



Diskless Workstation: High End Performance

Joshua Schnoll
Client Systems Group
Sun Microsystems

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The Desktop Delivery Continuum

Addressing the full continuum



All apps installed on client

Apps on client and network

All apps on network

The Desktop Delivery Continuum

Three Tier Model

Applications
Run Here



Virtualized
Display

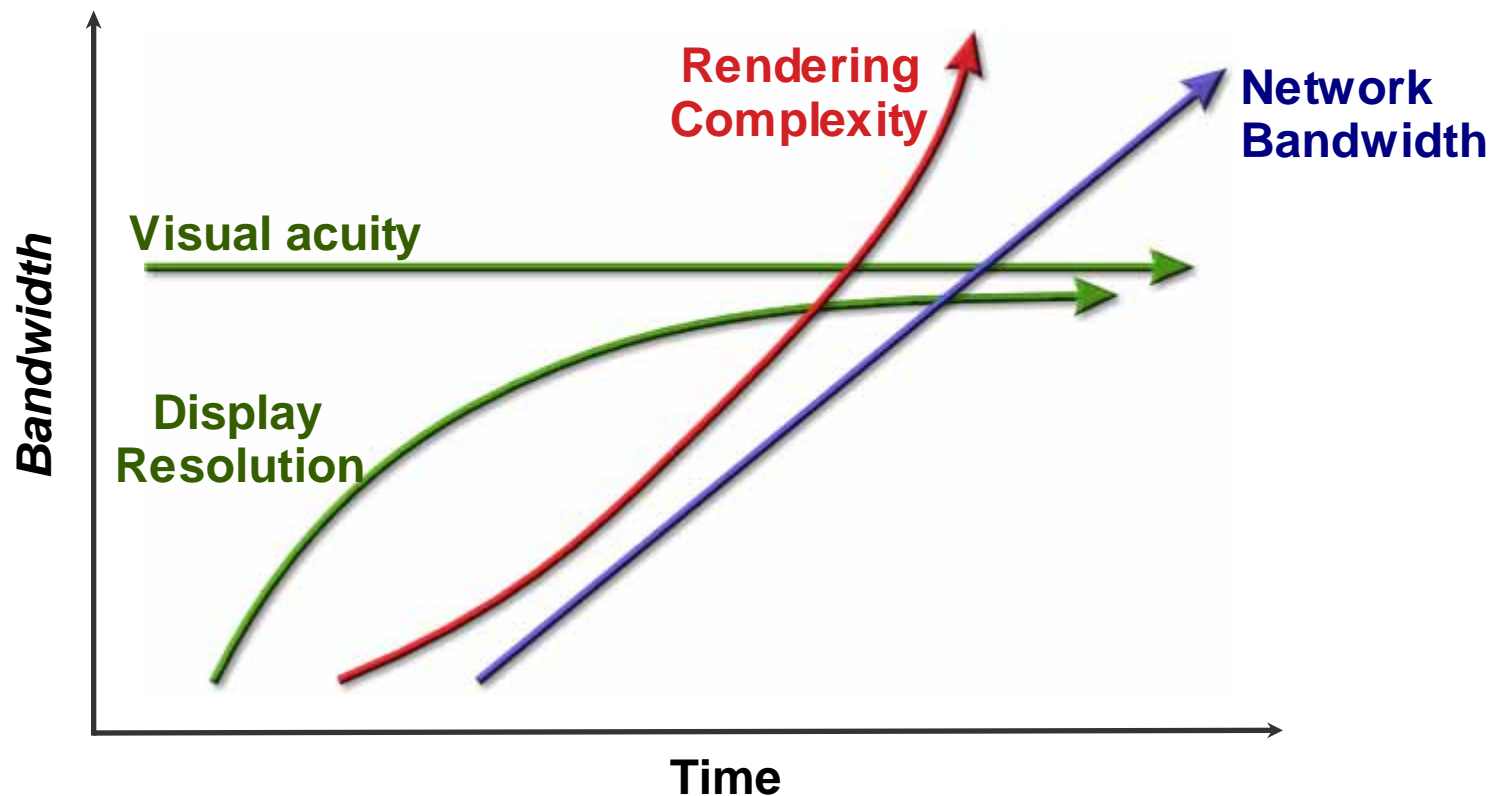


Client
Display



We're Reaching a Transition Point

Time To Start Sending Images Rather Than Data



Network bandwidth now meets visual acuity requirements, allowing visual applications and services to move into the Data Center

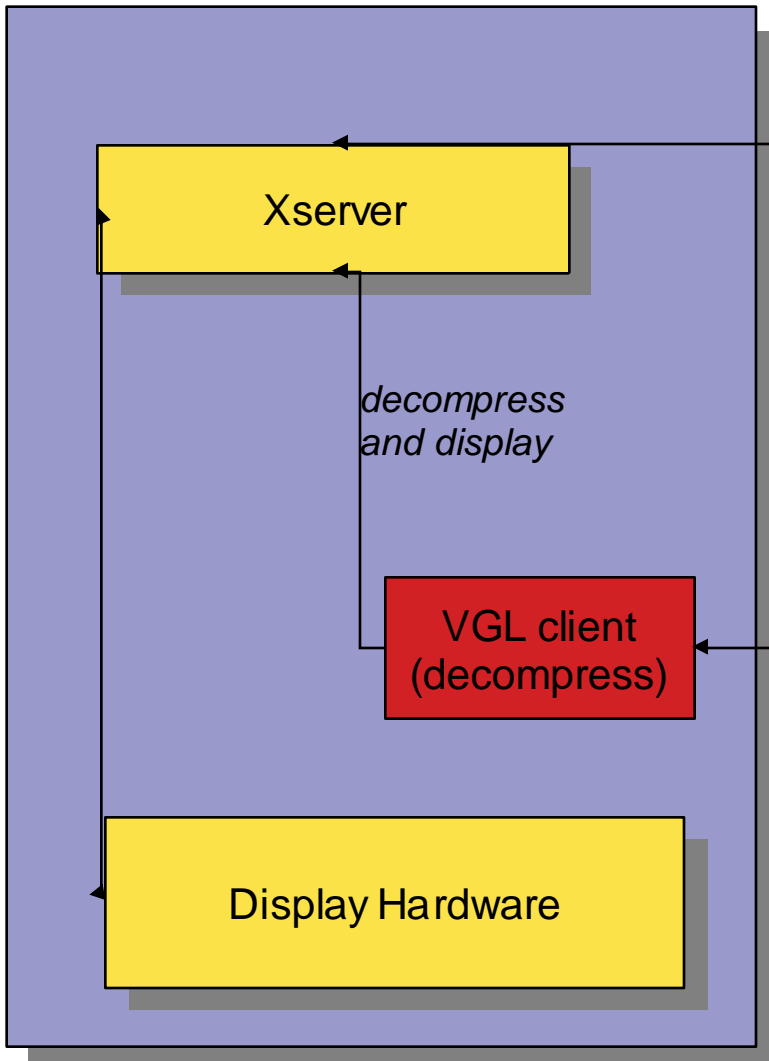
The New Visual Grid Model

Feature	Benefit
Secure	Data stays on the server. Controlled access to data, even among users
Interoperable	Client only needs enough network performance and a display. Interoperable with a variety of devices
Sharable	Average CPU, memory, and graphics needs over many users. Reduce total cost of ownership
Scalable	A single user can access lots of CPU, memory, and attached graphics. Get more resources than possible in ANY workstation
Flexible	Graphics computation and display technology are separated. Display on what you already have, Upgrade graphics separately
Load Balancing	Better utilization of compute and graphics resources. Grid software helps to find and manage resources.

3D Server Architecture (LAN version)

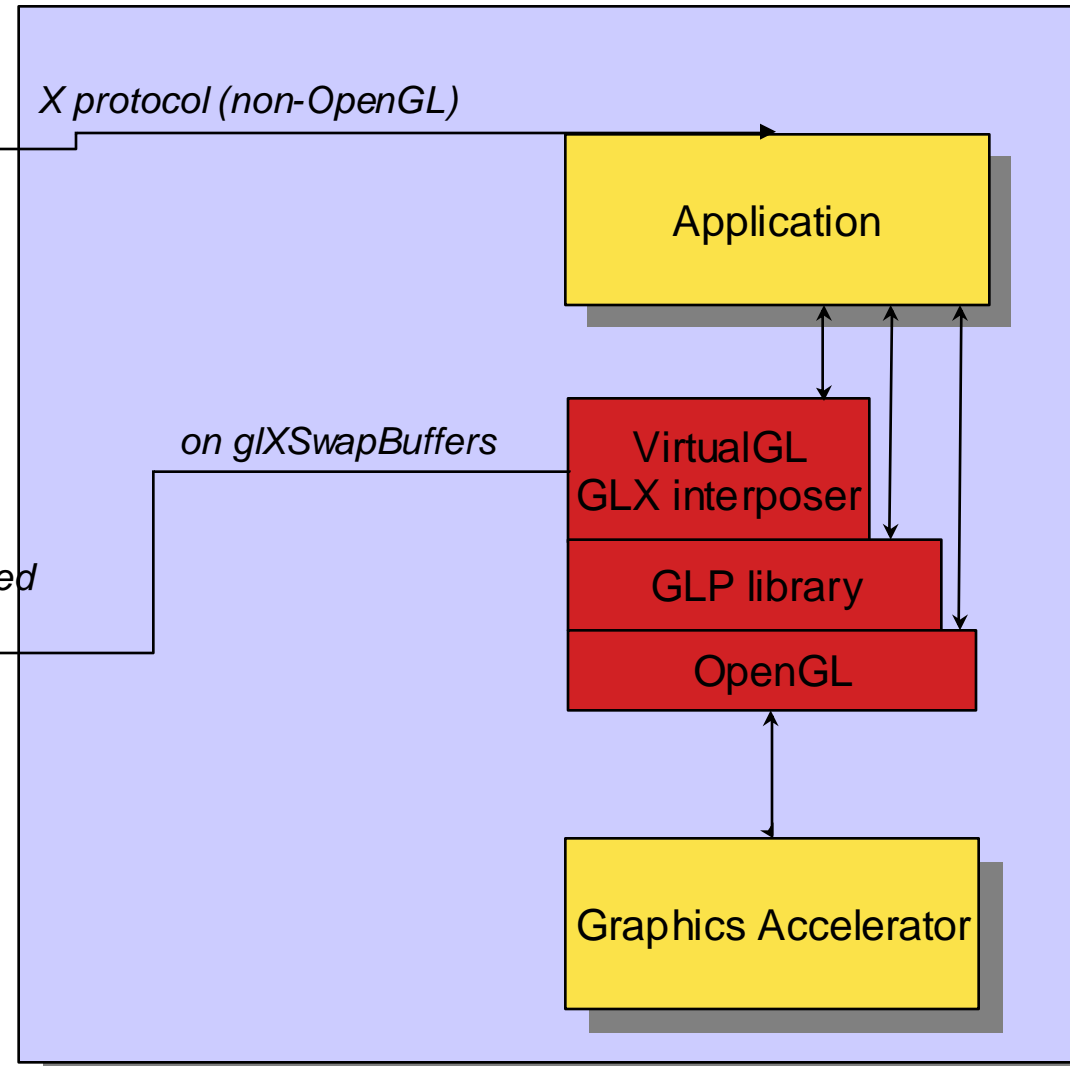
Client

Linux, Windows (with Exceed), or Solaris OS



Graphics Server

Linux or Solaris OS



X protocol (non-OpenGL)

Compressed images

on glXSwapBuffers

decompress and display

Application

Xserver

VGL client (decompress)

VirtualGL GLX interposer

GLP library

OpenGL

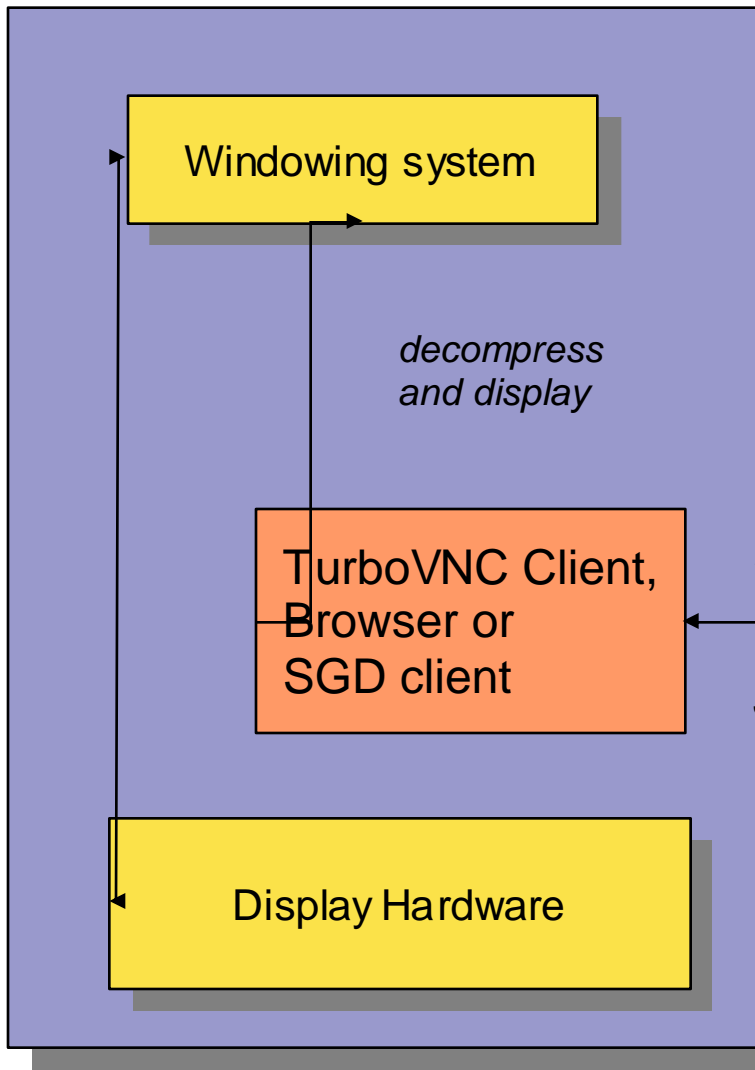
Display Hardware

Graphics Accelerator

3D Server Architecture (WAN version)

Client

Windows, Linux, or Solaris OS



Graphics Server

Linux or Solaris OS

