

New Team

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IT面临的矛盾

- **IT软件与IT服务的矛盾**
 - 卖软件 -> 卖服务
- **业务快速响应与研发模式的矛盾**
 - IPD->DevOps->NoOps
- **特性演变与软件架构的矛盾**
 - MVC->SOA->MicroService
- **软件复杂度与运维自动化的矛盾**
 - CI->Continuous Delivery->Continuous Deployment
- **软件生态建设与封闭的系统的矛盾**
 - 封闭的软件系统->开源/开放集成/软件生态圈

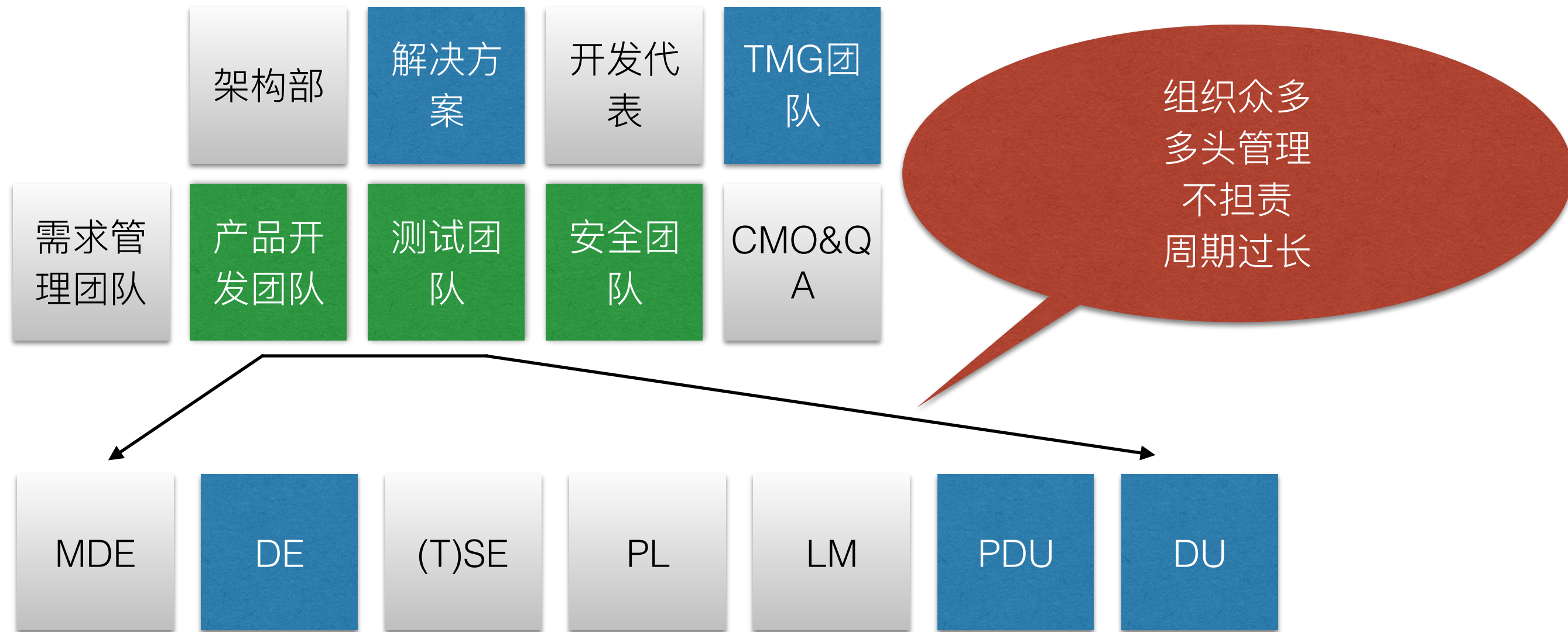
软件形态

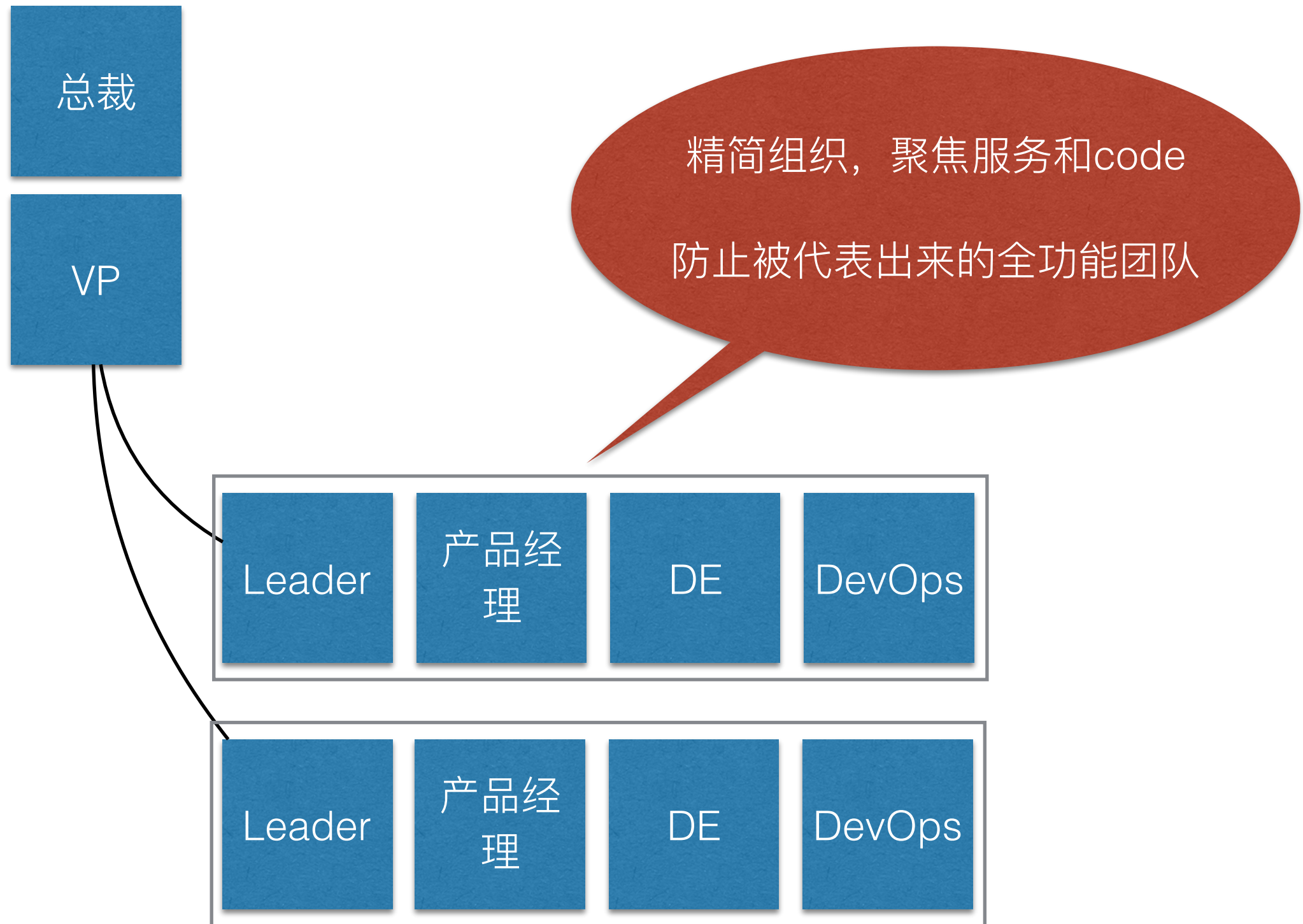
- 嵌入式软件
- IT软件(IBM, MS, Oracle..)
- 互联网软件



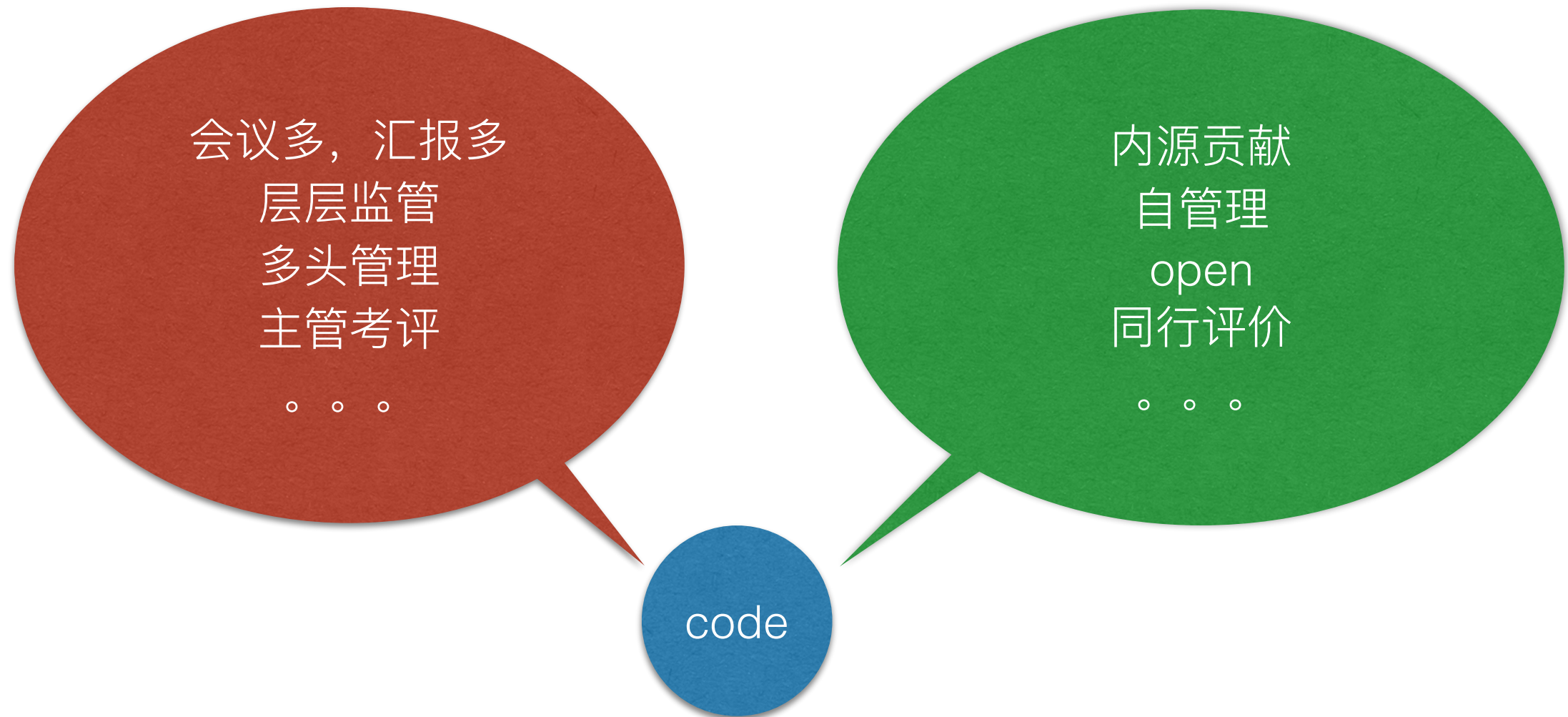
云分布式软件

研发模式





团队文化



- 尊重工程师文化的最好方式是以code为中心的价值观
- 尊重工程师知识产权
- 尊重个人, 避免被代表
- 由内而外叫文化, 由外而内叫制度

软件架构和设计模式

- 软件架构： 4到12多
- 设计模式： 22到300多
- ACT15立方
- 架构师和DE的能力



自动化运维


- DevOps
 - Collaboration between project team roles
 - Infrastructure as Code: Scripted Infrastructure Configuration
 - Automation of Tasks / Processes / Workflows
 - Monitoring Applications and Infrastructure
- CloudDragon
 - 服务框架
 - 分布式版本仓库
 - 自动化测试
 - 自动化部署(Docker, DMK)
 - 服务监控
 - ...

用好开源

- 开源License
- 基金会
- 开源背后的商业目的
- 何时介入开源



Apache软件基金会
Linux基金会
Eclipse基金会
OpenStack基金会
OpenDaylight基金会
...



事实标准
软件生态

软件生态

- SDK
- OpenAPI
- MarketPlace
- 开发者社区

“古之欲明明德于天下者，先治其国； 欲治其国者，先齐其家； 欲齐其家者，先修其身； 欲修其身者，先正其心； 欲正其心者，先诚其意； 欲诚其意者，先致其知； 致知在格物。”

—曾子

“The following words were written on the tomb of an Anglican Bishop in the Crypts of Westminster Abbey:

When I was young and free and my imagination had no limits, I dreamed of changing the world. As i grew older and wiser, I discovered the world would not change,so I shortened my sights somewhat and decided to change only my country.

But it, too, seemed immovable.

As I grew into my twilight years, in one last desperate attempt, I settled for changing only my family, those closest to me, but alas, they would have none of it.

And now as I lie on my deathbed, I suddenly realize: If I had only changed my self first, then by example I would have changed my family.

From their inspiration and encouragement, I would then have been able to better my country and, who knows, I may have even changed the world.”

End