

Open source health innovation for patients and populations

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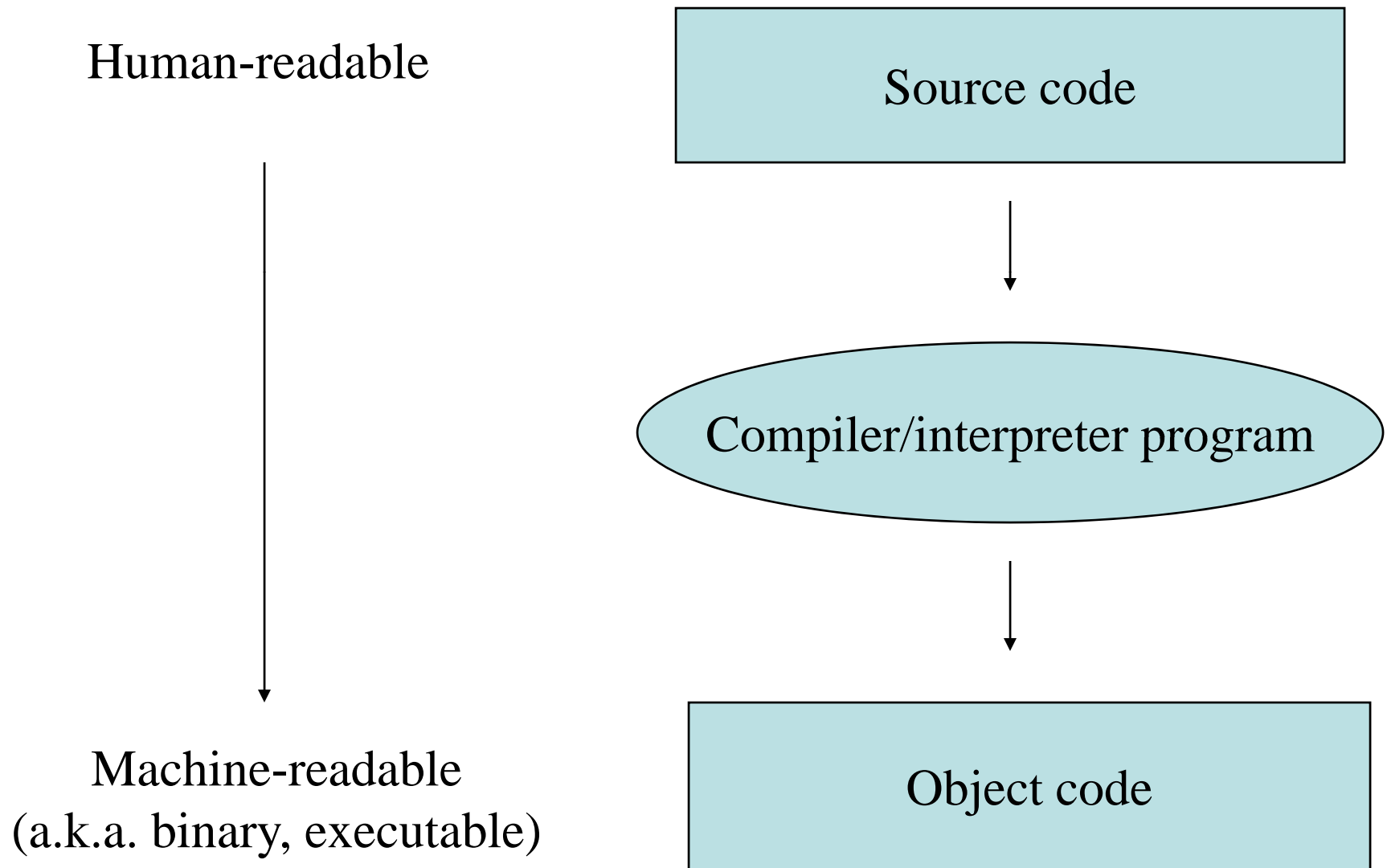
Overview

- What is open source?
- Why open source biotech?

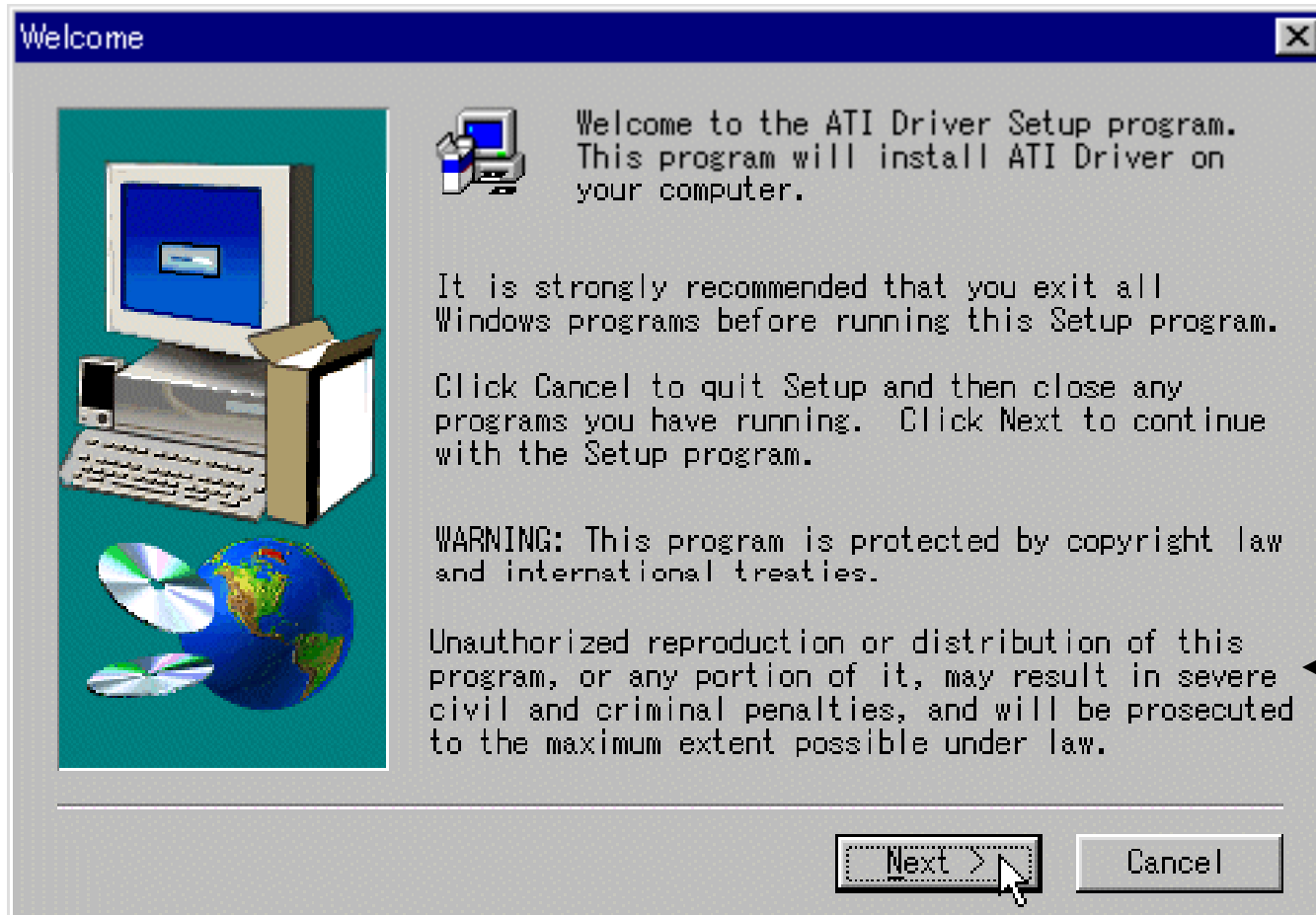
Overview

- What is open source?
- Why open source biotech?

What is open source? – source code



What is open source? – closed source



What is open source? – closed source

Microsoft



Borland[®]

Word Perfect Corporation



Peter Norton Computing, Inc.

ORACLE[®]

VisiCorp

What is open source? – free software



What is open source? – free software

What is “free” software?

Users are free to:

- Run the program for any purpose
- Study how it works and adapt to specific needs
- Redistribute copies
- Improve the program and release improvements

= Access + legal freedoms

What is open source? – copyleft licensing



Copyleft: “all rights reversed”.

What is open source? – the GPL



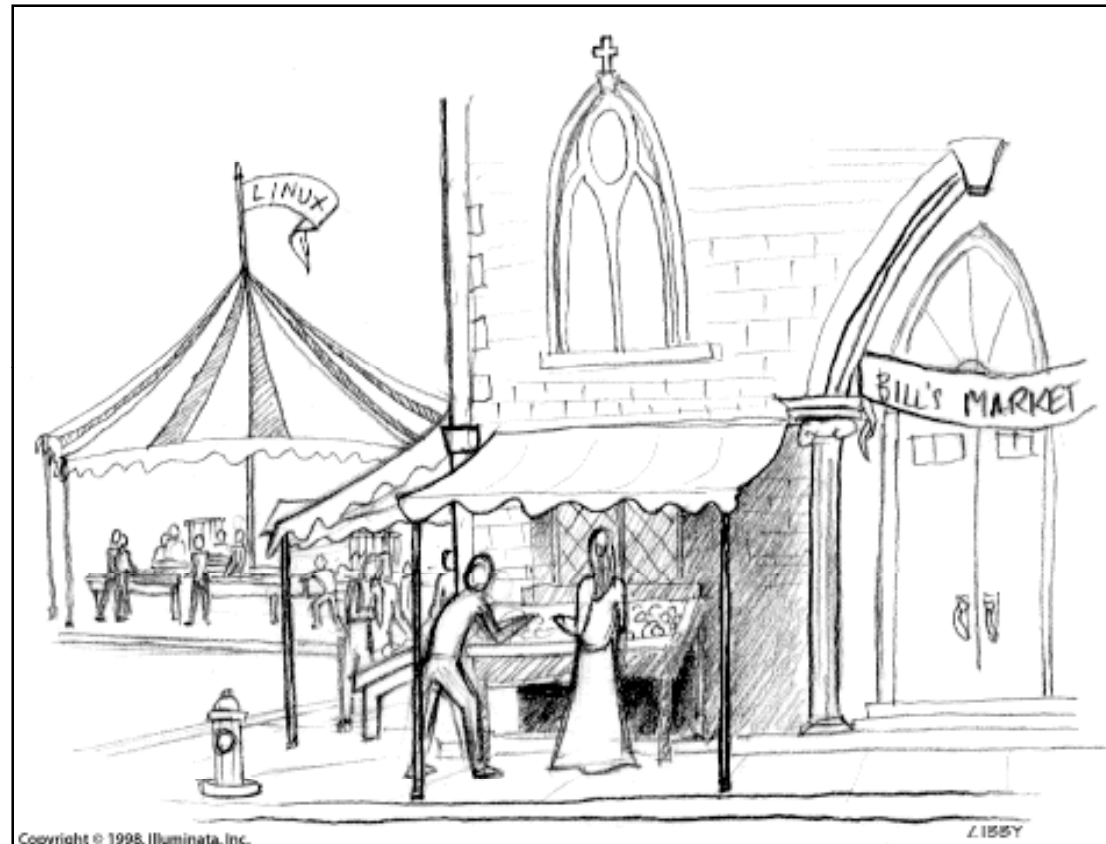
“GNU’s Not UNIX”

What is open source? – Linux



Linus Torvalds

What is open source? –the “bazaar”



The cathedral and the bazaar

What is open source? – the “bazaar”



Science as a jigsaw puzzle

What is open source? – business strategies

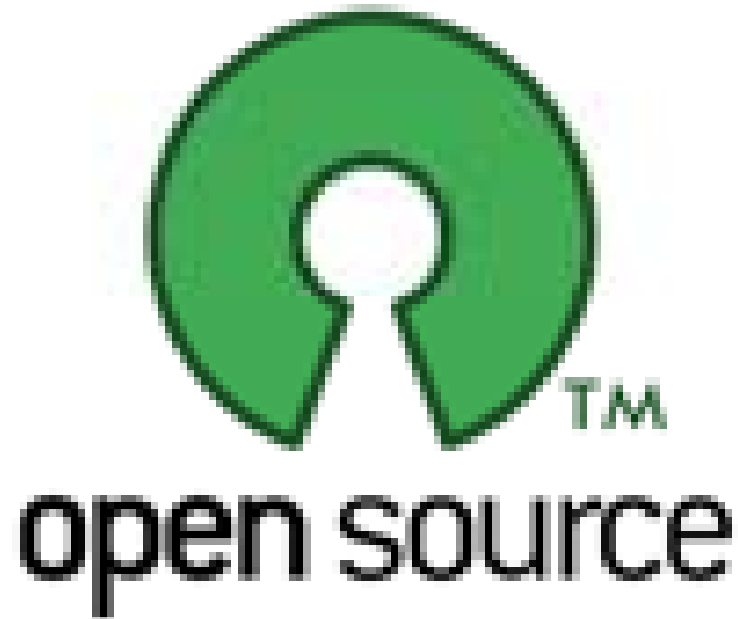
Commercial applications

- Cost sharing: access to improvements made at others' expense
- Larger market for complementary goods or services
- Enhanced reputation and learning capacity
- Competitive effects

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What is open source? – “free” versus “open source”



Open Source Initiative registered mark

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Why open source biotech? – information flow



Why open source biotech? – information flow

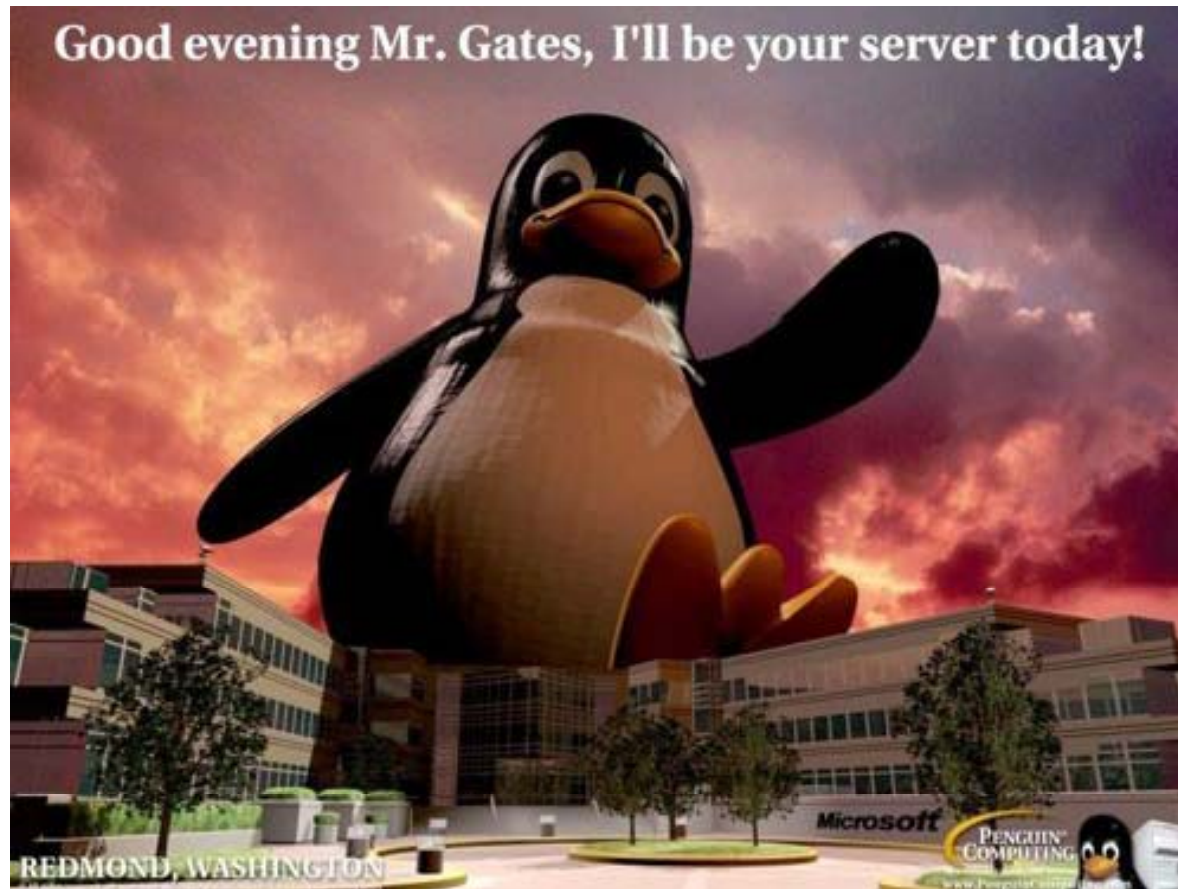


Why open source biotech? – industry structure and competition



A child with malaria. Malaria kills an African child every 30 seconds.

Why open source biotech? – industry structure and competition



Linux versus Microsoft...

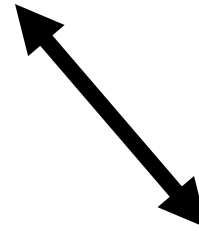
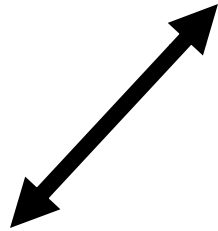
Why open source biotech? – industry structure and competition



PURCHASERS



PROJECT LEADERS



VOLUNTEERS

SERVICE PROVIDERS

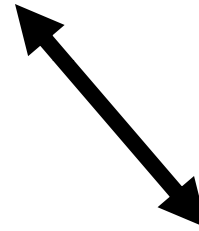
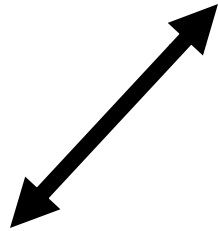
BASIC RESEARCH
TARGET VALIDATION
PRECLINICAL

CLINICAL I-III
MANUFACTURING
DISTRIBUTION

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