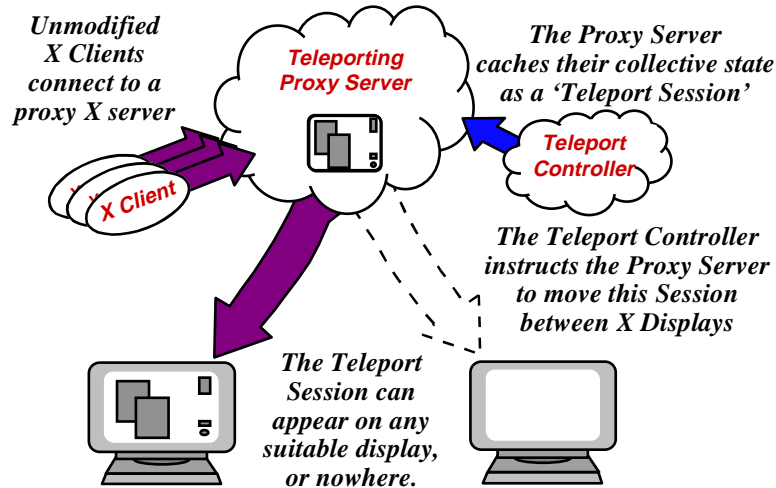


Teleporting - Globally Mobile Applications

The Follow-Me Desktop Environment

The Teleporting Proxy Server



Making Applications Mobile

A novel approach to Mobile Computing

- Application user interfaces move, not the computer
- Use the existing networked infrastructure and applications

The Teleporting Proxy Server

- A proxy server sits between X clients and any real X server
- Acts as a cache and filter of clients' state
- Routes clients' output and input between different X servers
- Reinstates client connections when the X server is changed

Using Teleporting

Control

- Control via user-id and password
- Active Badge System Integration
 - Badge acts as locator and authenticator

Authentication and access control

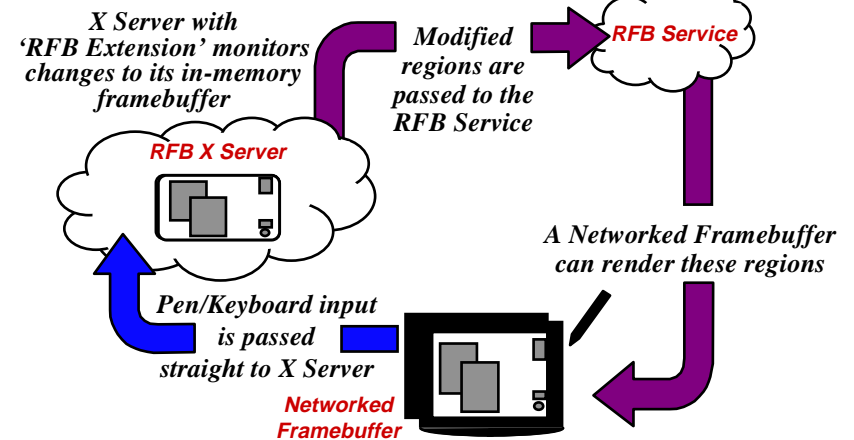
- MIT-Magic Cookie in the Local Area
- Firewalls make Wide Area Teleporting difficult

Adaptability

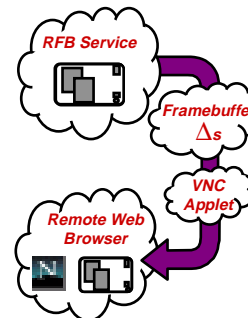
- Clients are oblivious to their changing environment
- We can experiment with Mobile Applications
 - wish-typ makes adaptable applications possible

Global Teleporting With Java™

The Remote Framebuffer (RFB)



The Virtual Network Computer: Teleporting with Java



Global Teleporting

- RFB Service linked to a Java Applet
- Applet downloaded by browser
- X Session appears within the browser
- A secure browser makes Global Teleporting possible

Browsers everywhere mean anytime, anyplace access to my environment

