Single-Vendor Open Source Firms

Prof. Dr. Dirk Riehle

Friedrich-Alexander University Erlangen-Nürnberg

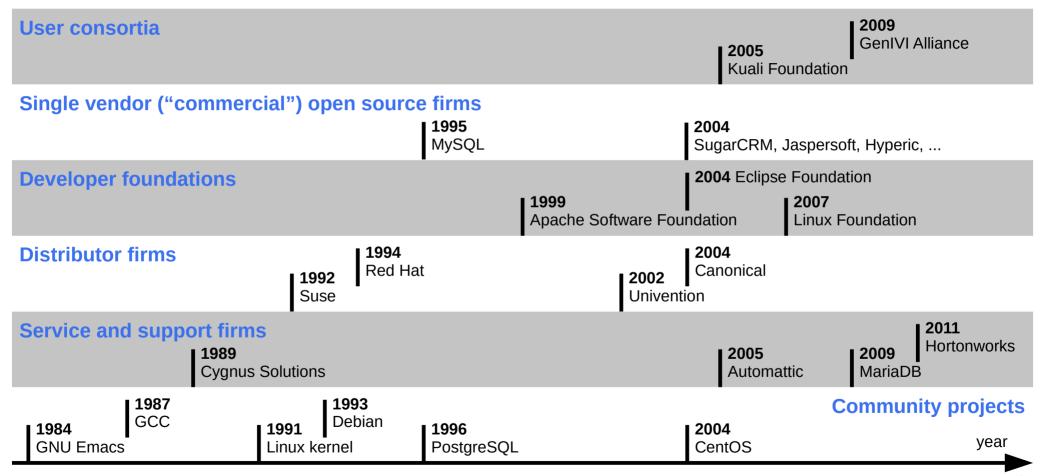
FOSS C06

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Open Source and Innovation

- 1. Legal innovation
- 2. Process innovation
- 3. Software tool innovation
- 4. Business model innovation

Evolution of Open Source Projects (Recap)



Open Source "Business Models" (Recap)

- Non-profit open source
 - Community projects without foundation
 - Open source developer foundations
 - Open source user foundations
- For-profit open source
 - Service and support firms
 - Open source distributor firms
 - Single-vendor open source firms

Single-Vendor Open Source Project

- A single-vendor open source project
 - Is an open source project that is tightly controlled by one vendor
- Legally, the project may be open source
 - Practically, it is not: Rather it is a proprietary project
 - There is much more to an open source project than a license
 - Proprietary = One proprietor (owner)
- Single-vendor open source is the new proprietary source

Single-Vendor Open Source Firms

- A single-vendor open source firm
 - Is the software vendor behind a single-vendor open source project
 - Owns and provides the project as its main product

Examples of Single-Vendor Open Source Projects / Firms



















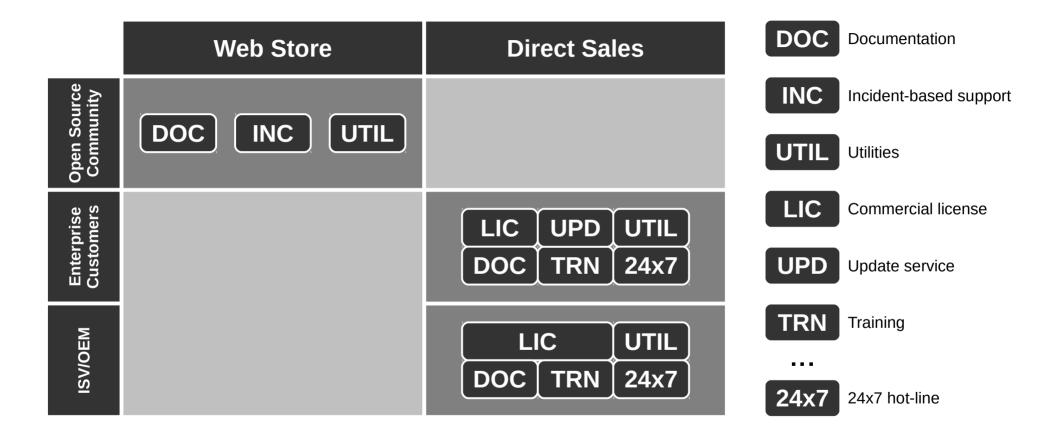
"Gartner Predicts" (2010)

"By 2012, at least 50% of direct commercial revenue attributed to open-source products or services will come from **projects under a** single vendor's patronage." [D10]

Community vs. Commercial Edition

- Community edition
 - Core product provided under an open source license
- Commercial edition (a.k.a. professional or enterprise edition)
 - Whatever customers are willing to pay for, i.e.
 - Basic product, bundle of usage rights to
 - Core software under a commercial license, additional software
 - · Guarantees and certifications
 - · Support services
 - Whole product, i.e. basic product +
 - Proprietary extensions
 - · Training and consulting
 - Operations
- Sometimes called the "open core" business model [L09]

Jaspersoft Commercial Offering (2010) [WR13]



Why Pay for Open Source Products?

"Some people spend time to save money, some spend money to save time." [M10a]

Original Single-Vendor Open Source

Entrepreneur

- Identifies market opportunity
- Founds company
- Acquires funding

Company

- Develops software from scratch
- Goes to market by releasing software as open source
- Maintains rights to intellectual property

More Recent Single-Vendor Open Source

- Entrepreneur
 - Identifies market opportunity around existing project
 - Founds company
 - Acquires funding
- Company
 - Develops software by building on community project
 - Where "building on" means
 - Hires as many original developers as is possible
 - Develops product based on community project
 - Goes to market by releasing extensions as open source
 - Maintains proprietary rights to extensions

Time-line of Single-Vendor Open Source

- Mid-1990 to early 2000
 - Early adopters, trailblazers
 - Sleepycat, MySQL, The Qt Company
- Mid-2000 to early 2010
 - Strategic adopters addressing markets ripe for disruption
 - SugarCRM, Jaspersoft, Mulesoft
- Since late 2000
 - Second-generation, around communities
 - Hadoop: Cloudera, MapR, Hortonworks

NoSQL Databases and Firms









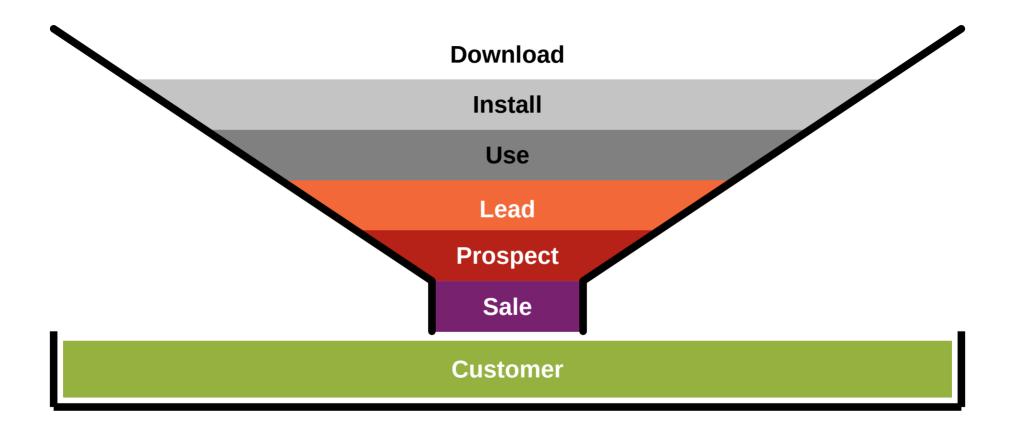
Benefits of Open Source Approach

- Significant benefits for
 - Marketing and sales
 - Market faster, sell more effectively
 - Business development
 - Identify partner opportunities better
 - Product management
 - Build a superior product faster
 - Software development
 - Build a product at lower cost

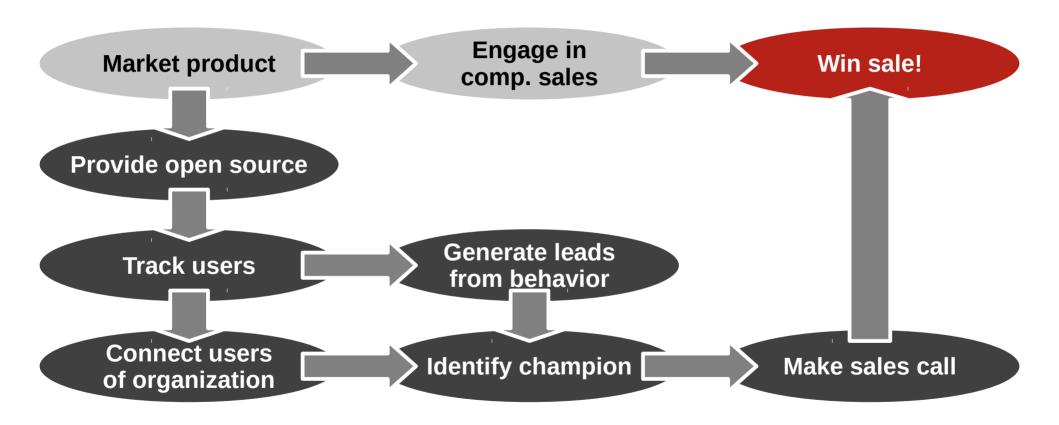
Benefits to Marketing and Sales

- Marketing
 - Community word-of-mouth evangelizes product
 - Community creates wider outreach than possible without
- Sales
 - Existing in-house use of product creates credibility
 - Sales is frequently aided by in-house champion

Open Source Sales Funnel



Open Source Sales Process





Senior Vice President, Marketing N. Nobby Akiha

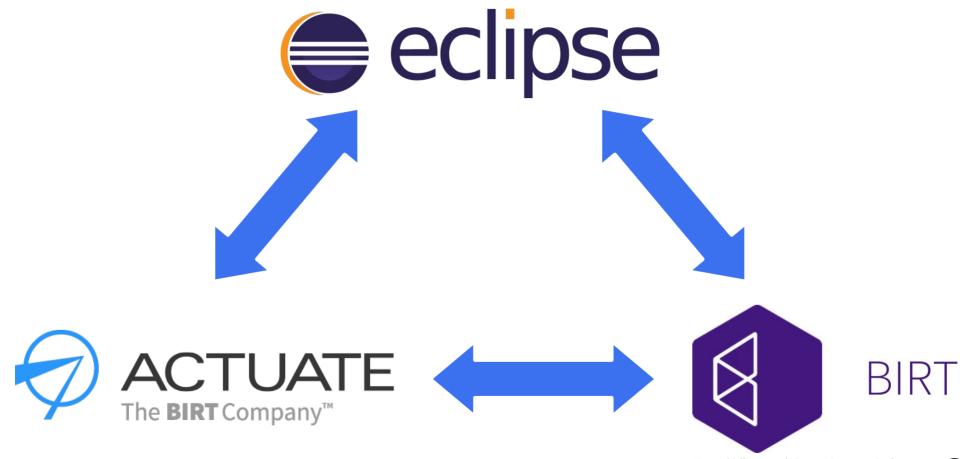
nakiha@actuate.com

- → tel 650 645 3455 → fax 650 645 3700

Actuate Corporation 2207 Bridgepointe Parkway San Mateo, CA 94404

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Using Foundations as a Marketing Channel



Benefits to Business Development

- User innovation helps identify strategic partners
- Smart single-vendor firms set-up their own forge

Exchange Forum Tutorials Sources Bugtracker Other





Meet the Talend Community Coders

Numbers of

members currently logged in: 1
new members this month: 4308
posts on the forum today: 18
posts on the forum this week: 486



Components

Review all existing components, filtered by release and category.

This list is updated in real time.

Go there now!



Sources

The source code of Talend's open source solutions is available, directly in the source code repositories used by Talend's development teams.

Go there now!



Bugtracker

Direct access to the issues reporting and tracking system used by Talend's Development Team. Go there now!

Highlighted Community Member



"Talend offers innovative projects and robust products enabling managers to control their channels of information and business processes."

Laurent Bennati

Benefits to Product Management

- A well-working community
 - Provides fast and direct feedback
 - Provides alternative solutions, ideas
 - Explores extensions, niche markets for free
 - Signals new needs, strategic alliances

Challenge to Product Management

- Community Version
 - Home user
 - Will never pay money
 - But pays with time, feedback
 - Line-of-business user
 - Likes \$0 line-items
 - Somewhat ignorant of risks

- Commercial Product
 - Enterprise customer
 - Is willing to pay
 - Requires enterprise features
 - Internal IT department
 - Has appropriate budget
 - Wants professional support

Benefits to Software Development

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 - Finds bugs fast, sometimes provides fix, ultimately lowers costs
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 - Serves as a recruiting source

"Source code [is just] 10% of the effort." [L07]

Costs of Open Source Approach

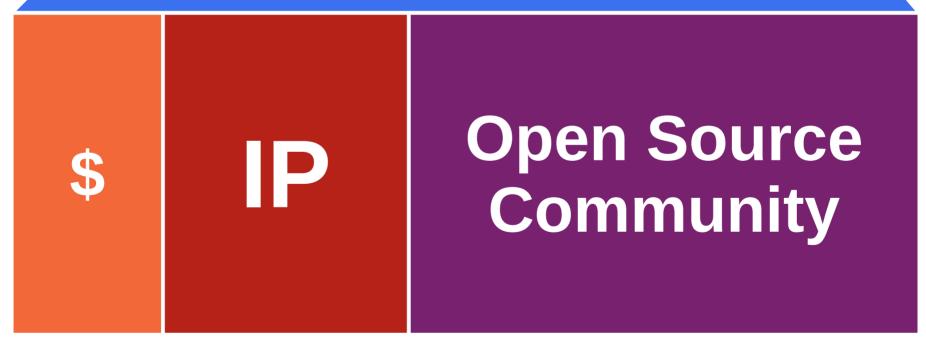
- Additional costs in
 - Software development
 - Intellectual property management
 - Community management
- Benefits outweigh the costs

Operating Expenses of a Software Vendor [C12]

	2011 (\$m)	Percentage
Revenues	\$1.657	100%
Subscription and Support	\$1.551	94%
Professional Services etc.	\$106	6%
Cost of Revenues	\$324	20%
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Professional Services etc.	\$116	7%
Gross Profit (and Gross Margin) Operating Expenses	\$1.333	80%
	\$188	11%
		48%
Research and Development Sales and Marketing	\$792	7070
Research and Development	\$792 \$256	15%
Research and Development Sales and Marketing	· · ·	

Approach Requires New Capabilities

Single-Vendor Open Source



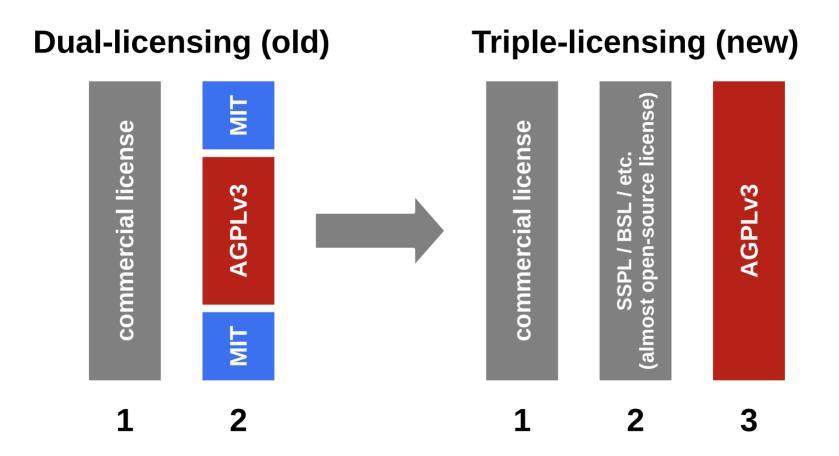
Intellectual Property Management

- Intellectual property rights imperative [R09]
 - "Always act in such a way that you, and only you, possess the right to provide the open source project under a license of your choice."
- Use reciprocal license to keep competition away
 - Almost all single-vendor-owned commercial open source is provided under a reciprocal license, typically the AGPL v3
- Use contributor agreement to maintain ownership
 - Almost all single-vendor open source firms require copyright transfer for any contributions to maintain full IP ownership

Application vs. Component Single-Vendor Open Source

- Application vendors usually dual-license
 - AGPLv3-only to drive adoption by enterprise users
 - Commercial license for paying customers
- Component vendors currently multi-license
 - Permissively licensed open source to drive adoption by application developers
 - AGPLv3-only for software core to keep competition away
 - Permissive open source license for component adapters / connectors / client libraries to drive adoption
 - Commercial license for paying customers
- How to handle competition from cloud computing providers?

Solving the Component Vendor Conundrum with Triple Licensing



Control Mechanisms [R11a] [A10b]

- Copyright
- Trademarks
- Domains

Steering Mechanisms

- Social leadership
- Development process
- Strategic positioning

Community Management

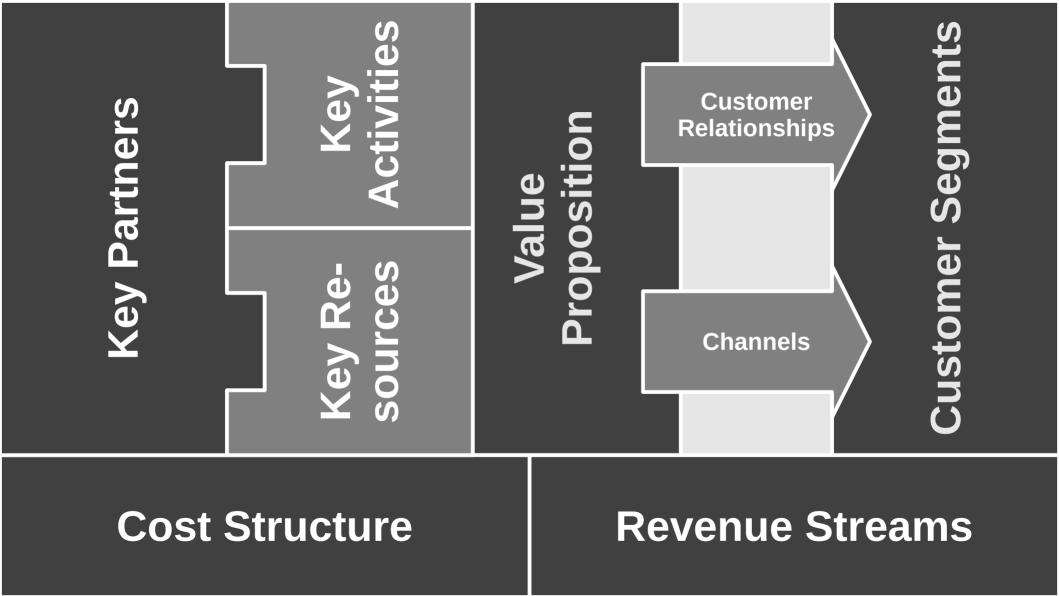
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Community Proportions

Passive	100-	
Consumers	10000x	
Active	10-	
Users	500x	
Firm Employees	1	

Revenue Proportions





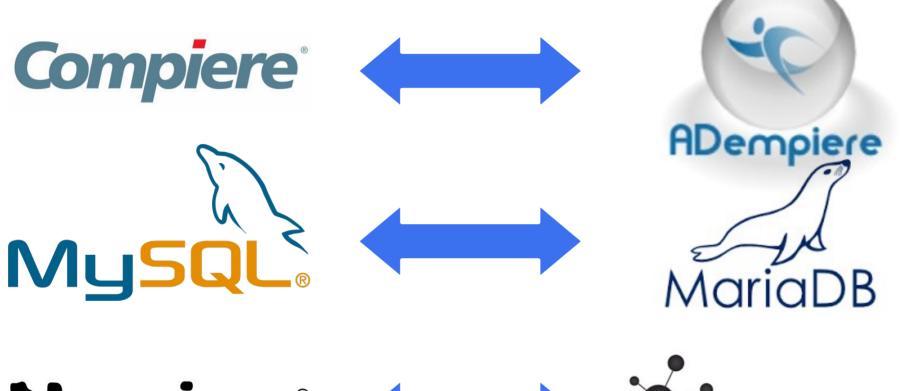
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 - Make members return, stay
- Grow community
 - Lead community to help each other
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- Manage community
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Life-cycle of Single-Vendor Firms

- Early years
 - Full fair open source play
- Growth years
 - Full fair open source play
- Maturity
 - Increased closing of product

Commercial Forks



Nagios®





Review / Summary of Session

- Single-vendor firms
 - Definition and history
 - Benefits and challenges
 - Life-cycle of firms and products

Thank you! Questions?

dirk.riehle@fau.de – http://osr.cs.fau.de

dirk@riehle.org – http://dirkriehle.com – @dirkriehle

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- Contributions

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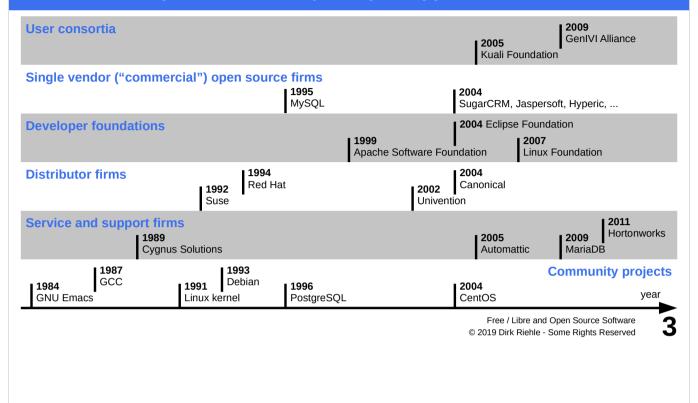
It is Friedrich-Alexander University Erlangen-Nürnberg – FAU, in short. Corporate identity wants us to say "Friedrich-Alexander University".

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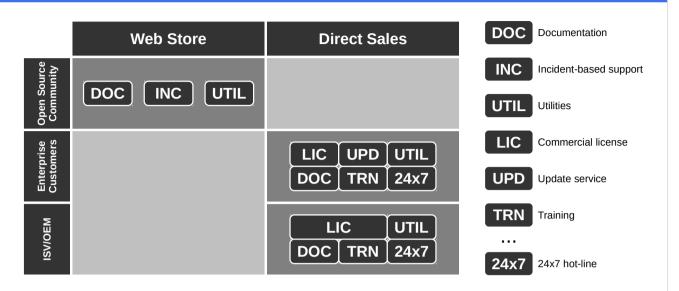
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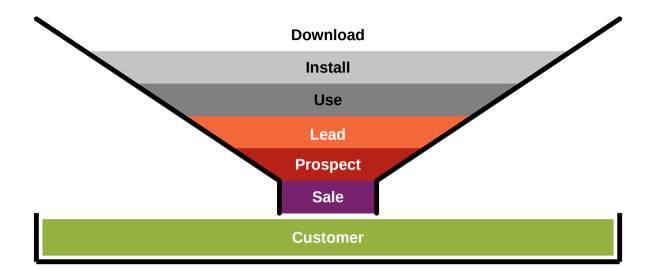
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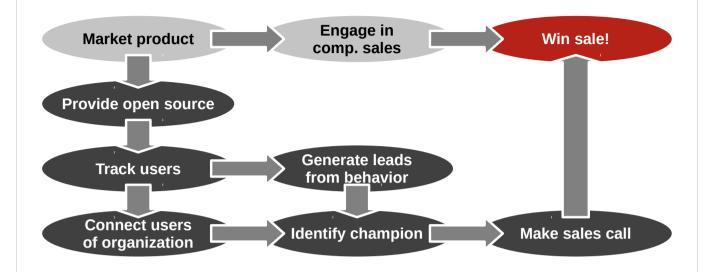
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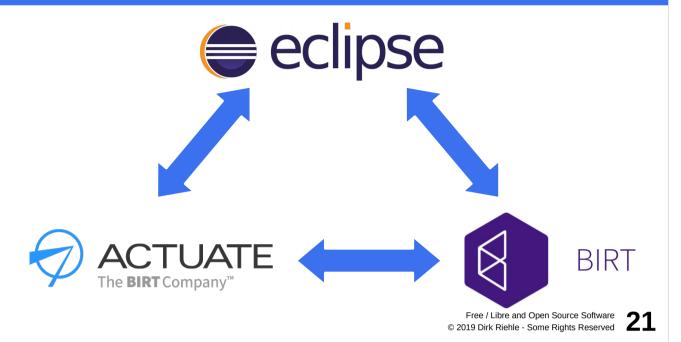
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Open Source Sales Process



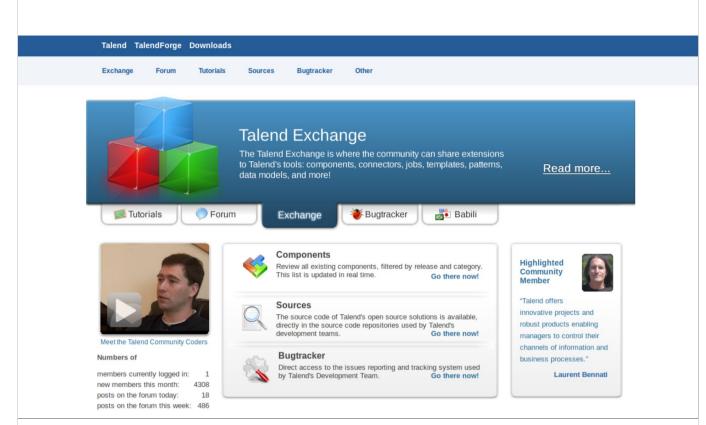


Using Foundations as a Marketing Channel



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Operating Expenses		
Research and Development	\$188	11%
Sales and Marketing	\$792	48%
General and Administrative	\$256	15%
Total Operating Costs	\$1.236	74%
Operating Profit (and Operating Margin)	\$97	6%

Approach Requires New Capabilities

Single-Vendor Open Source

\$ Open Source Community

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Intellectual Property Management

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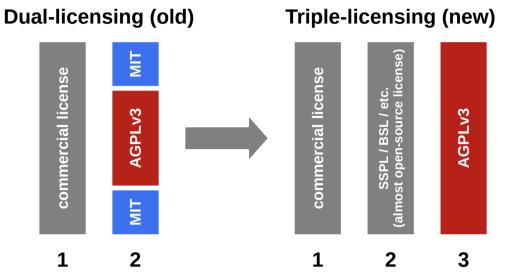
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Application vs. Component Single-Vendor Open Source

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Solving the Component Vendor Conundrum with Triple Licensing



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Control Mechanisms [R11a] [A10b]

- Copyright
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Steering Mechanisms

- Social leadership
- Development process
- Strategic positioning

Community Management

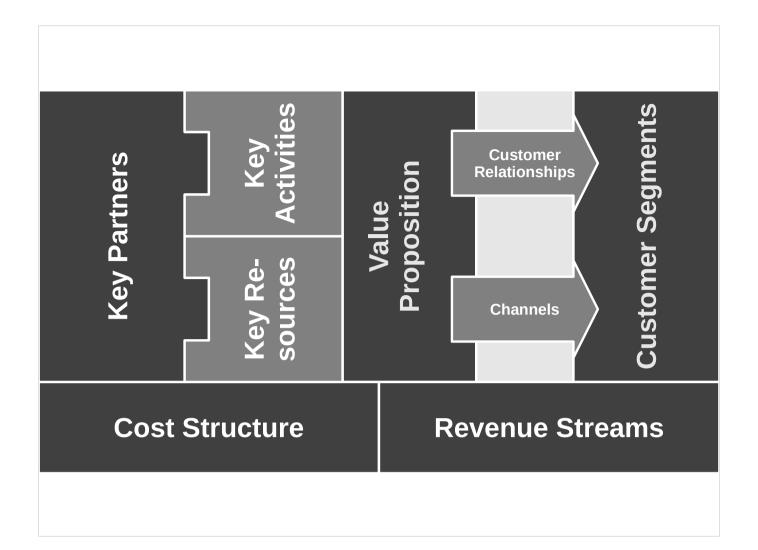
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 - Is a role (but often now a full-time position)
 - Tasked with community management

Community Proportions

Passive	100-
Consumers	10000x
Active	10-
Users	500x
Firm Employees	1

Revenue Proportions

Non-paying Users	0%
Webstore Sales	0-1%
Enterprise Sales	99- 100%



Responsibilities and Challenges

- Create community
 - Pull members on board
 - Make members return, stay
- Grow community
 - Lead community to help each other
 - Enable self-sustaining growth
- Manage community
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dirk.riehle@fau.de – http://osr.cs.fau.de dirk@riehle.org – http://dirkriehle.com – @dirkriehle	

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