

A computer monitor is shown in the background, slightly out of focus. A heavy metal chain is draped over the top and right sides of the monitor, and a large padlock is attached to the chain, symbolizing security or access control.

# Linux Servers and NAS

## What's the Big Deal?

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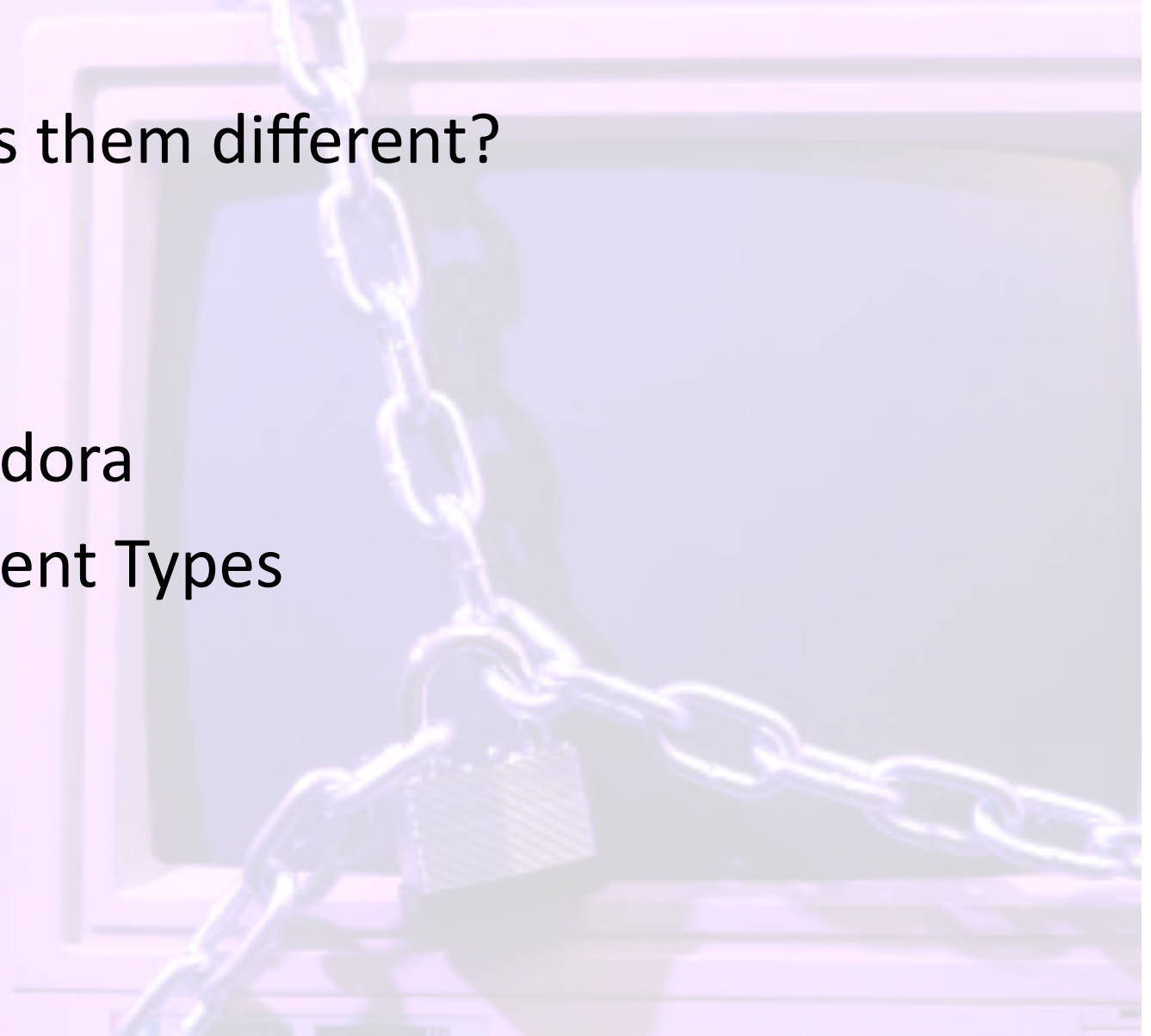
# First Things First



- District Policies
  - Security Policies
  - Remote Access
- Procedures In Place
  - Remote Access
  - Updates
- Check with Net Admin

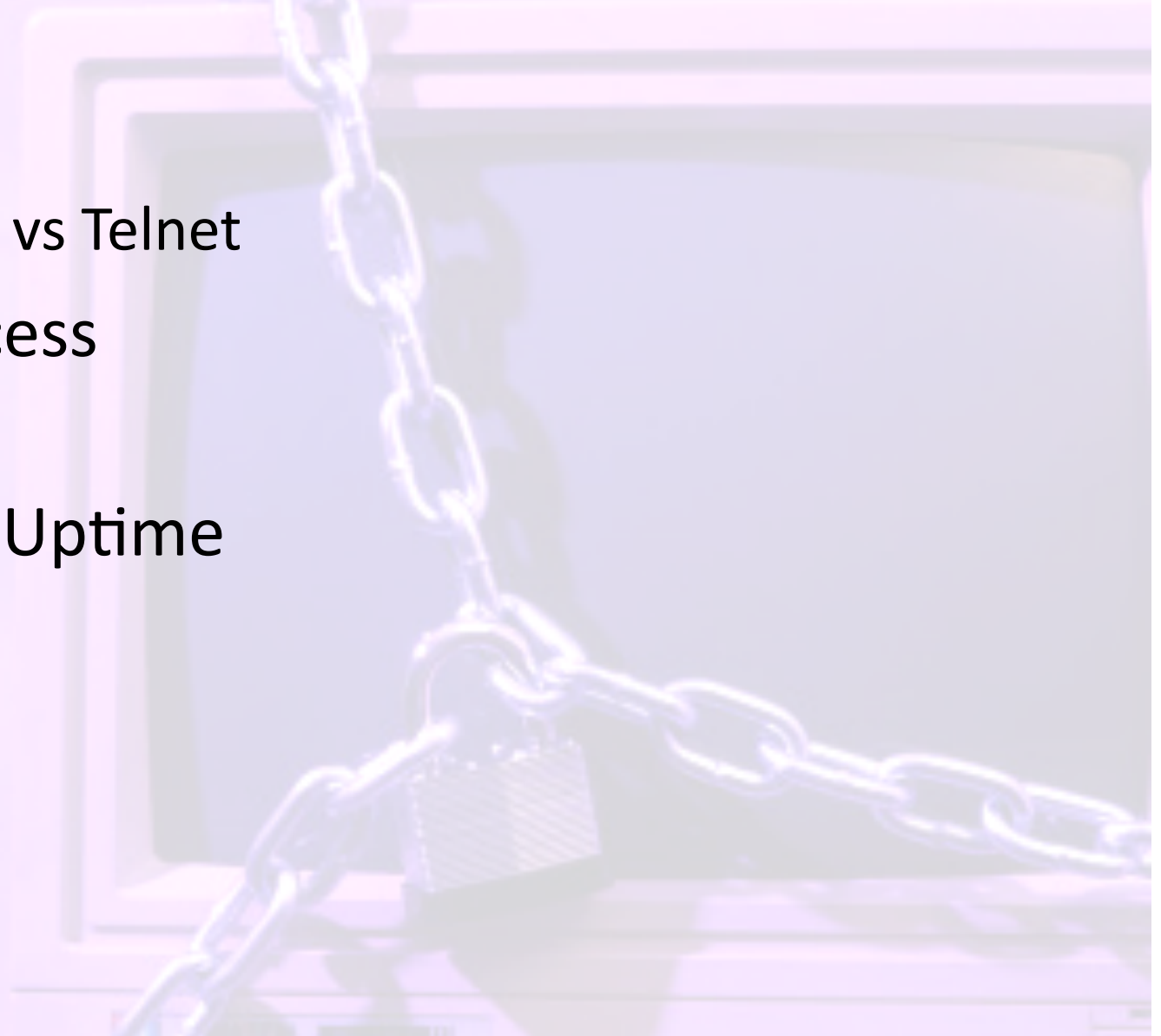
# Flavors

- What makes them different?
- Ubuntu
- FreeBSD
- RedHat / Fedora
- Many Different Types



# Why look at Linux Servers?

- Security
  - SSH vs FTP vs Telnet
- Remote Access
  - SSH, SCP
- Reliability / Uptime



# So what, I can get all with MS Windows

- Samba / NFS / AFP / SSL
- Remote Accessibility
- Open Source Packages
- Less Resources
- Command Line Tools / Built In or Simple Apt-Get
- Customize

# Web Servers

A computer monitor is shown in the background, slightly faded. A heavy metal chain is draped over the monitor, and a large padlock is attached to it, symbolizing security and protection of data.

- Easy Directory Placement
- PHP, HTML, Support all kinds
- Secure Copying
- Databases
  
- Forum
- Wiki
- Monitoring

# Packages



- Tutorials Tutorials Tutorials
  - Tons out there to find
- Howto's – More than you could want
- Make your own
- Script It

# Scripting



- Perl
- Bash
- Make your own
- Make the system work for you
- Write your own backups to output to webpage or email.

# Bonuses

A computer monitor is shown in the background, slightly faded. A heavy metal chain is draped over the monitor, and a padlock is attached to it, symbolizing security or restrictions.

- Syslogs
- Monitoring
- No Cost OS
- No Cals / License


# NAS

The background of the slide features a faded image of a computer monitor. A heavy metal chain is draped across the monitor, and a large padlock is attached to it, symbolizing security or protection of data.

- Network Attached Storage
- FreeNAS
  - FreeBSD
  - Build your own
  - Software RAID
  - Multiple File Systems
  - Reports

A photograph of a computer monitor with a heavy metal chain wrapped around its frame and a padlock attached to it. The image is overlaid with a semi-transparent purple filter. The word "Questions" is centered in black text over the monitor's screen area.

Questions

A computer monitor is shown in the background, slightly out of focus. A heavy metal chain is draped over the top and right sides of the monitor. A large, silver-colored padlock is attached to the chain, positioned in the lower right quadrant of the image. The entire scene is overlaid with a semi-transparent purple filter.

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