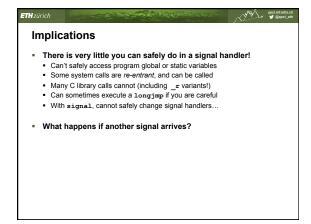


Unix signal handlers Signal handler can be called at any time! Executes on the current user stack If process is in kernel, may need to retry current system call Can also be set to run on a different (alternate) stack User process is in undefined state when signal delivered

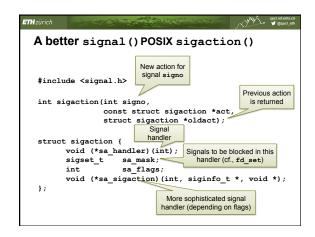


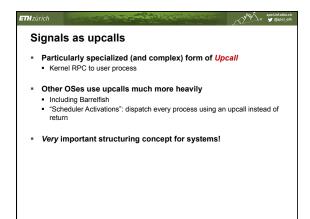
Multiple signals

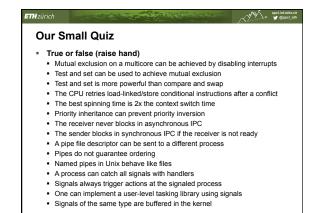
If multiple signals of the same type are to be delivered, Unix will discard all but one.

If signals of different types are to be delivered, Unix will deliver them in any order.

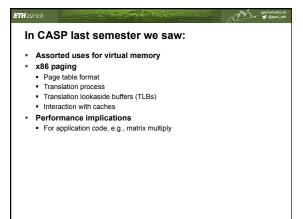
Serious concurrency problem:
How to make sense of this?

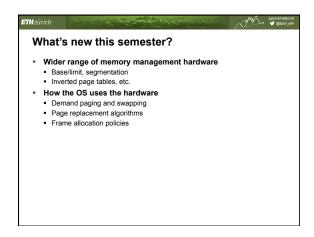


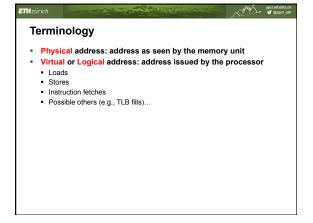


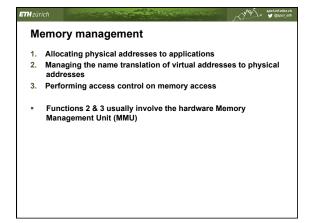


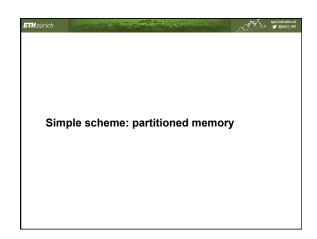


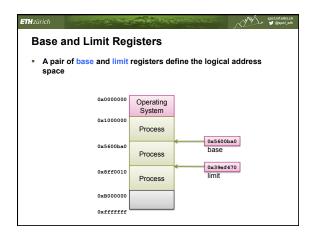


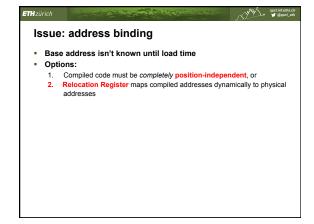


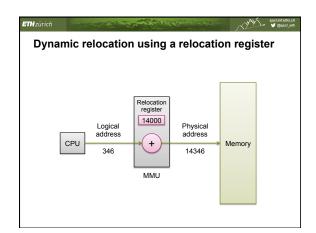


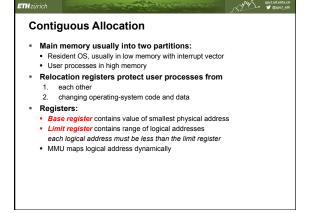


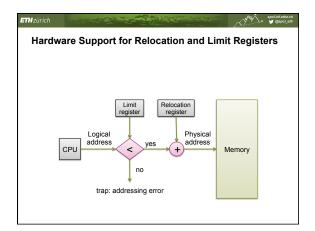


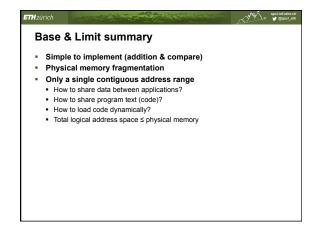


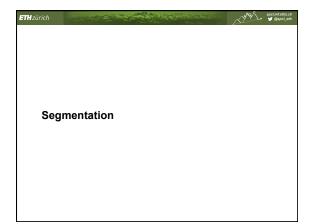


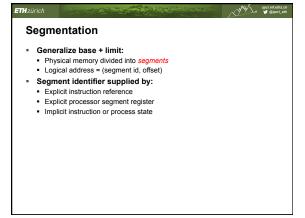


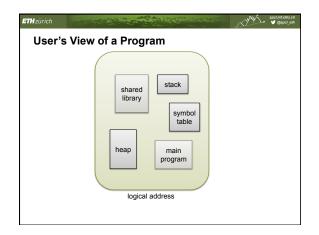


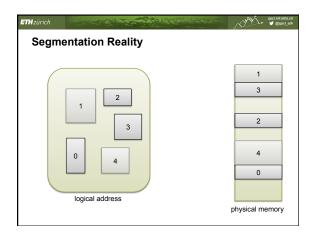


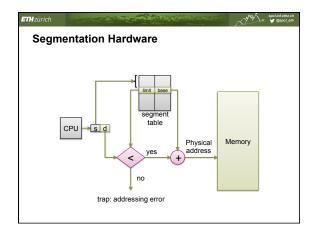


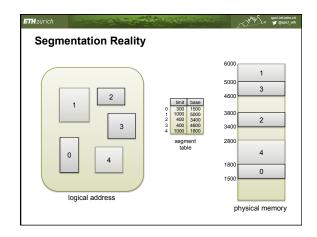


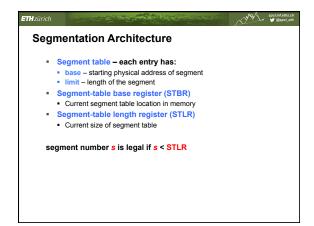












Segmentation Summary

Fast context switch
Simply reload STBR/STLR
Fast translation
I loads, 2 compares
Segment table can be cached
Segments can easily be shared
Segments can appear in multiple segment tables
Physical layout must still be contiguous
(External) fragmentation still a problem

