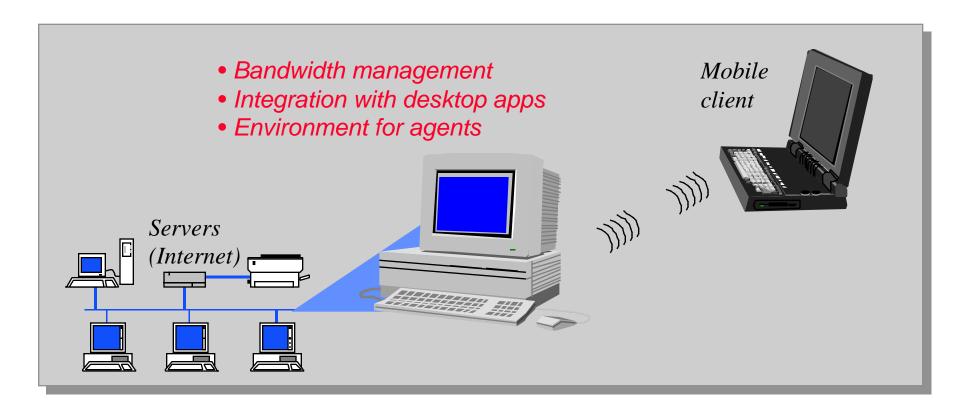
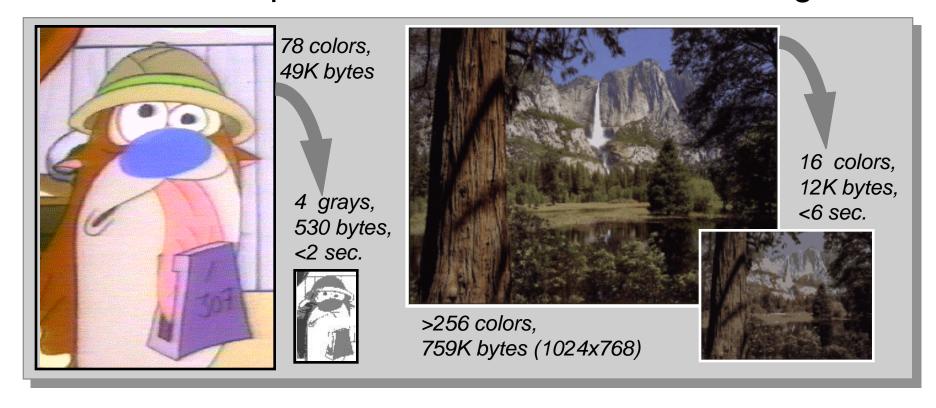
## **Proxy Architecture**

- Process running on a well-connected desktop PC
- Isolates client from effects of poor networks



## **Proxy Architecture: Image Proxy**

- *Distillation*: lossy compression that preserves semantic content
- Works in real time on desktop PC
- Client can request refinement of distilled image



## Video and PostScript®

- •Try rendering PS or watching video on PDA screen...
- Real-time MBONE Video Gateway
  - »Color reduction and halftoning
  - » H.261 or VQ output at ISDN or 28.8K (from ~3 Mbits)
- PostScript to HTML
  - » preserves significant formatting (not figures, yet)
  - » SPARC-20: ~5+2n seconds for n pages of text
  - »typically 5-7x size reduction

## Pythia, an HTTP Proxy

- Distills inlined images, user can request originals
- Filters irritating background patterns
- "Pipelined" PostScript to HTML conversion
- Per-user preference profiles
- Image distillers harvest NOW cycles

http://www.cs.berkeley.edu/~fox/pythia.html