. Configure Network with a static IP.
3. Configure network based yum server. (Here I’ve used FTP protocol)
4. Install DHCP Role and configure DHCP Server.
5. Create a kickstart answer file into “/var/ftp/pub”.
6. Allow FTP and DHCP service into firewall and reload firewall service.
7. Restart FTP and DHCP Service.

# Automating Installation with Kickstart

## Client end configuration

1. Start machine with CDROM support.
2. Select first option ("Install Red Hat Enterprise Linux 7.3") and press "TAB" key.
3. At the end of line you have to write down "Kickstart answer file's" path and press "enter".

## **Kickstart Installation Configuration Process**

1. I've already shown Host-name, Network, ftp based YUM configuration earlier. So I will show the configuration from DHCP.
2. `yum install dhcp`
3. `cp -rv "/usr/share/doc/dhcp-4.2.5/dhcpd.conf.example"`  
`"/etc/dhcp/dhcpd.conf"`
4. `vim "etc/dhcp/dhcpd.conf"`

Change the following and put "#" symbol before every remaining line

# DHCP server to understand the network topology.

```
subnet 10.10.10.0 netmask 255.255.255.0 {  
}
```

# This is a very basic subnet declaration.

```
subnet 10.10.10.0 netmask 255.255.255.0 {  
range 10.10.10.5 10.10.10.20;
```

# Automating Installation with Kickstart

## Server end configuration

5. `Systemctl start dhcpd`
6. `Systemctl enable dhcpd`
7. `Firewall-cmd --permanent --add-service=dhcp`
8. `yum install system-config-kickstart`
9. `System-config-kickstart`
10. Set all option and save the file into `"/var/ftp/pub"` directory as `"ks.cfg"`
11. `chmod 644 /var/ftp/pub/ks.cfg`

Note:- To Check DHCP Client List and Optained IP Details

```
# cat /var/lib/dhcpd/dhcpd.lease
```

## Client end configuration

1. Start machine with CDROM support.
2. Select first option ("Install Red Hat Enterprise Linux 7.3") and press "TAB" key.
3. At the end of line you have to write down the following  
`ks=ftp://10.10.10.1/pub/ks.cfg`
4. Press Enter key.

The top of the image features a decorative header with a wavy, flowing pattern. The colors transition from a bright yellow on the left, through orange and red, to a vibrant green and blue on the right. Below this, the background is a solid black.

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THANK YOU