

eCOS - Gforth

# Development

- Host system – Fedora 13 with x86\_64 arch
- Target Utility – Redboot that has Gforth as a command
- Virtualization – KVM, i386
- Booting – GRUB
- eCOS Configuration – Adding Gforth

# The Problems

- eCOS configuration currently does not support an x86\_64 host
- Redboot does not boot consistently with KVM
- The aim is to boot from a USB Flash drive, but eCos does not support host USB, only slave USB
- Forth screens can not be read in from USB Flash drive

# The Solutions

- Getting Redboot to boot with KVM just needs work
- There are people attempting to integrate host USB to eCOS

# eCOS Capabilities

- Dynamic libraries
- USB slave
- Virtual development on PC for applications
- Porting to target processor involves drivers only

# The Excuse

Stoking Coal in Silicon Valley