

# Resource Containers

# Background

- .com bubble
- Web!
- Dynamic web content

# Goal

- How to do accurate resource accounting

~~Identical P-C~~  
~~(a, out? x=1 y=2)~~

# The evolution of web server systems

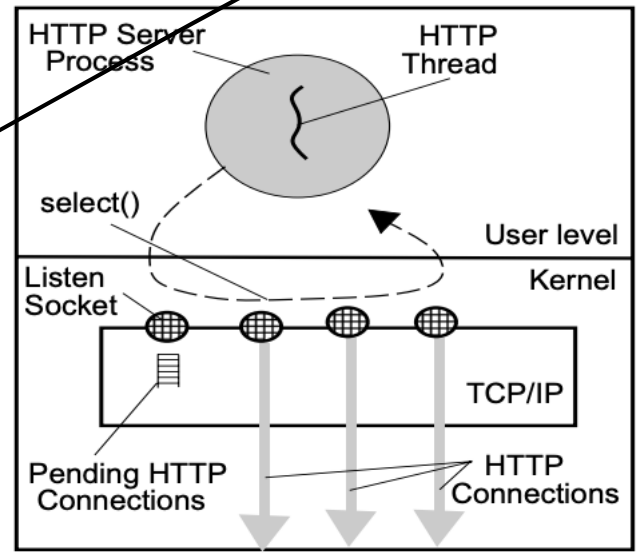
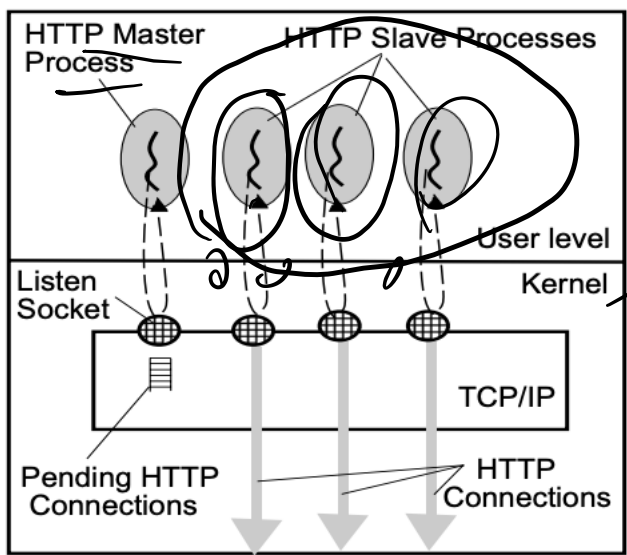


Fig. 2: A single-process event-driven server.

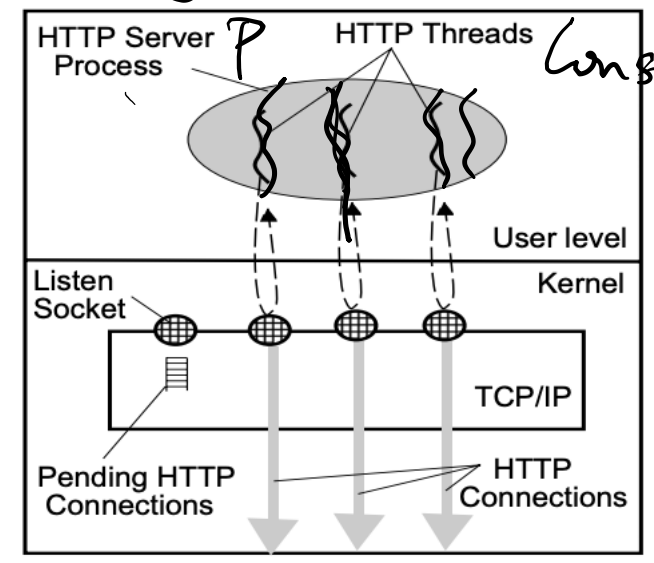
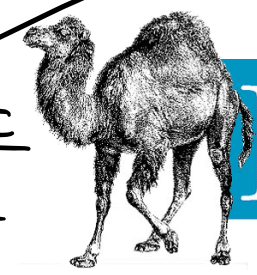


Fig.3: A single-process multi-threaded server.

*while*  
*accept*  
*fork*  
*relax*  
*encode*

*ci*  
*file*  
*send*

~~end~~  
~~dec~~



Perl



# What should be the accounting unit?

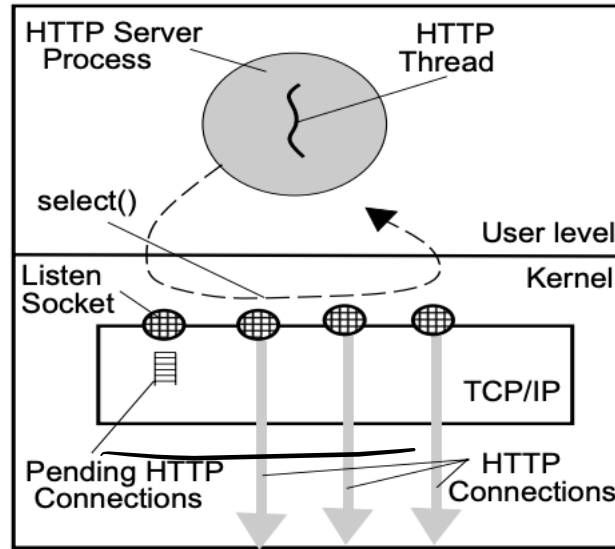
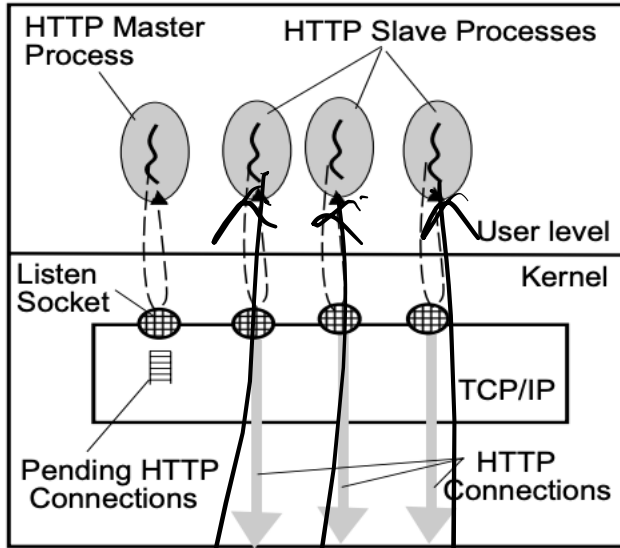


Fig. 2: A single-process event-driven server.

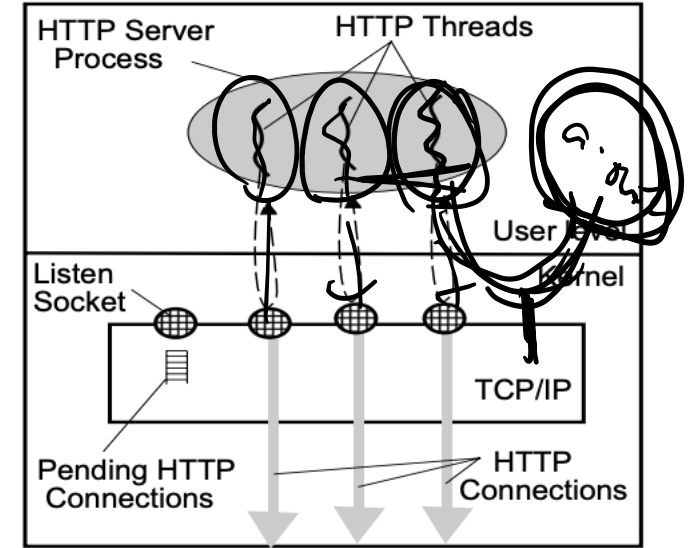
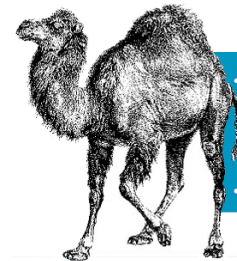
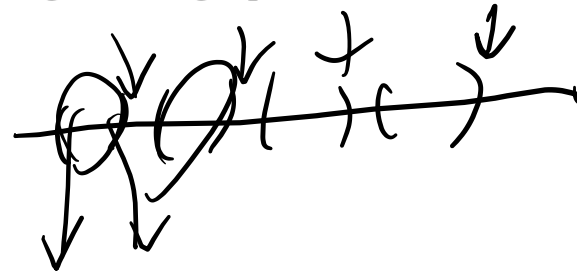


Fig. 3: A single-process multi-threaded server.



Perl

