The hacker way

Jim Zemlin, The Linux Foundation March 2012



Erlang and Linux have similar backgrounds



Early adoption driven by smart design decisions

Freely accessible code

Permissive licenses

Inexpensive hardware

Architecture neutral design

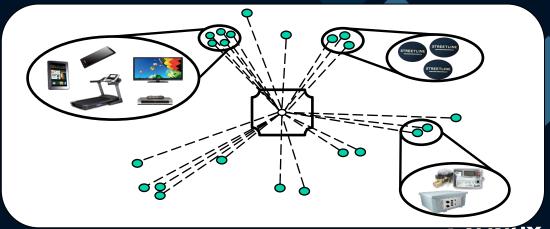
Hackable



Erlang and Linux are ideal for embedded applications

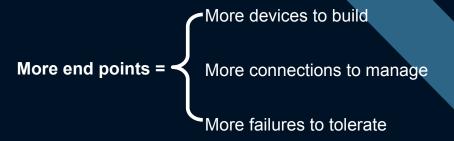


We're making a lot more connections in daily life, most are transparent and intermittent



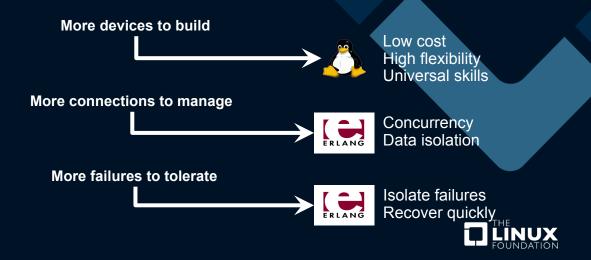


Embedded growth brings new challenges...





... Challenges easily addressed by Erlang and Linux



We are Proving the Hacker Way Works

Erlang
& Are growing – quickly

Are solving problems in the highest-growth markets

Provide essential infrastructure at very low cost



Who said this?



"Code wins arguments."



"The best idea and implementation should always win."











Why is the world turning to Linux and Open Source?



Reason One: The Internet is Changing

The Internet of People is 1 Billion...



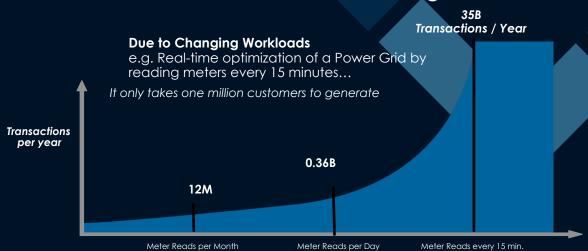
...headed toward 2 billion

The Internet of connected devices...

Cars Appliances Roadways Pipelines Livestock

...is headed to 1 trillion.

Requirements are changing for a more instrumented, interconnected, intelligent world



What do you need to deal with this future?

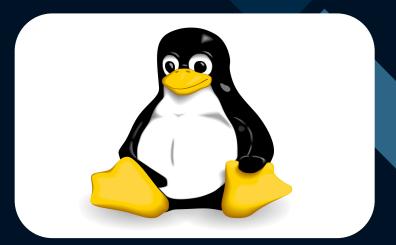
Instrumentation: in embedded systems to collect data

Network Servers: to gather and store data

Super computers: to analyze this data explosion

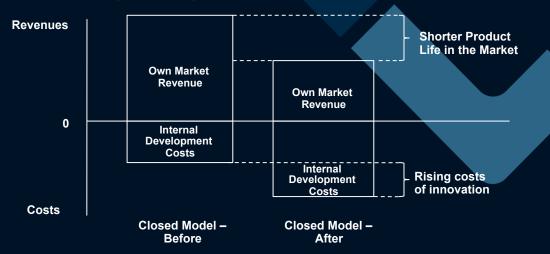
Devices: to display, communicate and interact with data

Sound familiar?

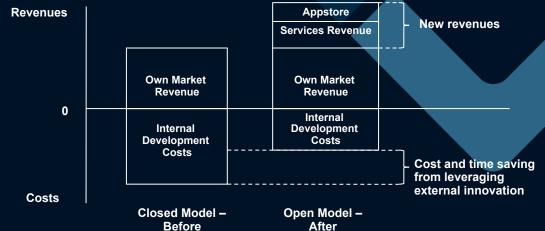


Reason Two: It's saves money

The price pressure of innovation



Open innovation enables new revenue streams, faster time to market, and lower costs



Reason three: the move to services

FREE

"We don't think of the Kindle Fire as a tablet. We think of it as a service.

Jeff Bezos, September 2011

The move towards a services economy for consumers















The move towards a services economy for enterprise

appzero







Zenōss'



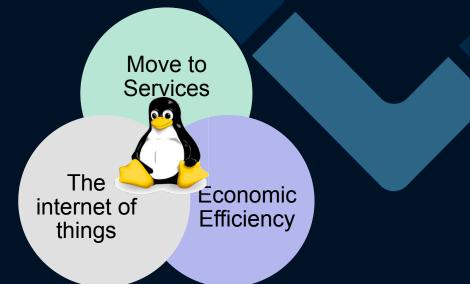
Linux is de facto winner as a services platform



facebook.

Could Google, Amazon or Facebook be the companies they are today if they were written on Microsoft .NET?

Linux is the center of all major computing trends



The Importance of Being on the Right Side of History

In 20 years we have seen it all. Predictions of Linux demise for technical reasons, for usability reasons, for profitability reasons, and for legal reasons.

5,547 10,923 \$10,800,000,000 2,700,000



