CS 503 Lab 0

Getting to know XINU

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What is XINU ?

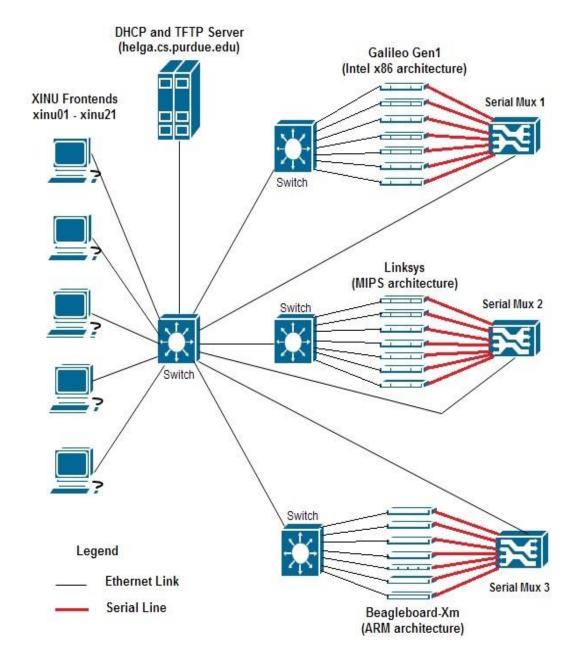
- Small and elegant operating system
- Supports:
 - Dynamic process creation
 - Dynamic memory allocation
 - Network communication
 - Remote and local file system support
- Ported on many architectures and platforms
 - Intel x86 Intel Galileo Gen 1 development board
 - ARM Beagleboard-Xm, Beaglebone Black, Raspberry Pi
 - MIPS Linksys routers

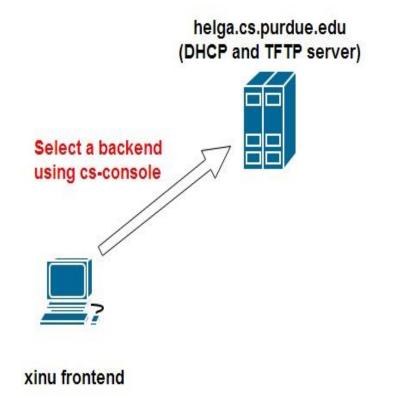
Why XINU ?

- Easy to understand (simple + very well written)
- Helps strengthen fundamental concepts of OS
 - Process synchronization
 - Inter-process communication
 - Device-independent I/O system calls
 - Device drivers and interrupt handling
 - ...Learn all of the above and much more not just in theory, but by experimenting with it yourself!
- Also, is a cute recursive acronym Xinu Is Not Unix
 :)

How do I use XINU ?

XINU Lab topology





From xinu frontend:

xinu backend

\$ cs-console xinu101

