**Pxe-legacy安装3.3**

**一、网卡配置**

enp0s25 192.168.1.2

1. **软件安装**

yum安装vsftpd、dnsmasq、shim、nfs、syslinux

**二、dhcp配置**

编辑/etc/dnsmasq.conf添加如下配置

interface=enp0s25（根据实际网卡修改）

dhcp-range=192.168.1.3,192.168.1.100,12h（根据实际ip修改）

dhcp-boot=**pxelinux.0**（引导文件）

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| **conf-dir=/etc/dnsmasq.d,.rpmnew,.rpmsave,.rpmorig**  **bogus-priv**  **filterwin2k**  **interface=enp0s25**  **dhcp-range=192.168.1.3,192.168.1.100,12h**  **dhcp-boot=pxelinux.0**  **enable-tftp**  **tftp-root=/var/tftp/6A/**  **dhcp-authoritative** |

1. **tfp配置**

mount /dev/cdrom /mnt (挂载光盘镜像)

vim /etc/exports添加如下

/mnt \*(ro,sync)

systemctl start nfs

**1、创建tftp目录**

mkdir -p /var/tftp/6A

cp /usr/share/syslinux/pxelinux.0 /var/tftp/6A/

**cp /mnt/isolinux/\* /var/tftp/6A/**

**mkdir -p /var/tftp/6A/pxelinux.cfg/**

**cp /mnt/isolinux/isolinux.cfg /var/tftp/6A/pxelinux.cfg/default**

**2、修改引导文件**

**vim /var/tftp/6A/pxelinux.cfg/default修改添加ks=ftp://192.168.1.2/aks.cfg**

**内容如下**

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| **default vesamenu.c32**  **timeout 6**  **display boot.msg**  **# Clear the screen when exiting the menu, instead of leaving the menu displayed.**  **# For vesamenu, this means the graphical background is still displayed without**  **# the menu itself for as long as the screen remains in graphics mode.**  **menu clear**  **menu background splash.png**  **menu title UniKylin 3.3**  **menu vshift 8**  **menu rows 18**  **menu margin 8**  **#menu hidden**  **menu helpmsgrow 15**  **menu tabmsgrow 13**  **# Border Area**  **menu color border \* #00000000 #00000000 none**  **# Selected item**  **menu color sel 0 #ffffffff #00000000 none**  **# Title bar**  **menu color title 0 #ff7ba3d0 #00000000 none**  **# Press [Tab] message**  **menu color tabmsg 0 #ff3a6496 #00000000 none**  **# Unselected menu item**  **menu color unsel 0 #84b8ffff #00000000 none**  **# Selected hotkey**  **menu color hotsel 0 #84b8ffff #00000000 none**  **# Unselected hotkey**  **menu color hotkey 0 #ffffffff #00000000 none**  **# Help text**  **menu color help 0 #ffffffff #00000000 none**  **# A scrollbar of some type? Not sure.**  **menu color scrollbar 0 #ffffffff #ff355594 none**  **# Timeout msg**  **menu color timeout 0 #ffffffff #00000000 none**  **menu color timeout\_msg 0 #ffffffff #00000000 none**  **# Command prompt text**  **menu color cmdmark 0 #84b8ffff #00000000 none**  **menu color cmdline 0 #ffffffff #00000000 none**  **# Do not display the actual menu unless the user presses a key. All that is displayed is a timeout message.**  **menu tabmsg Press Tab for full configuration options on menu items.**  **menu separator # insert an empty line**  **menu separator # insert an empty line**  **label linux**  **menu label ^Install UniKylin 3.3**  **kernel vmlinuz**  **append initrd=initrd.img ks=ftp://192.168.1.2/aks.cfg quiet**  **label check**  **menu label Test this ^media & install UniKylin 3.3**  **menu default**  **kernel vmlinuz**  **append initrd=initrd.img ks=ftp://192.168.1.2/aks.cfg rd.live.check quiet**  **menu separator # insert an empty line**  **# utilities submenu**  **menu begin ^Troubleshooting**  **menu title Troubleshooting**  **label vesa**  **menu indent count 5**  **menu label Install UniKylin 3.3 in ^basic graphics mode**  **text help**  **Try this option out if you're having trouble installing**  **UniKylin 3.3.**  **endtext**  **kernel vmlinuz**  **append initrd=initrd.img inst.stage2=hd:LABEL=UniKylin-3.3 xdriver=vesa nomodeset quiet**  **label rescue**  **menu indent count 5**  **menu label ^Rescue a UniKylin system**  **text help**  **If the system will not boot, this lets you access files**  **and edit config files to try to get it booting again.**  **endtext**  **kernel vmlinuz**  **append initrd=initrd.img inst.stage2=hd:LABEL=UniKylin-3.3 rescue quiet**  **label memtest**  **menu label Run a ^memory test**  **text help**  **If your system is having issues, a problem with your**  **system's memory may be the cause. Use this utility to**  **see if the memory is working correctly.**  **endtext**  **kernel memtest**  **menu separator # insert an empty line**  **label local**  **menu label Boot from ^local drive**  **localboot 0xffff**  **menu separator # insert an empty line**  **menu separator # insert an empty line**  **label returntomain**  **menu label Return to ^main menu**  **menu exit**  **menu end** |

1. **cp /root/anaconda-ks.cfg /var/ftp/**

**mv anaconda-ks.cfg aks.cfg**

**chmod 777 /var/ftp/aks.cfg**

**修改安装文件/var/ftp/aks.cfg**

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| --- |
| **#version=DEVEL**  **# System authorization information**  **auth --enableshadow --passalgo=sha512**  **# Use CDROM installation media**  **#cdrom**  **nfs --server=192.168.8.2 --dir=/mnt**  **# Use graphical install**  **graphical**  **# Run the Setup Agent on first boot**  **firstboot --enable**  **ignoredisk --only-use=sda**  **# Keyboard layouts**  **keyboard --vckeymap=cn --xlayouts='cn'**  **# System language**  **lang zh\_CN.UTF-8**  **# Network information**  **network --bootproto=dhcp --device=ens33 --onboot=off --ipv6=auto --no-activate**  **network --hostname=localhost.localdomain**  **# Root password**  **rootpw --iscrypted $6$GSsGkKoSvGZ5HB/D$bi3dCIbslVqzuZEkSTmqF2i1l7hmiKs5fSVPazTbMuaVC.PiAqb3nFqKHyioZEipw8QRCpxnSU9o/Q5KnpL3G1**  **# System services**  **services --enabled="chronyd"**  **# System timezone**  **timezone Asia/Shanghai --isUtc**  **# X Window System configuration information**  **xconfig --startxonboot**  **# System bootloader configuration**  **bootloader --append=" crashkernel=auto" --location=mbr --boot-drive=sda**  **#autopart --type=lvm**  **# Partition clearing information**  **#clearpart --none --initlabel**  **zerombr**  **#删除所有分区**  **clearpart --all**  **#进行分区**  **part /boot --fstype="xfs" --ondisk=sda --size=1024**  **part /boot/efi --fstype="efi" --ondisk=sda --size=1024 --fsoptions="umask=0077,shortname=winnt"**  **#创建pv**  **part pv.2000 --fstype="lvmpv" --ondisk=sda --size=18431**  **#创建vg**  **volgroup kylin --pesize=4096 pv.2000**  **logvol / --fstype="xfs" --size=16000 --name=root --vgname=kylin**  **logvol swap --fstype="swap" --size=2048 --name=swap00 --vgname=kylin**  **#下载软件包**  **%packages**  **@^Desktop-Applications-Terminal**  **@base**  **@core**  **@desktop-debugging**  **@dial-up**  **@directory-client**  **@fonts**  **@guest-agents**  **@guest-desktop-agents**  **@input-methods**  **@internet-browser**  **@java-platform**  **@mate-apps**  **@mate-desktop**  **@multimedia**  **@network-file-system-client**  **@networkmanager-submodules**  **@print-client**  **@x11**  **chrony**  **kexec-tools**  **%end**  **%addon com\_redhat\_kdump --enable --reserve-mb='auto'**  **%end**  **%anaconda**  **pwpolicy root --minlen=6 --minquality=1 --notstrict --nochanges --notempty**  **pwpolicy user --minlen=6 --minquality=1 --notstrict --nochanges --emptyok**  **pwpolicy luks --minlen=6 --minquality=1 --notstrict --nochanges --notempty**  **%end** |

1. **启动服务**

**systemctl stop firewalld**

**setenforce 0**

**systemctl restart nfs**

**systemctl start vsftpd**

**systemctl restart dnsmasq.service**