

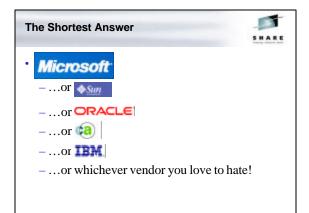


The Short Answer



• Analgesia:

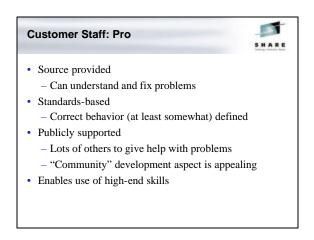
- Management looking for ways to cut TCO
- Staff tired of waiting on hold for support
- Vendors cannot afford to build new applications from the ground up
- Developers hate reinventing the wheel



The Longer Answer



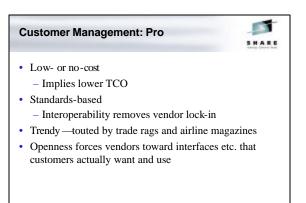
- Multiple, often wildly divergent perspectives:
 - 1) Customer staff
 - 2) Customer management
 - 3) Vendor staff
 - 4) Vendor management
- These are *not* the same constituencies!
 - Understanding this is essential to understanding (and countering) arguments



Customer Staff: Con

· Source provided

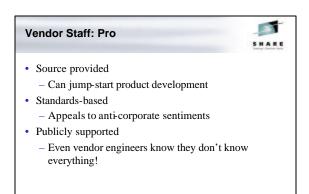
- "I don't want to fix someone else's problems!"
- Standards-based
 - RFCs can be hard to understand
- Publicly supported
 - Documentation often poor or nonexistent
- May not *have* high end skills to exploit
 - "I like my Microsoft GUI tools"

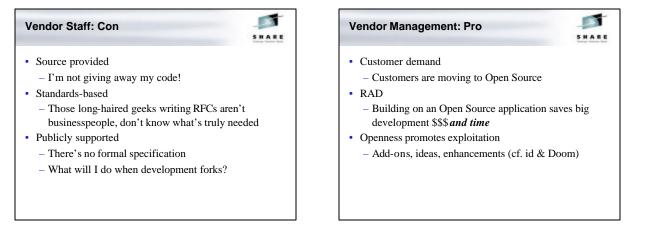


Customer Management: Con



- · Source provided
 - Hackers can read the code, find vulnerabilities
 - "I don't pay people to fix others' problems"
- Not formally supported
 - "I can't bet my job on some kid in Finland"
- Trendy
 - "Management by magazine" isn't management
- Open protocols aren't necessarily better





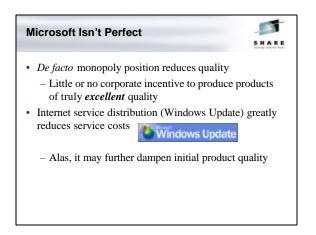
Vendor Management: Con We're a business "How can we charge thousands of dollars for something that we give away?" Intellectual property protection "GPL means we have to give our stuff away" "Proven" failure of model VA Linux, Netscape, et al. – "They're all dead"

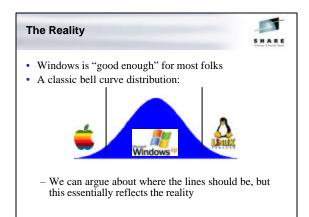


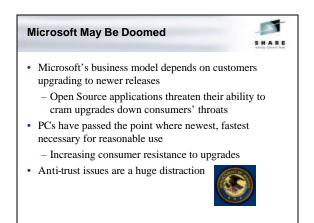
Microsoft Is Not Evil



- Redmond is a business
 - Has provided excellent return to stockholders
- Products are carefully designed and developed - Tens of millions of users love them!
- Consumers' willingness to put up with BSODs, etc. are our fault, *not* Bill's
- Apparently the value of Windows is greater (for most) than the pain

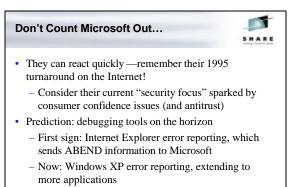


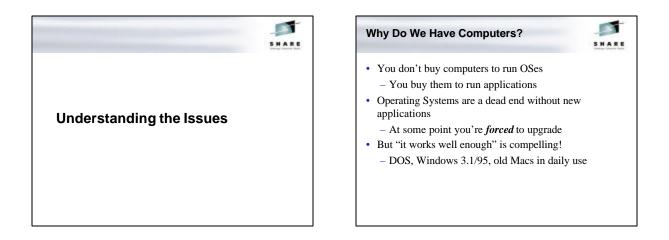




Microsoft Is Not Stupid

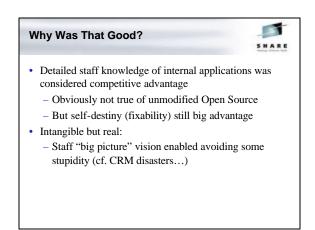
- "Embrace and conquer" works
 Just ask A. Hun, G. Khan, A. Hitler...
- · Integration is the key
 - Love 'em or hate 'em, Microsoft applications work together better than a mishmash
 - MMC "Snap-ins", (moderately) consistent interfaces beat out command lines with most folks
- They are *not* ignoring Linux, Open Source!
 - See www.opensource.org/halloween/





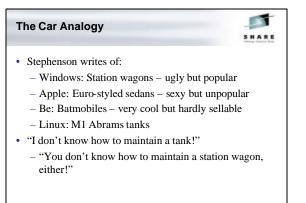
Return With Us Now... ...to those thrilling days of yesteryear:

- Most applications written in -house
- Staff retention recognized as important to preserve "institutional knowledge"
- Staff ability to react to problems critical to survival!



How Is Open Source Different?

- Brooks' Law seems not to apply:
 - Complexity and bugs do *not* rise with the square of the number of programmers involved!
- "Hacker culture" fundamentally different from traditional development culture
 - "Gift culture" makes knowledge-sharing valuable
 - Contrast with "proprietary advantage" theology

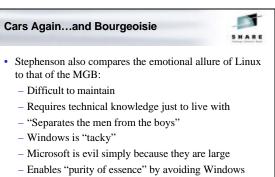


The Emotional Appeal

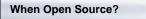


- Emotional arguments of "I hate Microsoft" (or Oracle, or...) are *not* business cases!
 - Many fail to recognize emotional involvement
- Consider the outrage over Microsoft "stealing" the GUI from Apple
 - Few are outraged that KDE and Gnome "stole" the GUI from Windows (or even Apple)



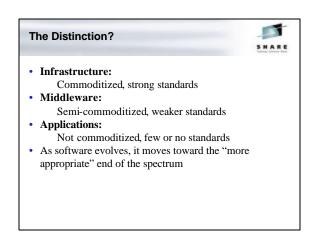


• This is a fundamentally elitist attitude! (But is that bad?)





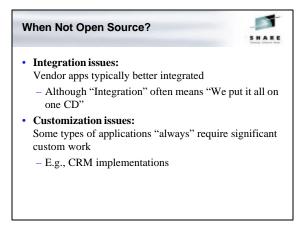
- Raymond suggests that appropriateness depends on program use:
 - Most appropriate: Infrastructure (e.g., Samba, DNS)
 - Less appropriate: Middleware (e.g., databases)
 - Least appropriate: Applications (e.g., word processors)



Something "Wants" to be Free?

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- Stephenson further suggests that Operating Systems are "destined to be free"
- Remember why we have computers: applications!
- If sufficiently decent applications are available for free OSes, they will dominate
 - Microsoft will be forced to acknowledge this eventually
 - Netscape talked about commoditizing the OS, which is what caused Microsoft to take aim at them



When Not Open Source?



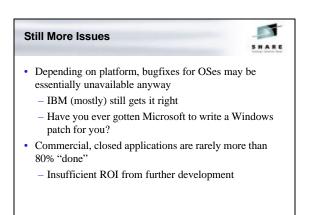
- Standing investment: Existing, paid for product licenses
 - Consider switching at next upgrade cycle
- Training and conversion: Costs can be surprisingly high
 - Business units may rely on product features unknown to IT staff/upper management

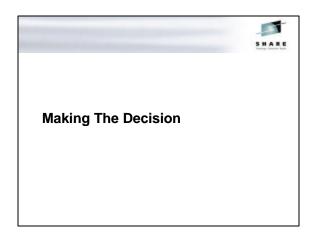
Choosing Open Source

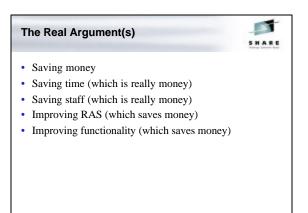
- Is the Open Source app good enough? (Is it even close?)
 - Can you wait for it to get there?
 - Is vendor application good enough?
- Is Open Source direction rational?
 Not just a reaction to dislike of a vendor
- Is self-destiny benefit/avoidance of risk worth potential internal support cost?
 - "Closed-source when Open Source choices exist will be...grounds for shareholder lawsuit"

Some More Issues

- · Open Source typically more secure
 - Reading source exposes weaknesses
 - Availability of fixes often measured in minutes
- Vendors can provide support "guarantees"
 - Can they live up to them?
 - If they don't, what remedies do you have?
- Mission-critical applications require serious support no question







So How Do You Choose?



- Where are your *real* costs?
- Cost breakdown, biggest to smallest:
 - Labor: sysprogs, operators, et al.
 - Facilities
 - Hardware
 - Software (increasing mostly due to ISVs)
- How do you control TCO?

Controlling TCO Obvious answer: control spending on labor, facilities, hardware, software Open Source can (sometimes) help with all of these Labor: many Open Source apps very mature Facilities: server consolidation can save big Hardware: server consolidation again Software: the most obvious opportunity

