

ArchSummit全球架构师峰会 北京站2015

如何构建高效能的研发机构

梁胜 Rancher Labs

Geekbang>

极客邦科技

整合全球最优质学习资源, 帮助技术人 and 企业成长
Growing Technicians, Growing Companies

InfoQ
new

专注中高端技术人员的
技术媒体



EGO EXTRA GEEKS' ORGANIZATION
NETWORKS

高端技术人员
学习型社交网络



StuQ
new

实践驱动的
IT 职业学习和服务平台



GiT GEEKBANG
INTERNATIONAL
TRAINING
极客邦培训

一线专家驱动的
企业培训服务



旧金山 伦敦 北京 圣保罗 东京 纽约 上海
San Francisco London Beijing Sao Paulo Tokyo New York Shanghai

QCon

全球软件开发大会

2016年4月21-23日 | 北京·国际会议中心

主办方 **Geekbang**  **InfoQ**
极客邦科技

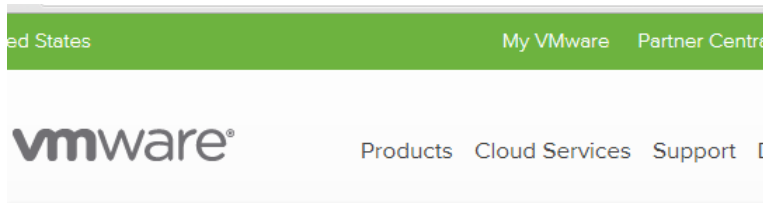
7折 优惠 (截至12月27日)
现在报名, 节省2040元/张, 团购享受更多优惠

www.qconbeijing.com



扫描获取更多大会信息

VMworld Sept 2008



Home / Company / Newsroom / News Releases
/ VMware Announces vCloud Initiative for Enterprise- ...

VMware News Releases

VMware Announces vCloud Initiative for Enterprise-Class Cloud Computing with Support from Industry Leaders BT, Rackspace, SAVVIS, SunGard, T-Systems, Verizon Business and Others

vCloud Initiative to Federate Resources Between Internal IT and External Clouds and Enable Broad Application Compatibility for Cloud Computing

LAS VEGAS, Nevada, September 15, 2008— Today at VMworld 2008, VMware, Inc. (NYSE: VMW), the global leader in virtualization solutions from the desktop to the datacenter, announced its vCloud Initiative,





VMware vCloud Team

A team of 200+ elite
engineers from all
groups inside
VMware



Cloud.com CloudStack Team

A team of 15
developers who
didn't know what
they were up against

The VMware Advantage over Cloud.com CloudStack 2.0

Top Reasons to Deploy VMware® vCloud Director

VMware vCloud Director delivers secure, multi-tenant private cloud infrastructure while driving the highest degree of agility, efficiency and freedom of choice

1. VMware delivers the complete stack, with all the components needed to build a Secure Private Cloud

- **VMware provides a fully integrated secure private cloud solution:**
 - vSphere + vCenter: Industry-leading, most proven virtualization platform
 - vShield Edge: Integrated network security for virtual environments
 - vCenter Chargeback: Comprehensive cost and resource allocation features
 - vCloud Director: Multi-tenant IaaS cloud management solution
- **Cloud.com only focuses on the management layer of the cloud stack and requires extensive integration with 3rd party products to build a complete cloud solution**

2. Tight integration of vCloud Director and vSphere enables more advanced features compared to compromises from Cloud.com's multi-hypervisor support

- **vCloud Director is optimized to take advantage of the advanced capabilities of vSphere 4.1, such as**
 - Distributed virtual switch
 - DRS
 - CPU & memory resource controls, Storage & Network I/O Control
 - Hot add memory/CPU/disk
- **CloudStack masks valuable features from the underlying platform**
 - Enterprise edition with XenServer 5.6 is full of compromises:
 - No memory overcommit (i.e., Citrix Dynamic Memory Control)
 - No workload balancing
 - No manual VM migration – live or otherwise
 - No Fibre Channel storage
 - Thin provisioning on NFS only – not iSCSI

3. vCloud Director provides secure multi-tenancy on shared hardware resources, with guaranteed allocation and isolation of CPU/memory resources

vmware
vCloud Director

- vCloud Director leverages vSphere resource pools**
- Tried and proven resource isolation
 - Enables virtual datacenters through efficient pooling of resources
 - vSphere Storage and Network I/O Control for shared infrastructure fairness

cloud.com
CloudStack 2.0

- Cloud.com CloudStack cannot enforce resource isolation**
- No capabilities in underlying platform to aggregate and subdivide resources
 - No effective way for user to select a particular cluster for use
 - Difficult to avoid "noisy neighbors" on shared storage resources

4. CloudStack 2.0 displays several basic security weaknesses generally not seen in more mature products

- **No SSL access to management servers**
- **Virtual routers based on outdated Linux distro (Fedora 8) with no apparent mechanism to keep updated**
- **Private SSH and SSL certificates are proliferated, therefore compromise of a single host can lead to widespread breach**
- **Remote console SSL encryption relies on public DNS server (Operated by Cloud.com), which is a possible security vulnerability that could lead to information leakage**
- **Password reset feature sends plaintext passwords over network**

Only VMware vCloud Director provides a path to secure hybrid clouds that fully employs the power and flexibility of VMware vSphere.

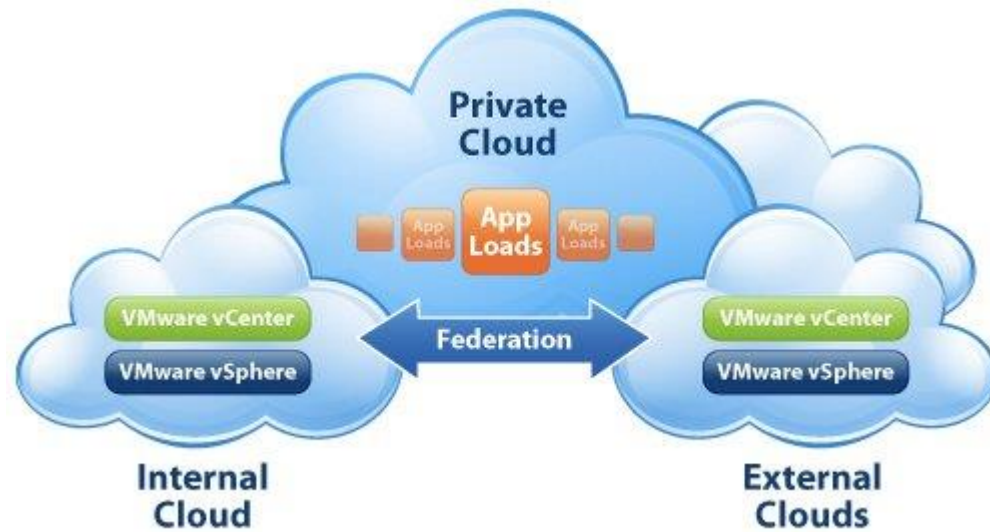
Version: 1.0 – Dec 2010

© 2010 VMware, Inc - VMware Confidential - For use with VMware resellers and customers only and should not be redistributed or disseminated.

vmware

Why do so many capable development teams fail to deliver a great product?

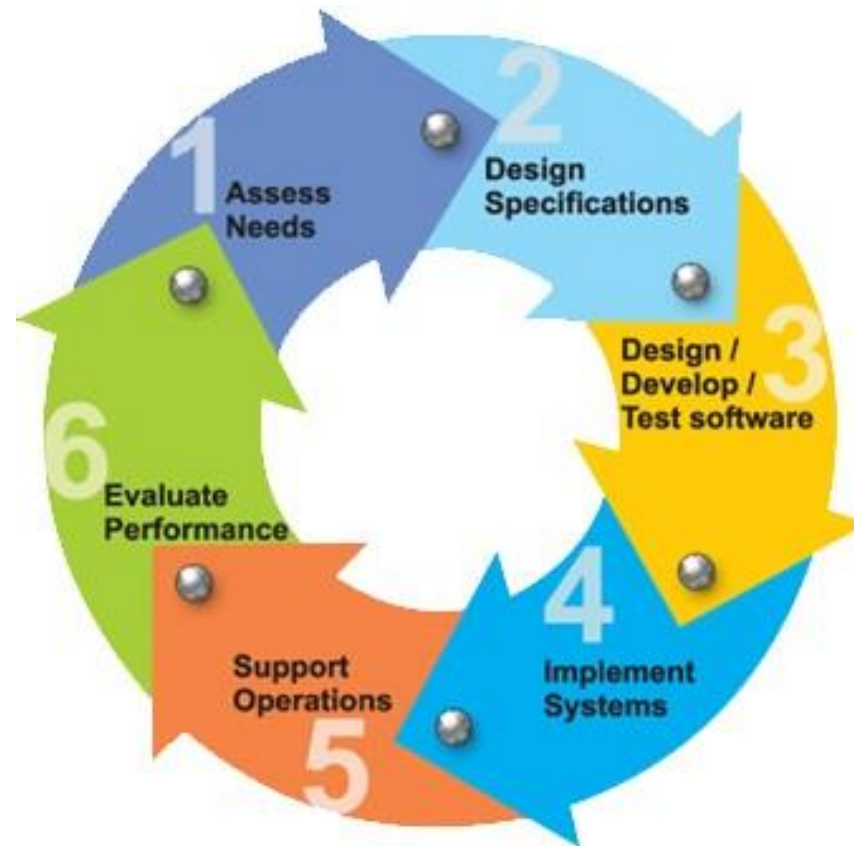
The pitfalls of “AND”



A good developer should proactively simplify the product



Is your engineering process as efficient as it can be?



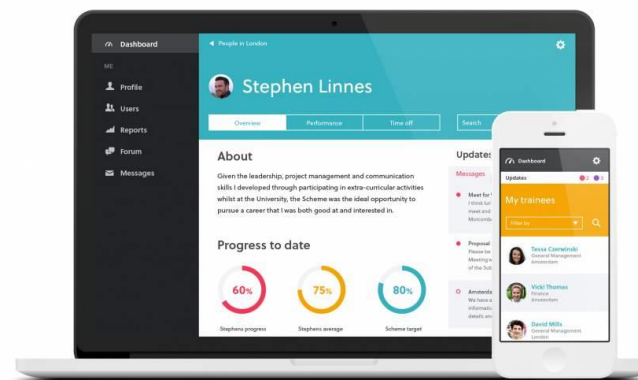
Architects vs. coders



Innovation centers & research labs



What does a developer want?



That comes between developers and customers?



Developers



Customer Support



Customers



Product Manager



Andi Gutmans

Software Executive, Open Source Innovator, Thought Leader

Following

Is the Product Marketing Role Becoming Extinct?

Dec 1, 2015

156 views



7 Likes



0 Comments



Here's an interesting question for enterprises to consider: What if product marketers have no role to play in the future of your organization? Though provocative, it's a question that cannot be answered without a common understanding as to what the modern product marketer actually does, and more importantly, what they should be doing. So with that as the backdrop, let's take a closer look at the role.

Where do we look for developers?



10310 Moretti Dr,
Cupertino, CA 95014

4 beds · 3.5 baths · 1,911 sqft

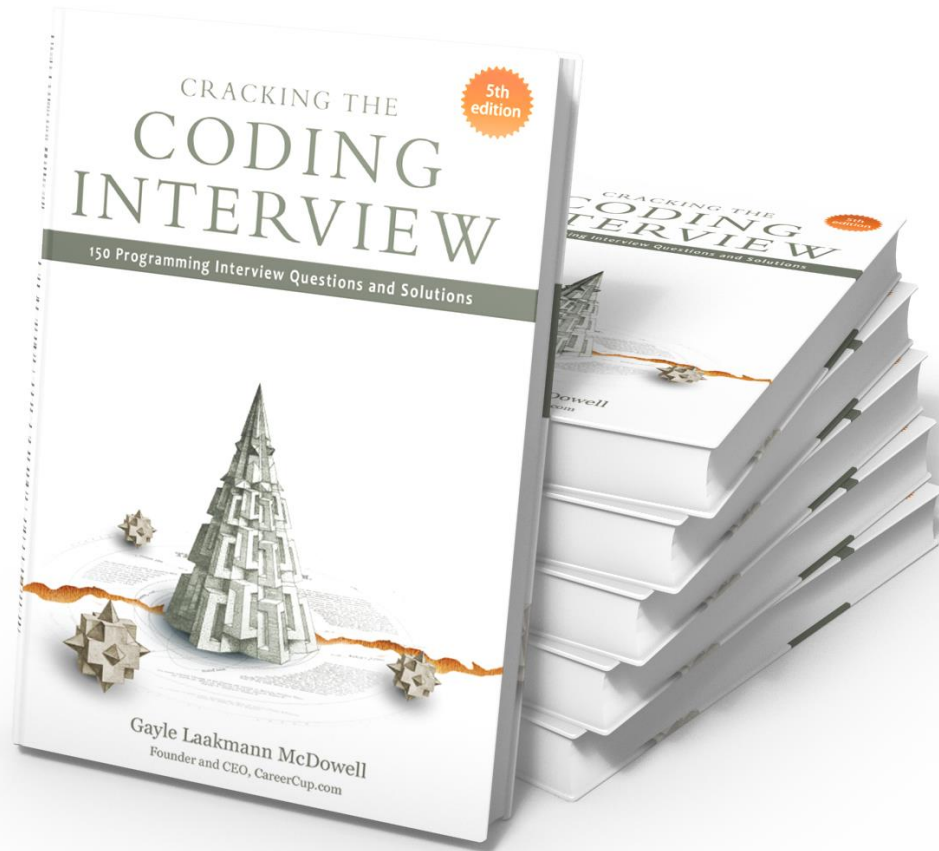
● FOR SALE
\$1,799,000

329 W Sumerset Dr,
Phoenix, AZ 85023

3 beds · 3 baths · 1,925 sqft

● FOR SALE
\$259,900

How to look for the right talent





Solutions engineer	SmartJog	September 2006 – November 2007
Infrastructure Engineer	CEIS	May 2004 – September 2006
Self-employed		January 2003 – May 2004
Junior software engineer	San Diego Supercomputer Center	July 2002 – December 2002
System Administrator	Fairgame	September 1999 – September 2001



Search GitHub

[Pull requests](#) [Issues](#) [Gist](#)



Darren Shepherd
ibuildthecloud

🏢 Rancher Labs, Inc.

🌐 <http://rancher.com>

🕒 Joined on May 18, 2012

165

Followers

2

Starred

0

Following

Organizations

[+ Contributions](#)

[📁 Repositories](#)

[🔍 Public activity](#)

[👤 Follow](#)



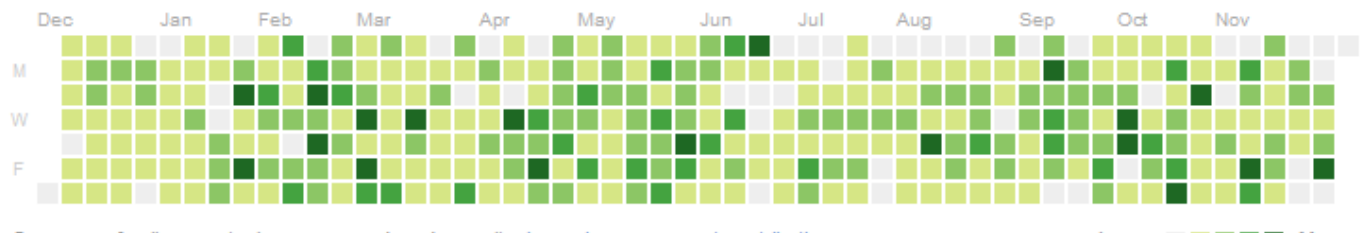
Popular repositories

📁	systemd-docker	287 ★
Wrapper for "docker run" to handle systemd q...		
📁	coreos-on-do	95 ★
Script to install CoreOS on Digital Ocean		
📁	only-docker	91 ★
Docker as PID 1... what?!		
📁	dapper	7 ★
Docker build wrapper		
🔗	stampede	5 ★
Hybrid IaaS/Docker orchestration platform ru...		

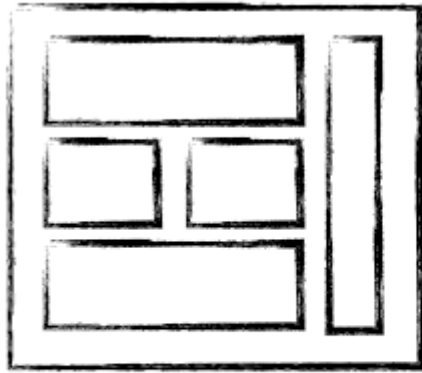
Repositories contributed to

📁	rancher/cattle	179 ★
Infrastructure orchestration platform		
📁	rancher/os	1,773 ★
The easiest way to run Docker in production		
📁	rancher/rancher-compose	61 ★
Docker compose compatible client to deploy ...		
📁	rancher/python-agent	3 ★
Python agent for Rancher		
📁	rancher/rancher	2,323 ★
A Platform for Operating Docker in Production		

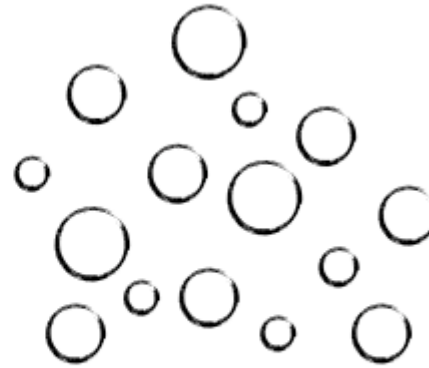
Public contributions



Developing microservices

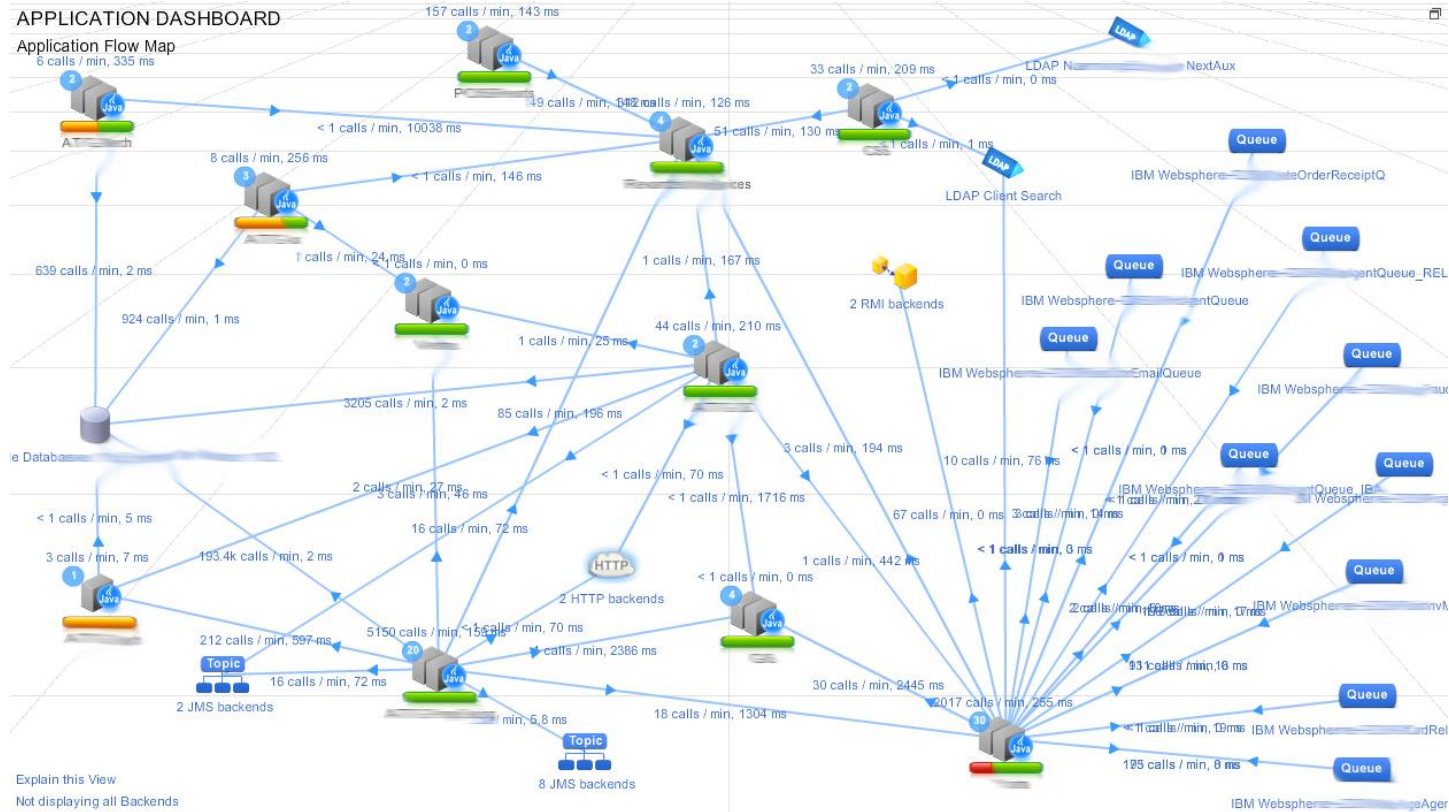


MONOLITHIC/LAYERED



MICRO SERVICES

gdb for microservices?



Engineer salary in Silicon Valley

\$60K/year

1995

\$120K/year

2015

Factors that impact R&D effectiveness

- Thoughtful product management to eliminate unnecessary work
- Efficient engineering operations – small team, hands-on coding
- Engineers who are so passionate about serving customers and about writing code that they voluntarily put in extra time and effort
- The right talent for the job

Questions?

sheng@rancher.com

Thanks!

