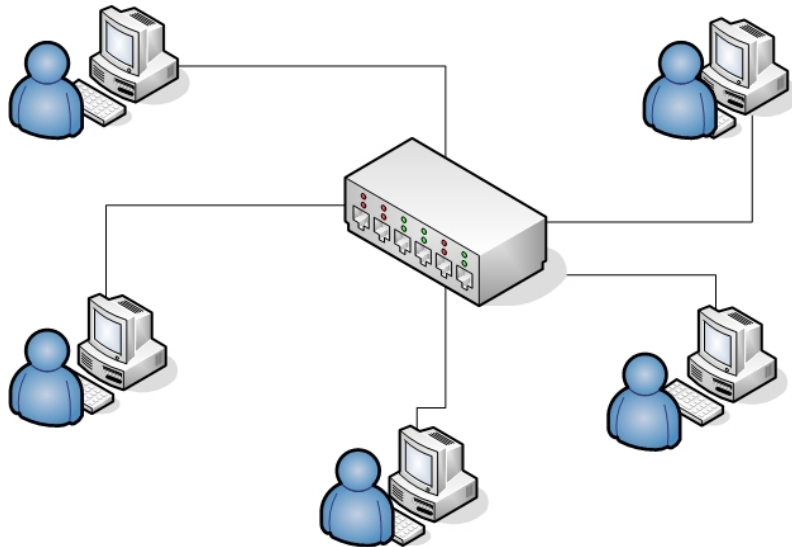


# Introduction

## The contents of the presentation

- **Overview of LTSP**
- **Benefits of LTSP**
- **How can Nepal benefit from it?**
- **LTSP deployments**

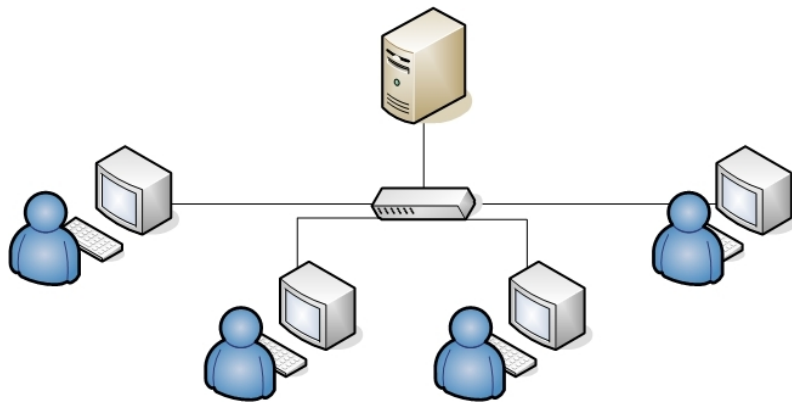
# Traditional Approach to Computer Lab



## Problems:

- Software replicas and its cost
- Wasteful disk space and processor time
- Maintenance issue
- Cost...

# The Solution: sever client approach



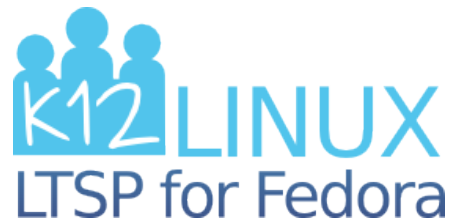
## Solution:

- A powerful central computer
- Diskless workstations
- Gets services from central

# LTSP: Linux Terminal Server Project

What is LTSP?

- LTSP is an add-on package for Linux
- Allows many people to simultaneously use the same computer
- LTSP is not a Linux distribution
- Available as packages or distribution like



...

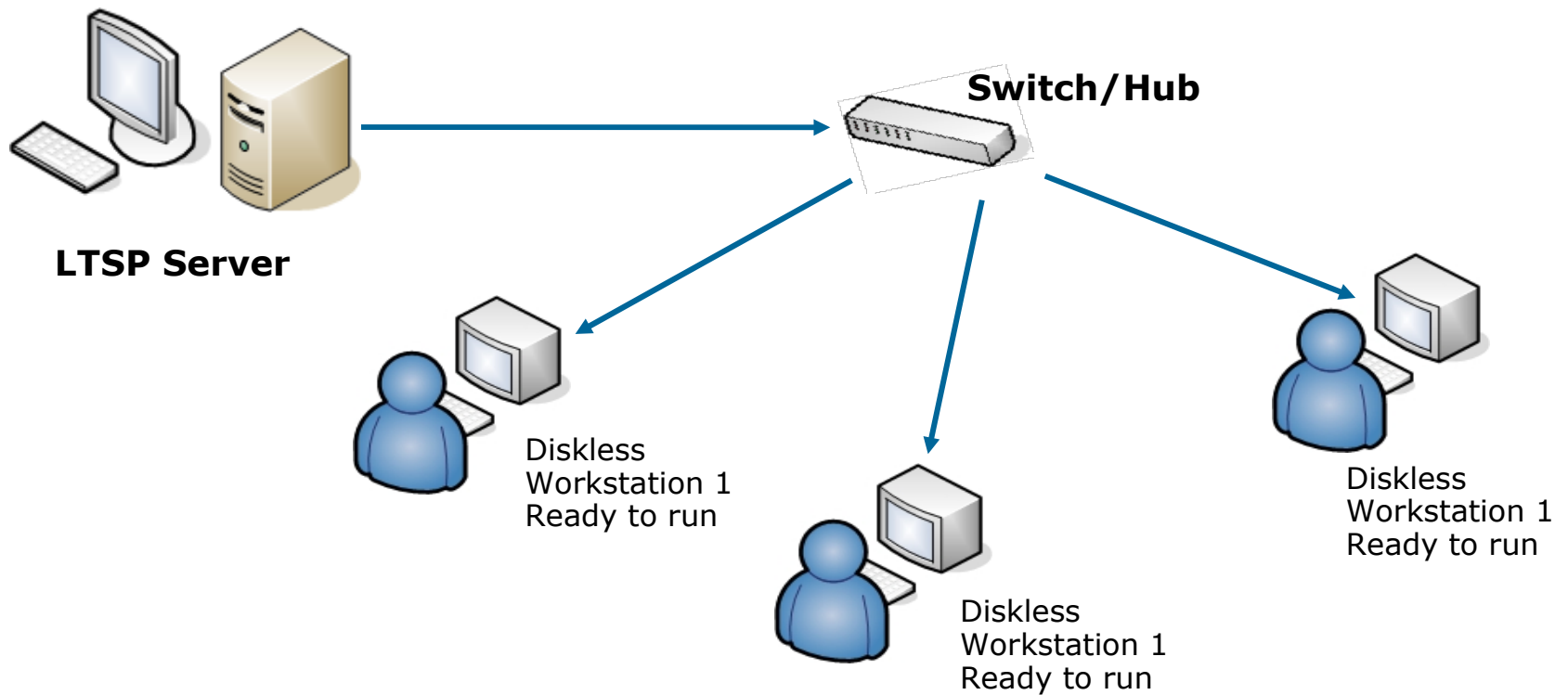
# What we need

- Server: PIV onwards with 1.6Ghz and 256 RAM + 40-50 RAM per Client
- Client: Diskless 80486 with 8 Mb Onward
- Networking infrastructure
  - For Better performance
    - P1 133 MHz 32MB RAM with AGP card
- LTSP installed in server
- The above requirements are for 10 terminals, it can vary depending upon number of terminals

# What to do

- Choosing a Server
- Install the Server Software
- Add Client Software to the Server
- Configure Services for the Workstations
- Startup Services on the Server
- Add Users
- Configure boot priority of clients and boot via network using PXE

# How does it works



# What do we get

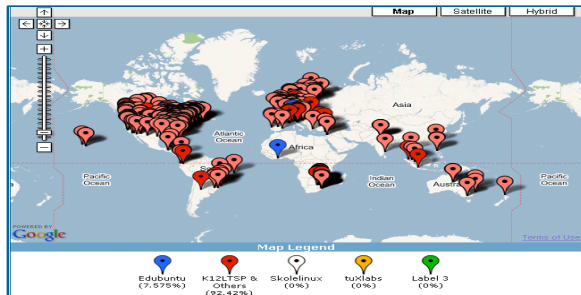
- **Ease of installation**
- **A full FOSS based system**
- **Good performance from old machines**
  - **Reduces your cost**
  - **Helps you still re-use your old machines**
- **Other Reduced Maintenance Issues**
  - **Virus attack**
  - **No Individual PC Maintenance**
- **Ease of Expansion or Replacement**
- **Easy System Administration for troubleshooting and upgrades**



# Why LTSP solution in Nepal

- Terminals may be low-end computers
  - They cost less
  - Maintenance is easier
  - Old PCs, phased out PCs can be used
- Softwares – cheaper or usually free
- Upgrade aren't expensive
- Only server needs to be maintained
- Softwares installation only in sever
- Minimal budget – reach more people

# LTSP deployments



**Dhading  
Phulchowki  
Sindhupalchowk  
Dailekh  
Dang  
Bhaktapur**



# **Any Questions**

