

The Earth is not flat, and other heresies

Allison Randal

physics

admire

admit mistakes

learn

flat earth

geocentric

quantum

software

static

64K

single thread

single process

single machine

cloud

graybeard

myths

network

SAGE

(1950s)

ARPANET

(1960s)

virtualization

(1960s)

TCP/IP
(1970s)

Internet
(1980s)

Web
(1990s)

Web 2.0

(2000s)

Cloud
(2010s)

?

(2020s)

Ubique
(2020s)

you-**beek**

(like “unique”)

everywhere

ubiquitous
computing

internet
of things

smartphone

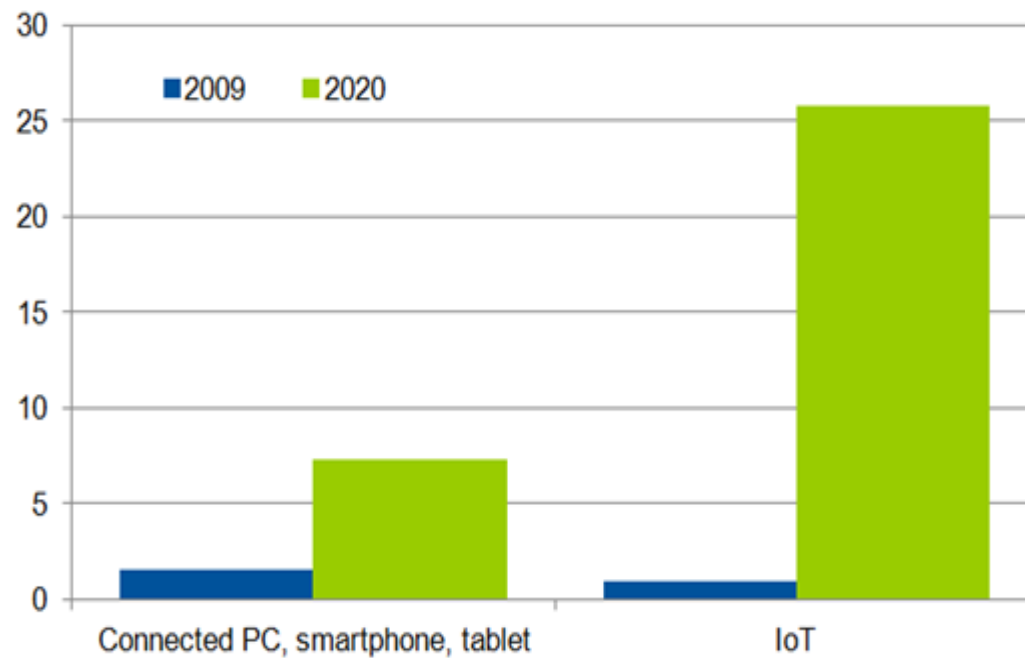
data SIM

Google Glass

Fitbit

cloud as
fabric

Figure1. Total of Connected Devices, Billions of Units (Installed Base)



Source: Gartner (Barcelona, November 2013)

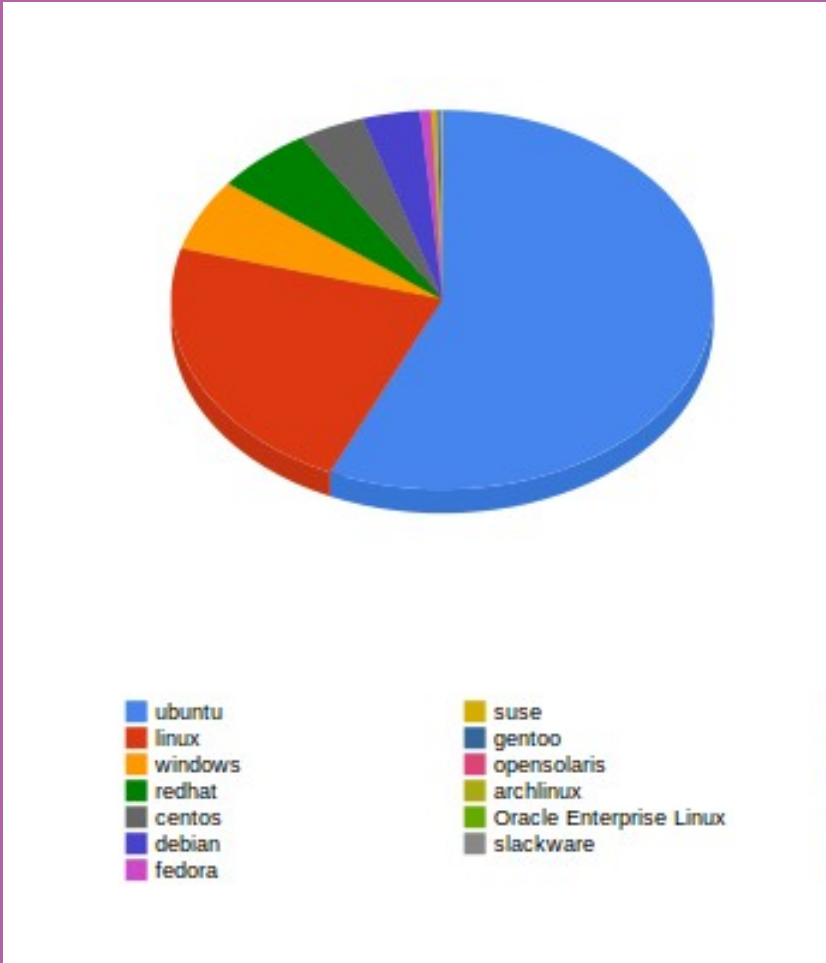
30 billion

do I care?

Debian

is

cloud



Source: Cloud Market EC2 statistics (1 yr, 2013-2014)

60-75%

score!

client

why?

free software

debianesque

development

access

licensing

collaboration

many eyes

many hands

integration

innovation

foundation

adaptation

zero-sum

create

future

smaller

lighter

faster

free software

\$0 software

\$1.99 software

market pressure

\$29.99 OS

\$19.99 OS

\$14.99 OS

\$0 OS

support

services

content

how to help?

carry on

packages

zigo

maintenance

apprentice

learn

community

20+ years

sustainable