

Open Source: IP in the Internet Era

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What open source is **not**:

- It is **not** a development methodology.
 - ◆ Cathedral vs. Bazaar
- It is **not** a security model.
 - ◆ “Many eyeballs” vs. formal design & review
 - ◆ BugTraq
- It is **not** a software maintenance methodology.
- Open source ¹ open standards.
- Free software ¹ low cost of ownership.
- *It is not the only type of source code license*
 - ◆ *Not having open source is not the same as not having source*

Open Source **is** a licensing model

- Copyleft licenses mean forfeiting intellectual property rights.
- All open source licenses are not created equal.
 - ◆ Apache, GNU, FreeBSD-style, Open Group
 - ◆ Mutually exclusive

Can 'open intellectual property' be a component of a profitable business plan?

- Services model
- Turnkey system development
- Work for hire

“What software needs to be open source to serve the needs of the high-end/scientific computing user community?”

- HPC-specific codes - codes developed, used and supported by the HPC-community
- Remember: open source does not solve the problem of lack of sufficient HPC-technically competent development resources.
- Open Source ¹ Pixie dust

Alternatives

- “The simplest way to make a program free is to put it in the public domain, uncopyrighted.” - GNU.org
- “Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction...” – The Open Group
- Managed Source

Additional points

- HPC community bemoans the current state of vendor HPC systems. Will adopting OS licensing policy improve their situation?
- Copyleft OS licensing prevents HPC systems vendors from incorporating advances into Solaris, AIX, Windows...