

# LTSP

## O terminal burro voltou?

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# Agenda

- Sobre LTSP
- Funcionamento
- Demonstração

# Terminal burro

- Interface texto
- Sem disco rígido
- Sem SO
- Conexão serial
- Décadas 70/80 (início 90)



# Sobre LTSP

# História

- *Linux Terminal Server Project*
- Fundador e líder do projeto: Jim McQuillan (e Ron Colcernian)
- Criado em 1999

# Vantagens

- Dados gravados de forma centralizada
- Manutenção *softwares* apenas no servidor
- Economia de energia
- Eliminação dispositivos mecânicos

# Desvantagens

- Ponto único de falha
- Java e Flash (até a versão 4.2)
- Aplicações multimídia

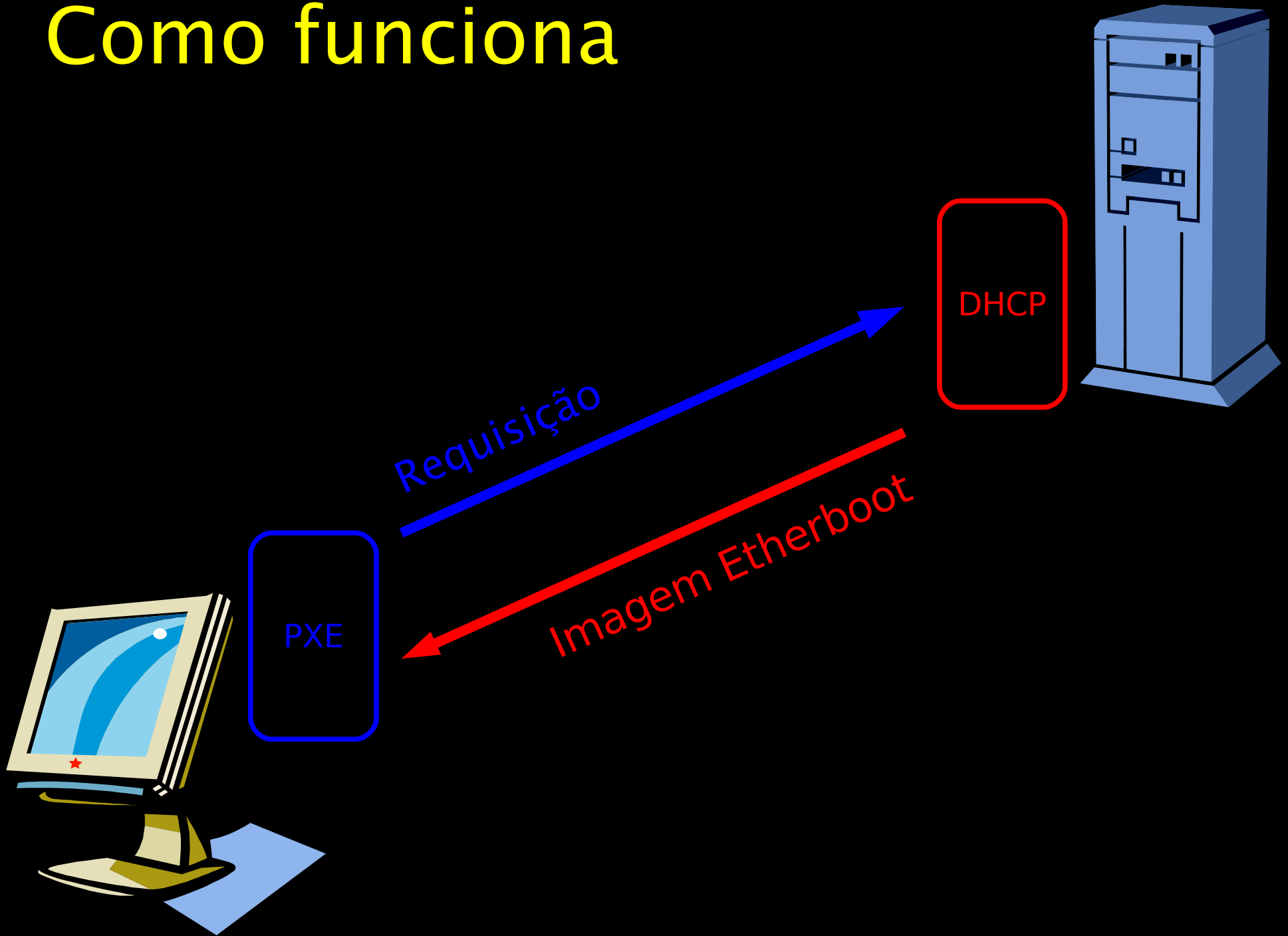
Funcionamento



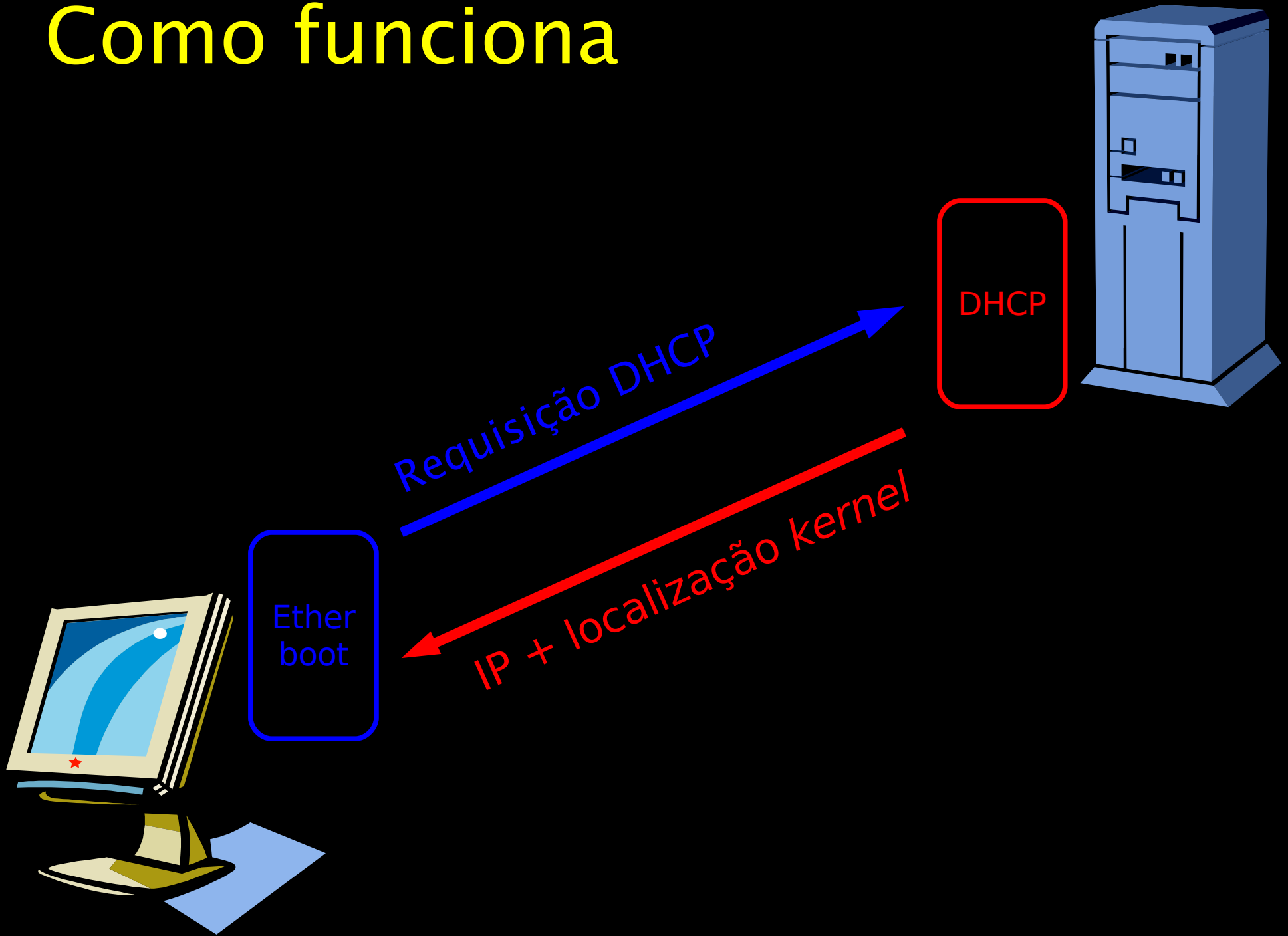
# Serviços

- DHCP
- TFTP
- NFS
- XDMCP

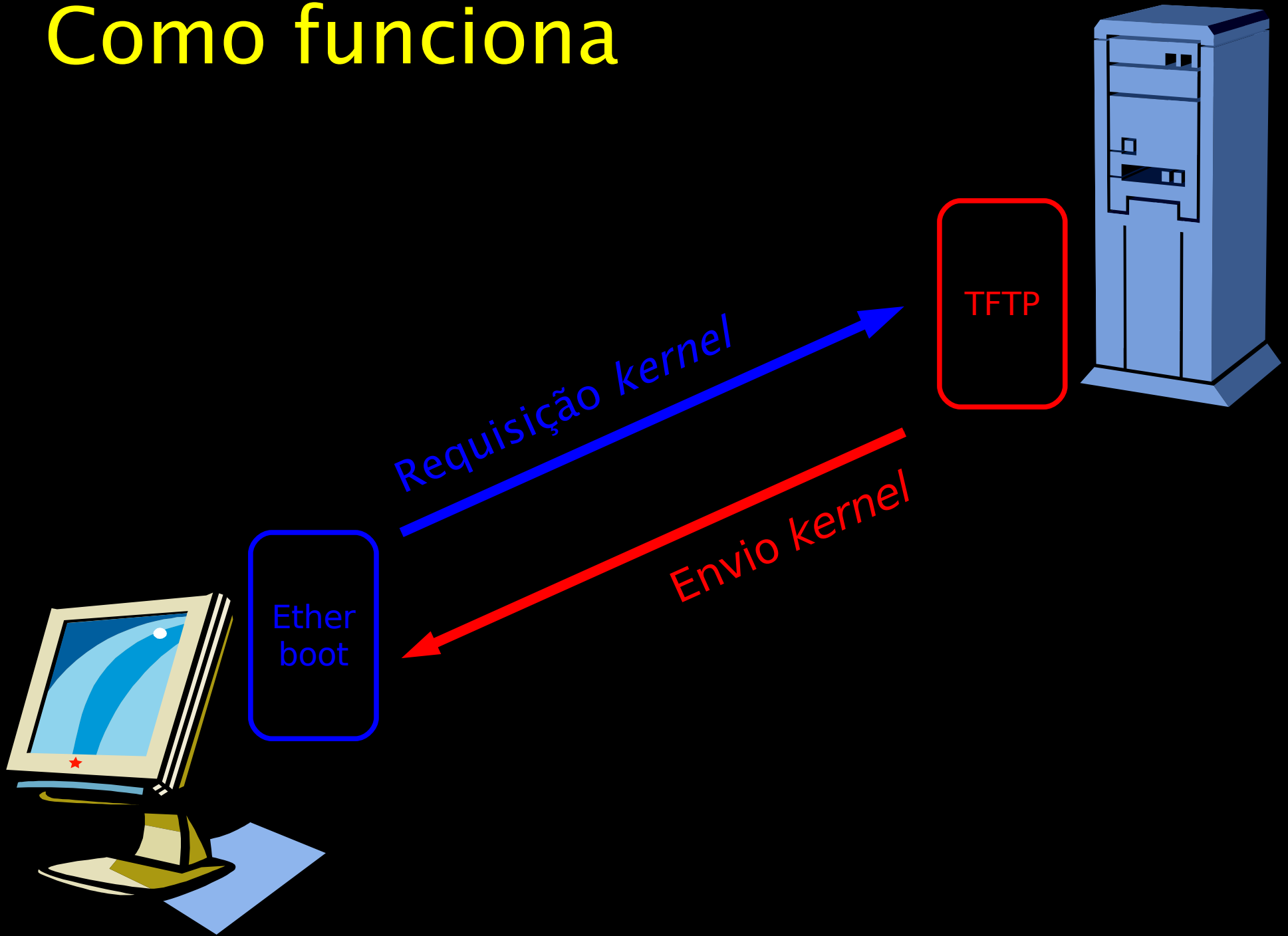
# Como funciona



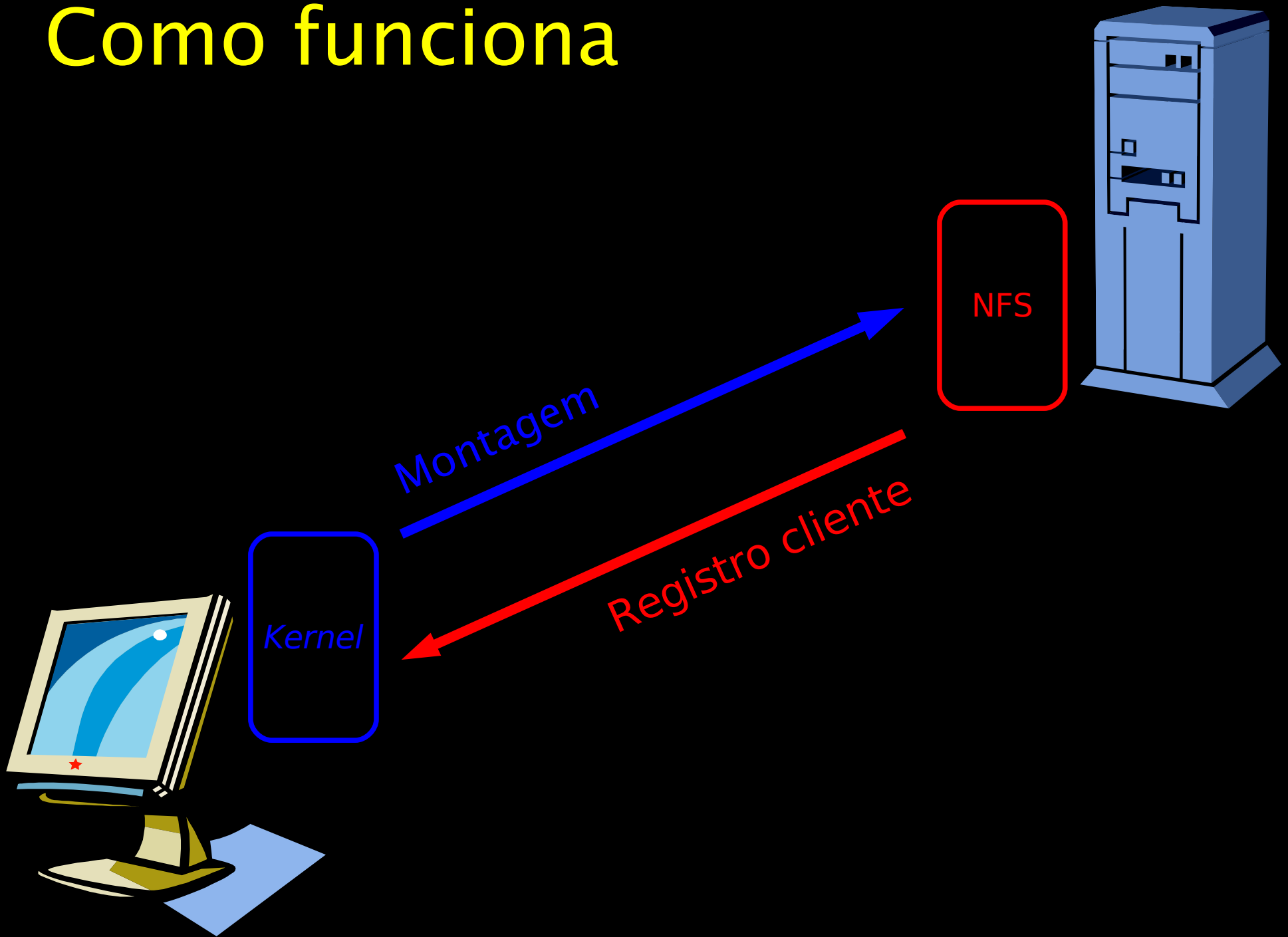
# Como funciona



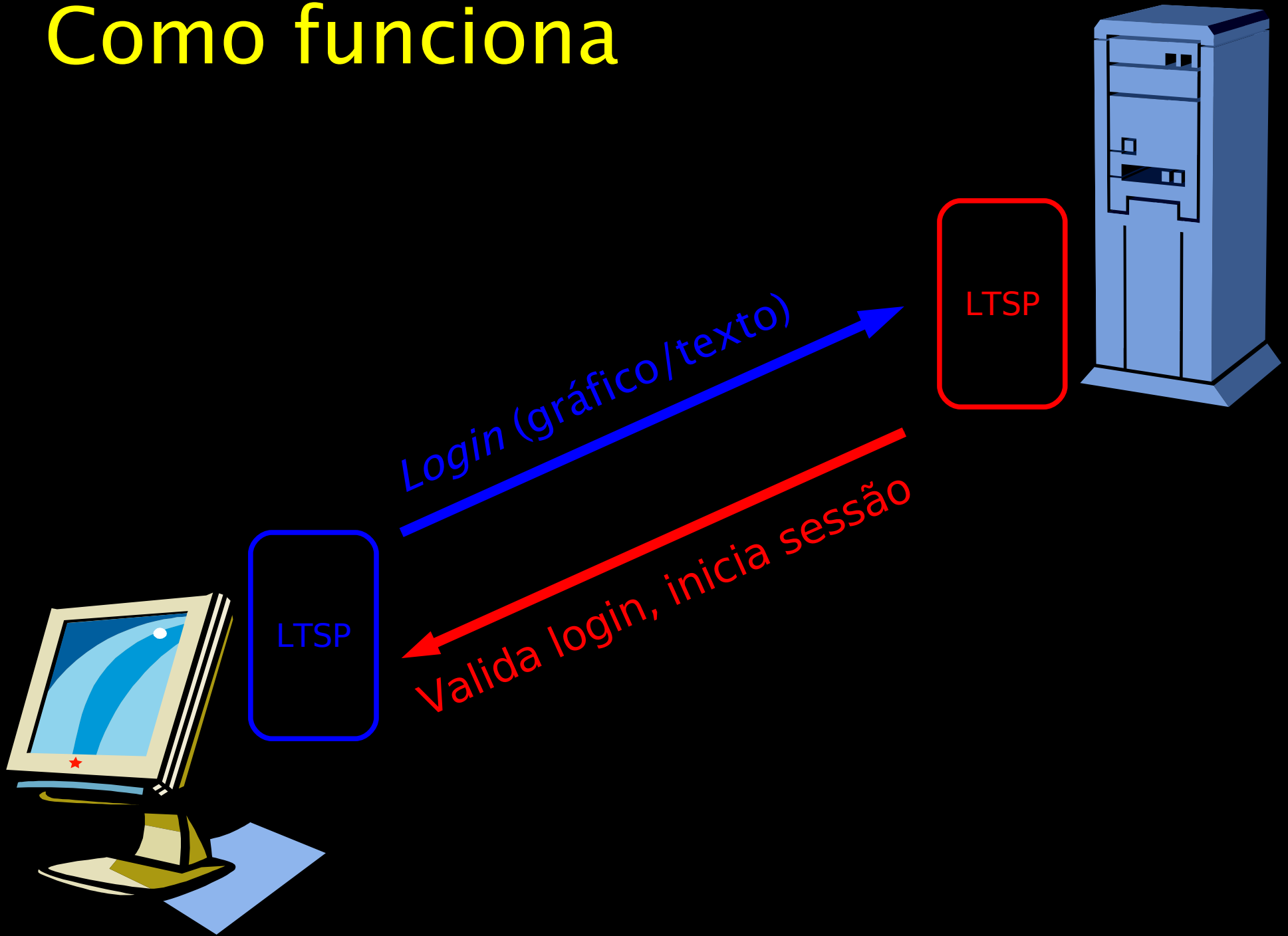
# Como funciona



# Como funciona



# Como funciona



# *Thin clients*

- Baixo custo de administração – sem armazenamento local (facilita substituição e maior segurança roubo)
- Economia energia
- Uso mais eficiente recursos computacionais
- Baixo nível ruído



Demonstração



# Servidor

- AMD Turion 64 X2 (1.6GHz)
- 2GB RAM
- Slackware 12.0
- LTSP 4.2

# Estação 1

- Pentium 100MHz
- 48MB RAM
- Unidade de disquete
- Placa de rede Realtek 8139

## Estação 2 (*thin client*)

- Processador 266MHz
- 128MB RAM
- Placa de rede Realtek 8139 PXE
- USB, som, serial, paralela

# Referências

- Página LTSP
  - <http://www.ltsp.org>

**LTSP**

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**Perguntas?**

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# Apresentações

- 26/04/2008 – [SoftwareLivreVS] FLISOL 2008 – Novo Hamburgo – RS

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