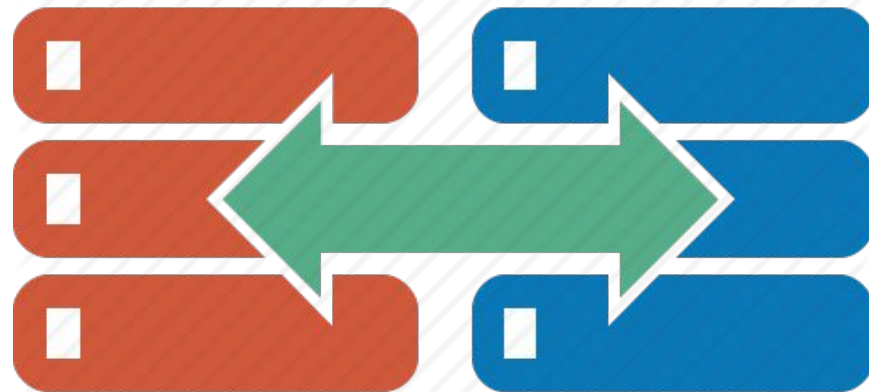


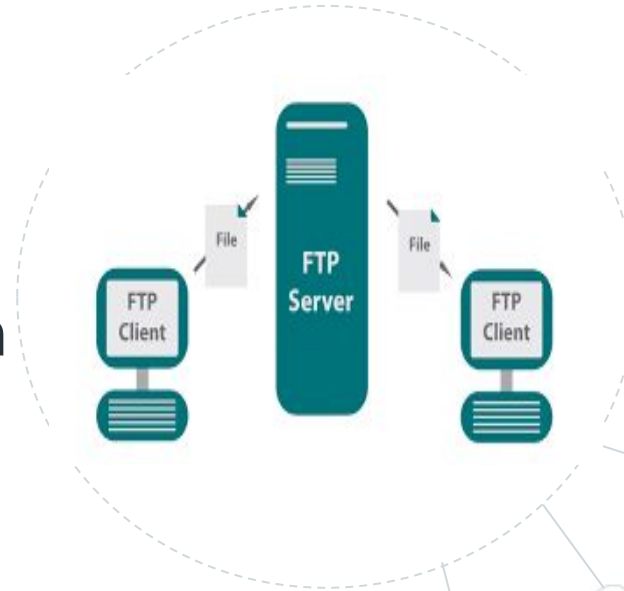
# How to FTP



# What is FTP?

## File Transfer Protocol

It allows you to move files between computers. Basically, a stripped down google drive



# Example server

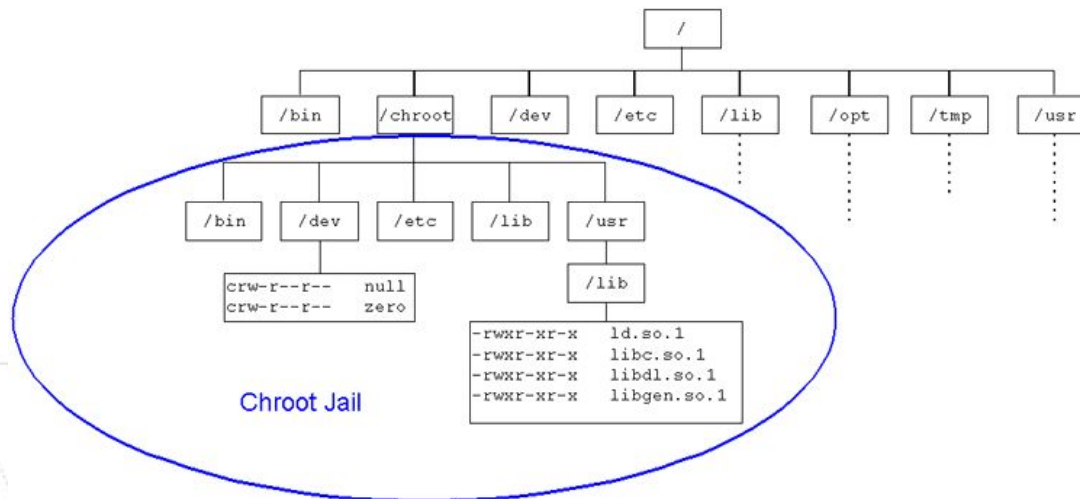
Try accessing  
<ftp.mozilla.org> in your  
browser



If you wanted to, you could get firefox  
here!

Let's take a closer look at [ftp.mozilla.org](http://ftp.mozilla.org)

- ◎ It says “Index of /”
  - Why would they give us access to /? Doesn't that compromise their system?
- ◎ This is known as a chroot jail
  - What does chroot mean?
  - Why do we need it?





1.

# Different types of FTP servers

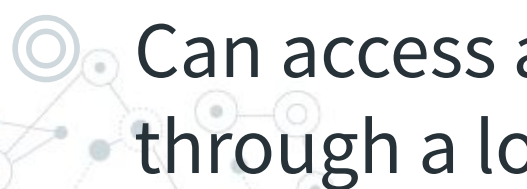
Wait what there's more than 1?

## Different FTP servers

- ◎ FTP is not secure
  - Just look up when it was created
  - What's wrong with it?
- ◎ Different servers arose in order to provide the FTP service with higher levels of security
  - Ex: Vsftpd and Pureftpd



But wait there's more!

- ◎ Anonymous vs non-anonymous servers
    - Some servers are built so that anyone can access
      - ◎ Such as mozilla.firefox.org
    - But some servers are for private usage
      - ◎ Ex: a company is hosting files ONLY for employee access
  - ◎ Can access an anonymous server by providing username/passwd as “anonymous”
  - ◎ Can access a non-anonymous server through a local user
- 

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. The nodes are represented by small circles, some of which are larger and have concentric circles inside, suggesting different levels or types of nodes. The lines are thin and gray, connecting the nodes in a non-linear fashion.

# 2. Configuration

Ya yeet



## General steps

- ◎ Install the latest version of your desired FTP server
  - ◎ Allow FTP through the firewall
  - ◎ Create the appropriate local users (for non-anonymous server) and a chroot directory
  - ◎ Configure in `/etc/vsftpd.conf`
    - Can set options to allow for anon/not anon
    - Setup the chroot jail
- Security options

