



Why Do You Join Open Source Activity?

Kenneth Lee, Hisilicon





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This presentation is about?

- Why are you here?
- How can you explain to your manager(s) you are here for work, not for vacation
- How can you, and your organization, get benefit by joining open source activity



The Speaker

Kenneth Lee

- 1998 Join OS Team, GSM Product, Huawei
- 2002 Chief Designer of Quidview 2.0, a LanSwitch/Router Management System
- 2005 Chief Architect for DOPRA Linux Distribution
- 2012 Chief Software Architect for Hisilicon ARM ICT SoC, Linaro TSC Representative





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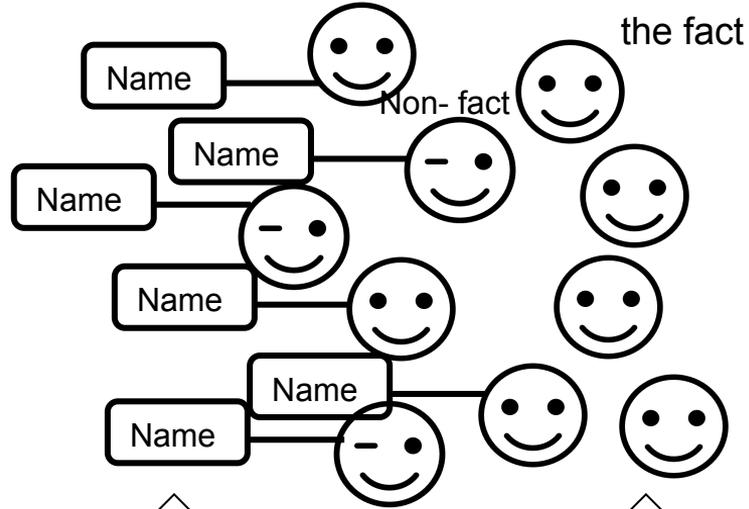
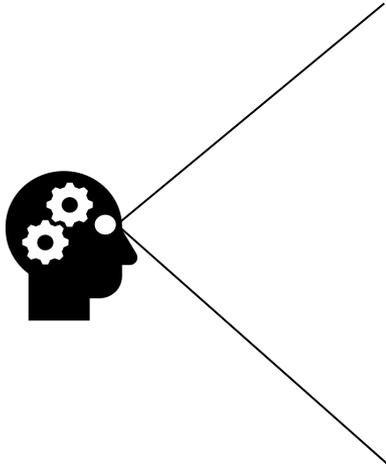
Thought

- Actually, I feel embarrassing introducing myself...
 - It is part of basic Chinese Philosophy
 - Fact always go to the reversed direction of its Name (反者道之动)
 - This is also the key point to support my view in this presentation



道可道，非常道，名可名，非常名

(route can be routed but not in its general way. Name can be named, but not in its general meaning)



Investigating the name and make it shining, the fact will be off the name

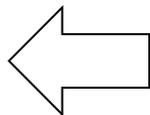
Investigating on fact can change the fact



Left vs. Right

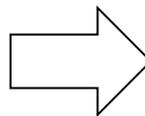
When people see a problem(Name), they try to solve it by turn it left or right

Left



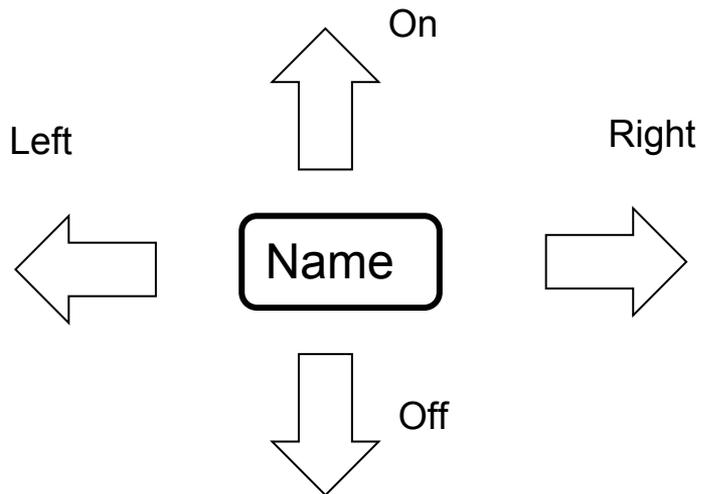
Name

Right



On vs. Off

But what if you just turn the Name off?

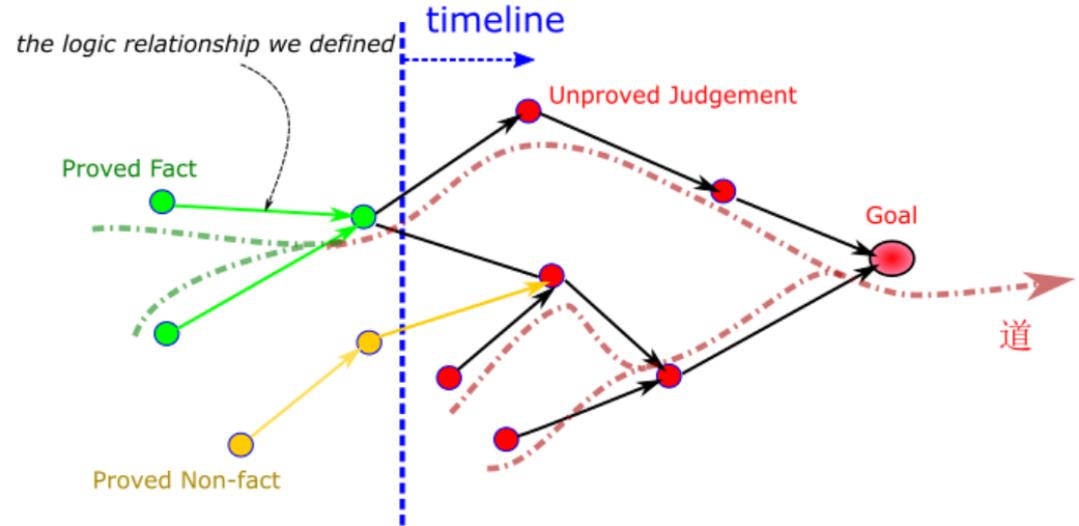


Name is the problem. We should remove the problem by shutting down the name.
(But you cannot shutdown the name without shutting down the problem)



Now let's see what architecture design is

- Architecture is to design and maintain a logic chain which lead us to our target
 - Design: make the logic chain “reasonable” and “optimized”
 - Maintenance: make the logic node “turn true” and refine the chain according to the new situation
- But system engineering is only to “make the fact happen”
- So your would be aware of system engineering activity but not the architecture activity



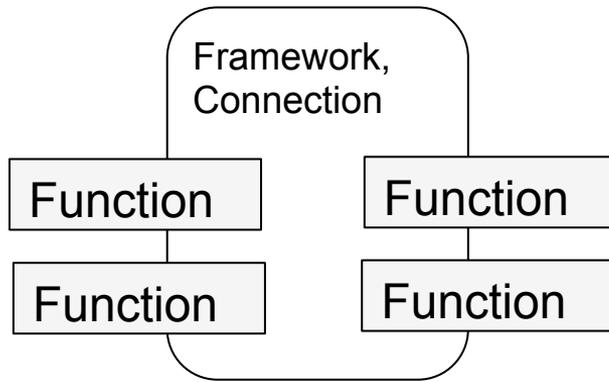
So you join open source activity to keep your architecture logic chain stable

- You have bunches of private source code to keep it safe. And it won't be if you cannot ensure the development direction of the ecosystem that you rely on
- You don't come to take the code, you can always take the code without joining it
- You don't come to develop the code together with your competitors. You won't be trying hard in the case. And a source base without trying hard make no sense for you to rely on.
- You don't try to ask a community to fulfill your business requirement by giving them some money. You should pay a out sourcing team to do so.
- You are not supposed to tell your internal team you bring benefit to them because they can get it without your help.
- The only way that you can get benefit from a community is to bring (some of) your internal development force to the open source community, so your main business will be safe.

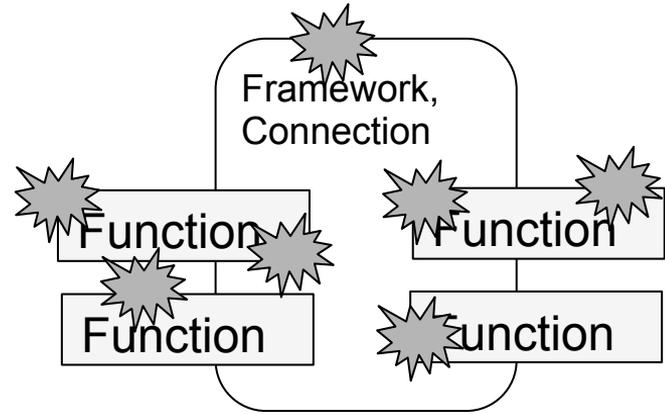


Why the standard organization's way not works any further?

- Complexity: Code changed for no reason, it just works like that



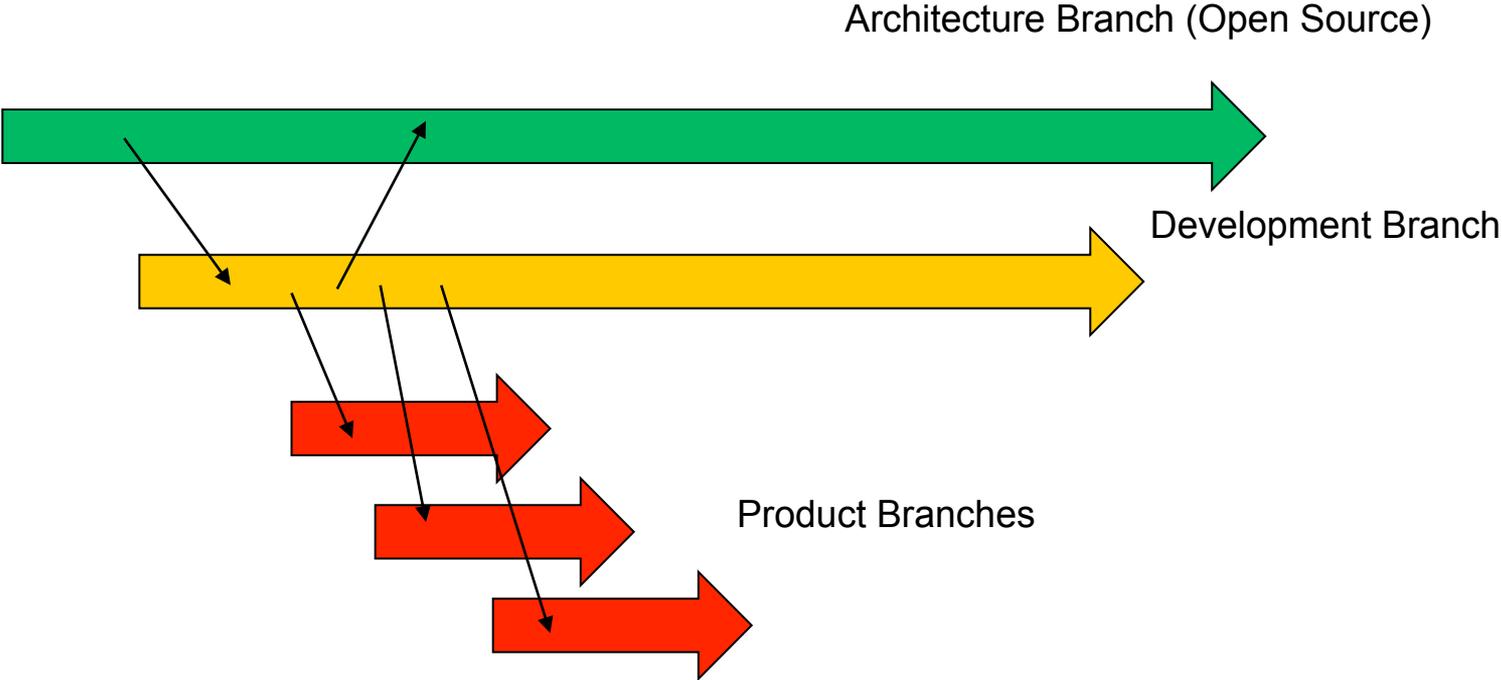
Code Initiation
(Driven by Requirement)



Code Base Evolution
(Driven by Competition)
(Added for Performance, added function,
maintenance...)

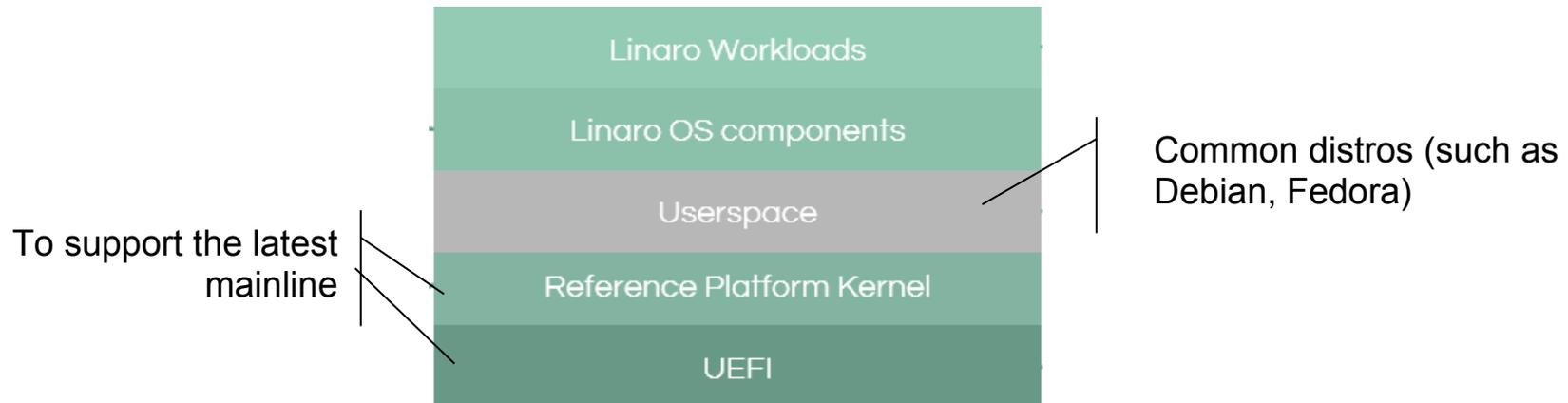


Open Source Branch vs. Business Branch



Example: How ERP Strategy is made (1/2)

- Enterprise Reference Platform: A platform to help the enterprise ecosystem to be compatible with each other
- It is not intended to create another distro



Example: How ERP Strategy is made (2/2)

- It does not compete with the ecosystem
 - It is not a “long term support” version, so it is not compete with any distribution
 - It is not a “landing project” for SoC, so it is not block your own landing team to join
- It is attractive to the ecosystem
 - It is the only version that can support the latest feature and latest Linux kernel for ARM server hardware (not behind the mainline for more than 2 revisions)
 - Any new feature can be merged to the next ERP version. But if the pusher cannot hold it. It will be dropped in next release.
 - All Linaro common features will be developed and verified only on ERP. Linaro and its members will all encourage their cooperators to develop and verified new technology on ERP.





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Conclusion: 圣人无私，所以成其私

- We work with open source community by helping it.
- We help it so we are compatible with it. So it belong to us.
- We take it without contributing to it. It becomes our burden. It does not belong to us.





Thank You

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