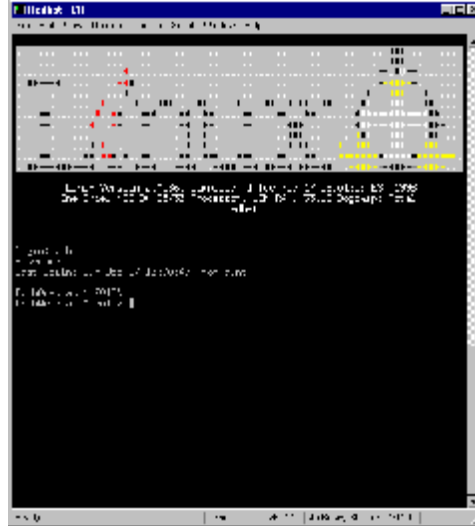


Installing Linux_logo

Introduction

Linux_logo is a simple program that shows a logo with some associated system information.

It is typically run at boot time to create an interesting login banner:



Linux_logo is distributed in source format, so it makes a simple exercise in configuring and compiling software as well as modifying a system startup script.

You will need to ensure that you have installed the C compiler for this session.

You should be root for this session.

See Also

getty (8), issue (5), make (1), tar (1), cd (1), less (1), rm (1)

http://www.deater.net/weave/vmwprod/linux_logo/

Extracting The Linux_logo Source Code

Linux_logo is distributed as a gzip compressed tar file, so the first thing to do is to extract it.

From your home directory, type:

```
% tar zxvf linux_logo-2.12.tar.gz
% cd linux_logo-2.12/
```

Read The Fabulous Manual

Always a good thing to do!

```
% less README
```

Compile And Install The Program And Documentation

The Makefile that comes with linux_logo is set up to install the program, but the author has forgotten about the documentation! You will need to modify the Makefile first. Edit the install target so that it becomes:

```
install: linux_logo linux_logo.1
    cp linux_logo /usr/local/bin
    -mkdir /usr/local/man/man1
    cp linux_logo.1 /usr/local/man/man1/
```

Installing Linux_logo

The layout of a Makefile is important: indented lines **must** begin with a <TAB> character. Make will complain if you omit this or simply use spaces.

After modifying the makefile, you should then type (as root, of course):

```
# make install
```

The linux_logo program, and its associated documentation should now be installed properly.

Insert Into The System Startup Sequence

Modify /etc/rc.d/rc.local. Change from:

```
echo "" > /etc/issue
echo "$R" >> /etc/issue
echo "Kernel $(uname -r) on $a $(uname -m)" >> /etc/issue
```

To:

```
echo "" > /etc/issue
/usr/local/bin/linux_logo -f -k. >> /etc/issue
echo " " >> /etc/issue
```

Clean Up

After you have installed linux_logo you won't want all the source files and intermediate files hanging around:

```
% cd
% rm -rf ./linux_logo-2.12
```

Reboot

When you try to login after the system has rebooted you will see a colorful banner resembling that shown at the beginning of this exercise sheet.