



Tux-on-a-Box

Straight through a web browser!

PRESENTED BY:

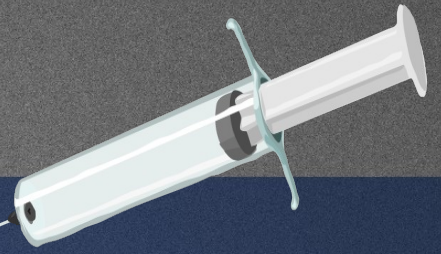
Suchakra

The New Guy

Today's Menu

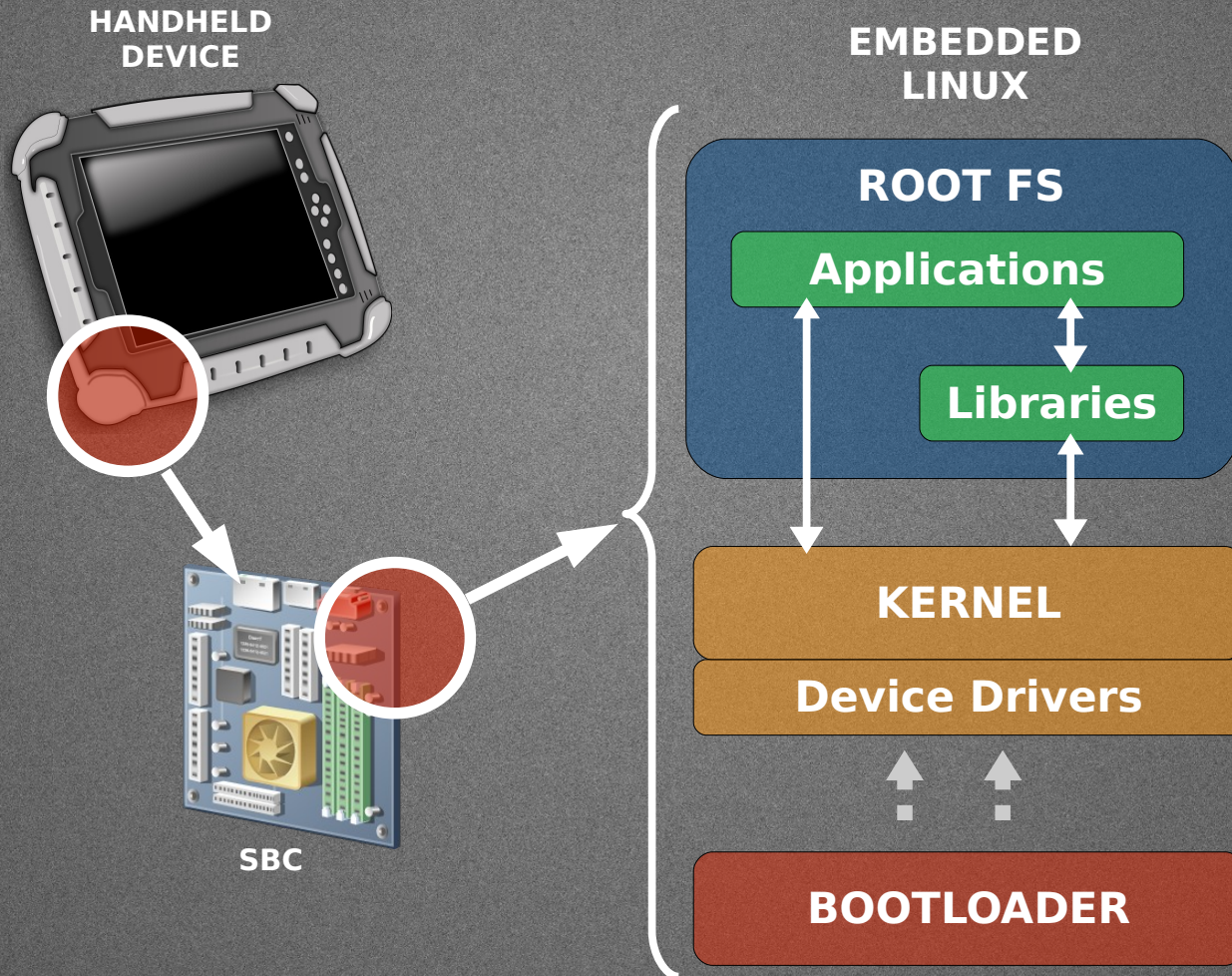
- An Embedded Linux shot!
- Collaborative and OTG development
- Shell through a browser - Ajaxterm
- How the hell did they do it?
- A board for the masses
- An idea applied for education
- Questions/Suggestions



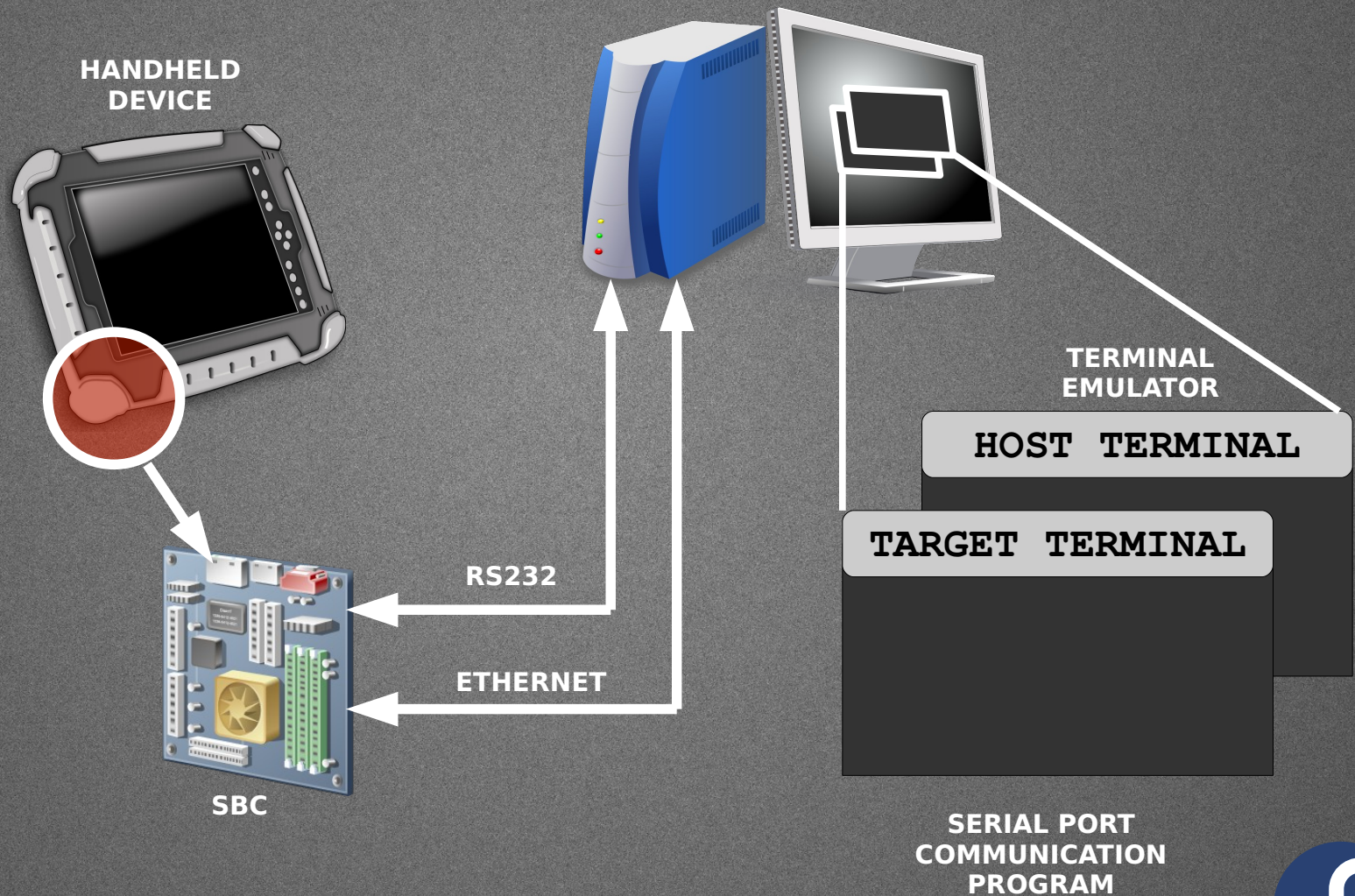


Embedded Linux Shot

Anatomy



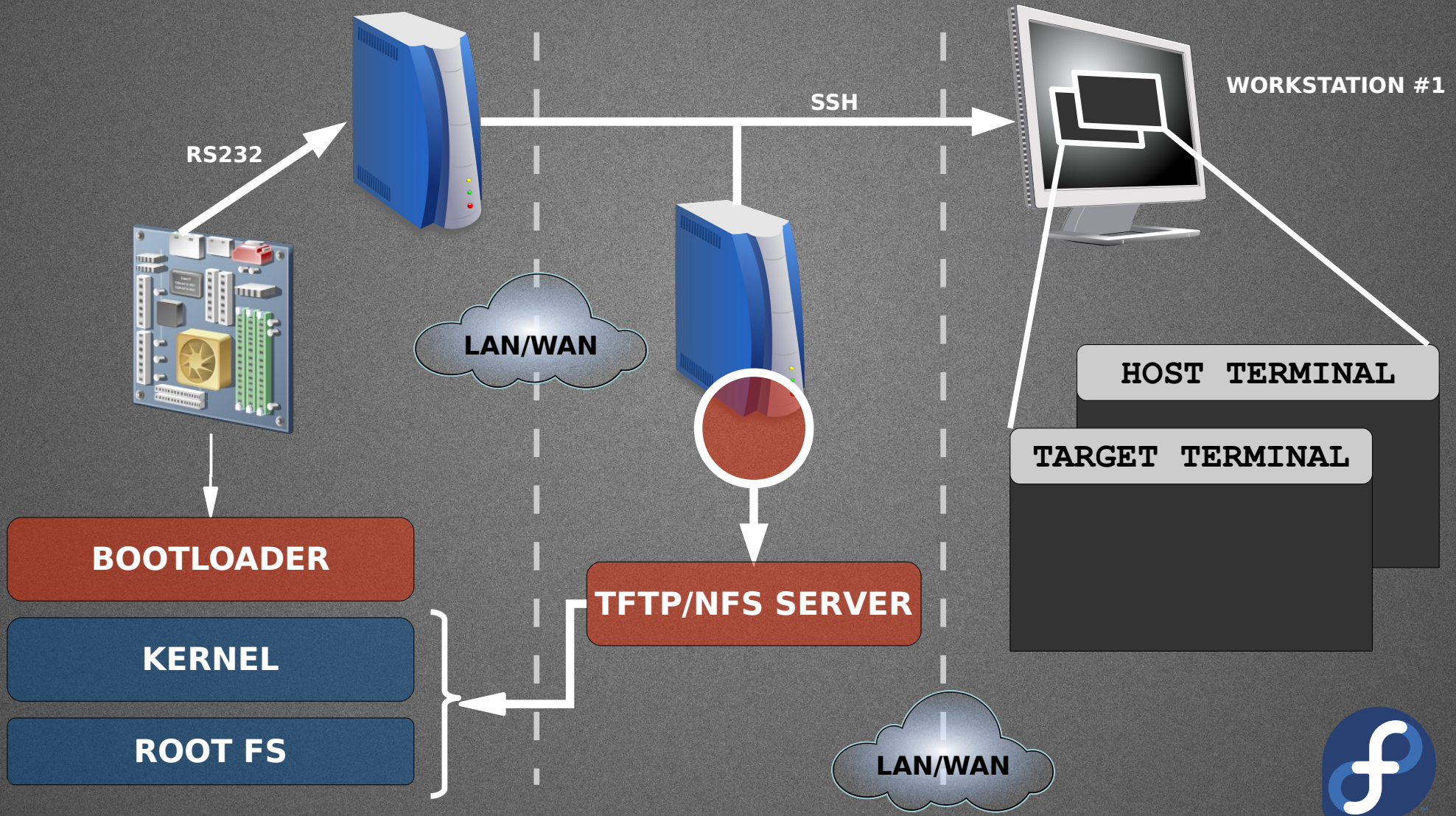
Development Setup



A stylized graphic on the left side of the slide depicts a hand holding a globe. The hand is rendered in a light gray color, with the fingers curled around a blue globe. The background of the slide is a dark blue gradient, and the text is in a clean, white, sans-serif font.

Collaboration & Development OTG

Collaboration



I'm "On The Go"

- Carry hardware and related accessories. Duh!
- Make sure the stuff remains unhurt
- Set-up a development environment or have a VM ready
- Use technique we discussed a while ago
- I just wish it was as easy as checking my mail :)





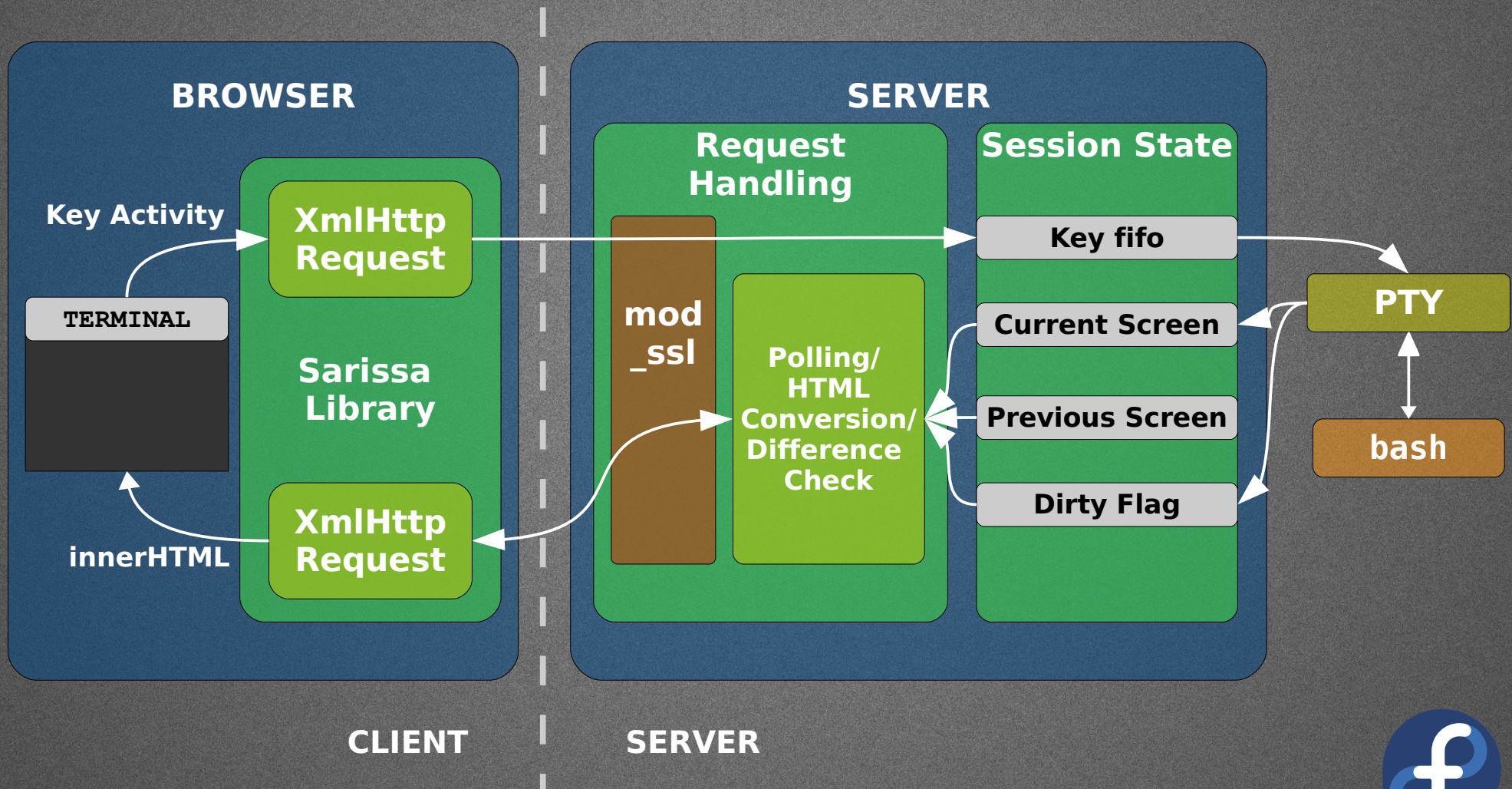
Shell Through a Browser

What's that?

- Possible but not so popular
- Mainly used for local admin tasks
- Solutions available :
 - PHPTerm
 - Anyterm
 - Ajaxterm
 - Shell In A Box
- Ajaxterm is quite easy to setup.



Dissecting Ajaxterm



Board for the Masses

- Connect board to host through RS232
- Setup apache/httpd/boa on host
- Setup Ajaxterm on host
 - If outside local network, more config needed
- Setup serial communication tool
 - `minicom/picocom`
- Get on the client and fire-up the shell in a browser.



An Idea for Education

- Virtual Labs Project (MHRD)
- Experiment to be performed remotely on the board
- Its required that :
 - Just a web browser to be the maximum requirement on client
 - To be compatible with non UNIX based OS also :(
- Web infrastructure for project : Open Source!





Questions/Suggestions?

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