

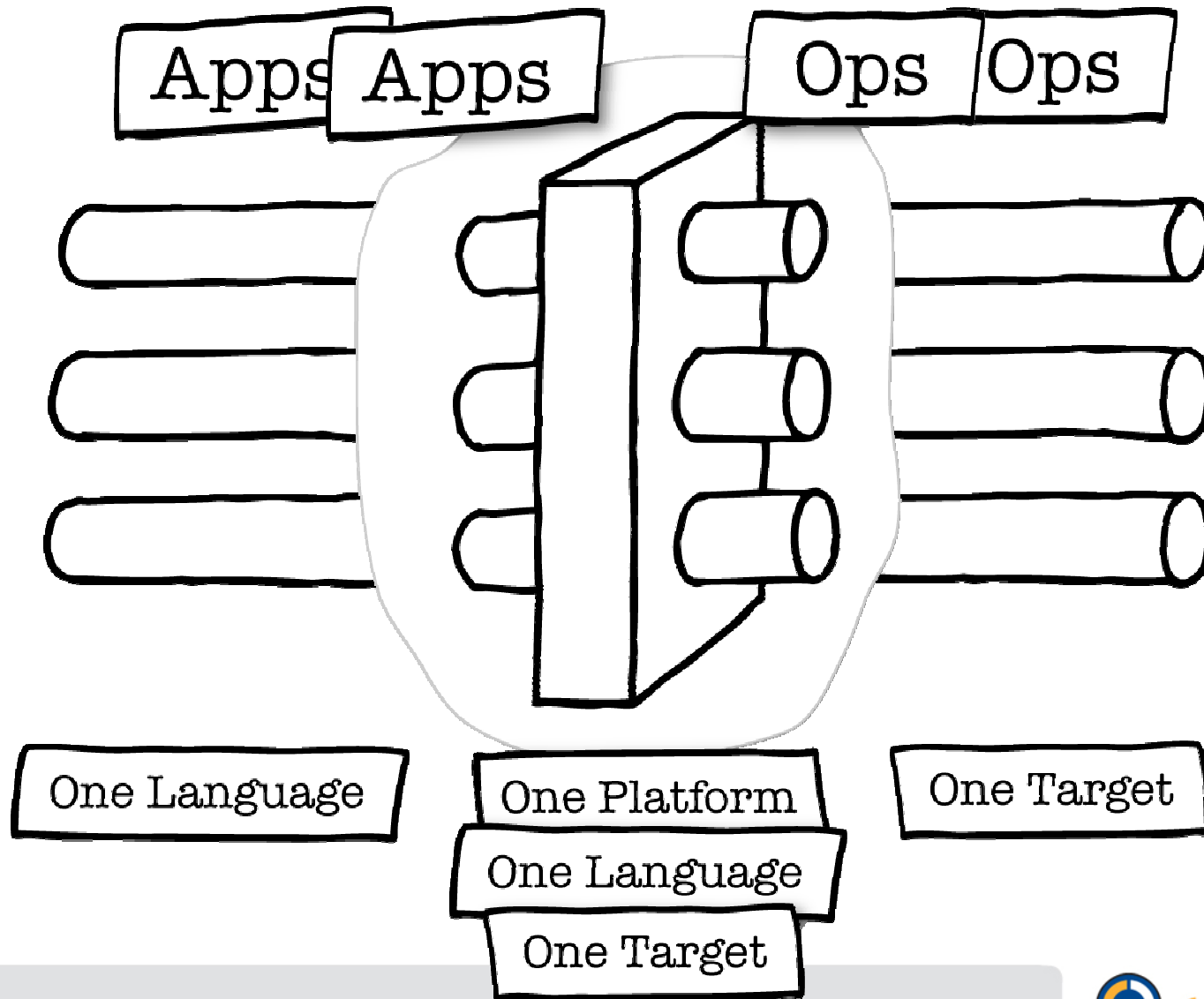
Introduction to rPath

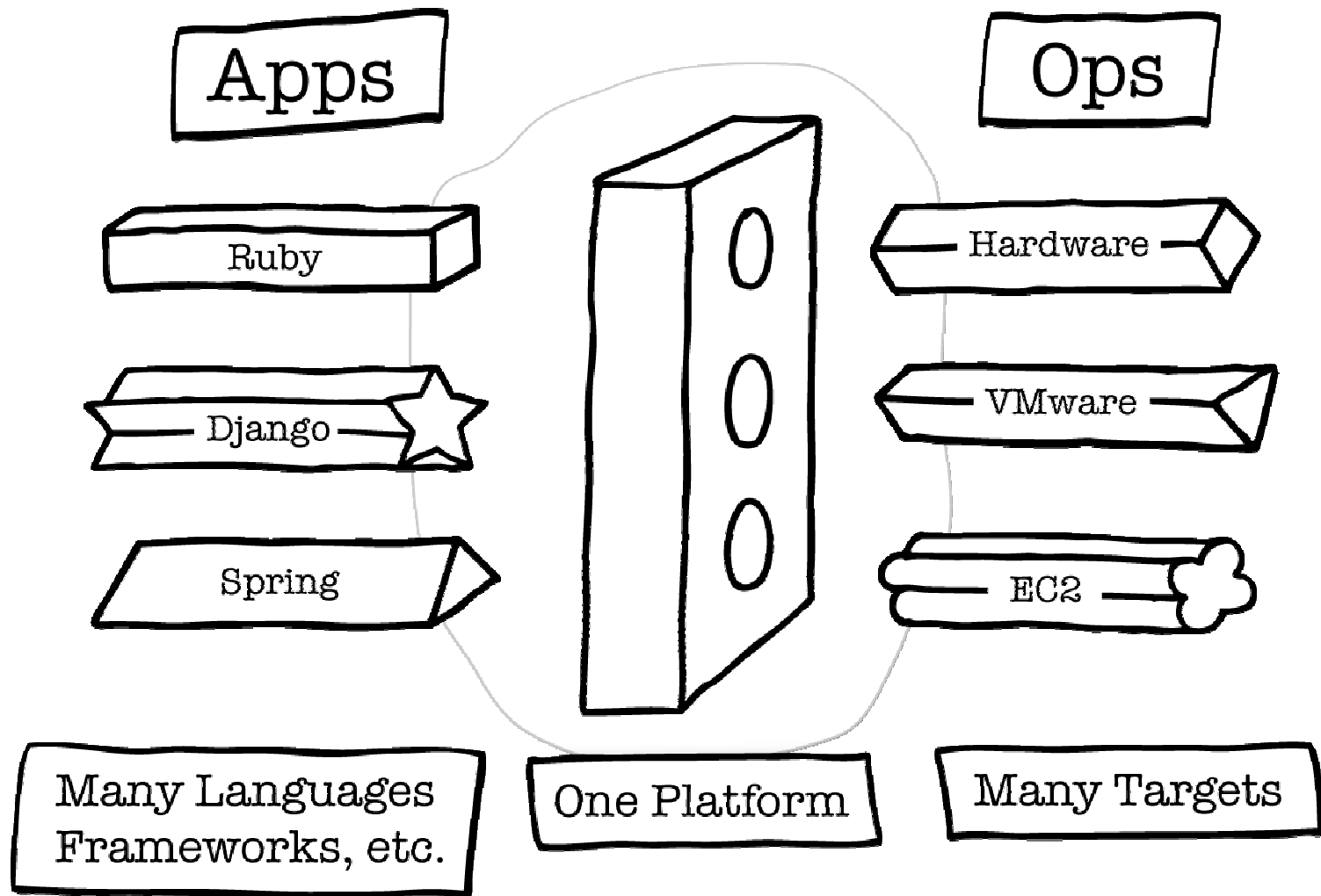
Reducing the Cost and Complexity of
Application Delivery



About rPath, Inc.

- Headquartered in Raleigh, NC
- Founded in January 2006 by the original Red Hat team
- Well-capitalized by top-tier VCs
- 60+ enterprise and ISV customers
- Three key products
 - rBuilder®
 - rPath Lifecycle Management Platform™
 - rBuilder® Online





Changing IT Relationships



Developers

- Why won't IT support this?
- Why can't I use version X?
- Why can't I get better availability?
- How can I pay for what I need?
- How quickly can I get "n" servers?



Operators

- Why do we have "x" versions of every package?
- How can I limit variation?
- How can I do finer grain provisioning?
- Where do we enforce security, regulation and audit?

Costs: 80% fixed



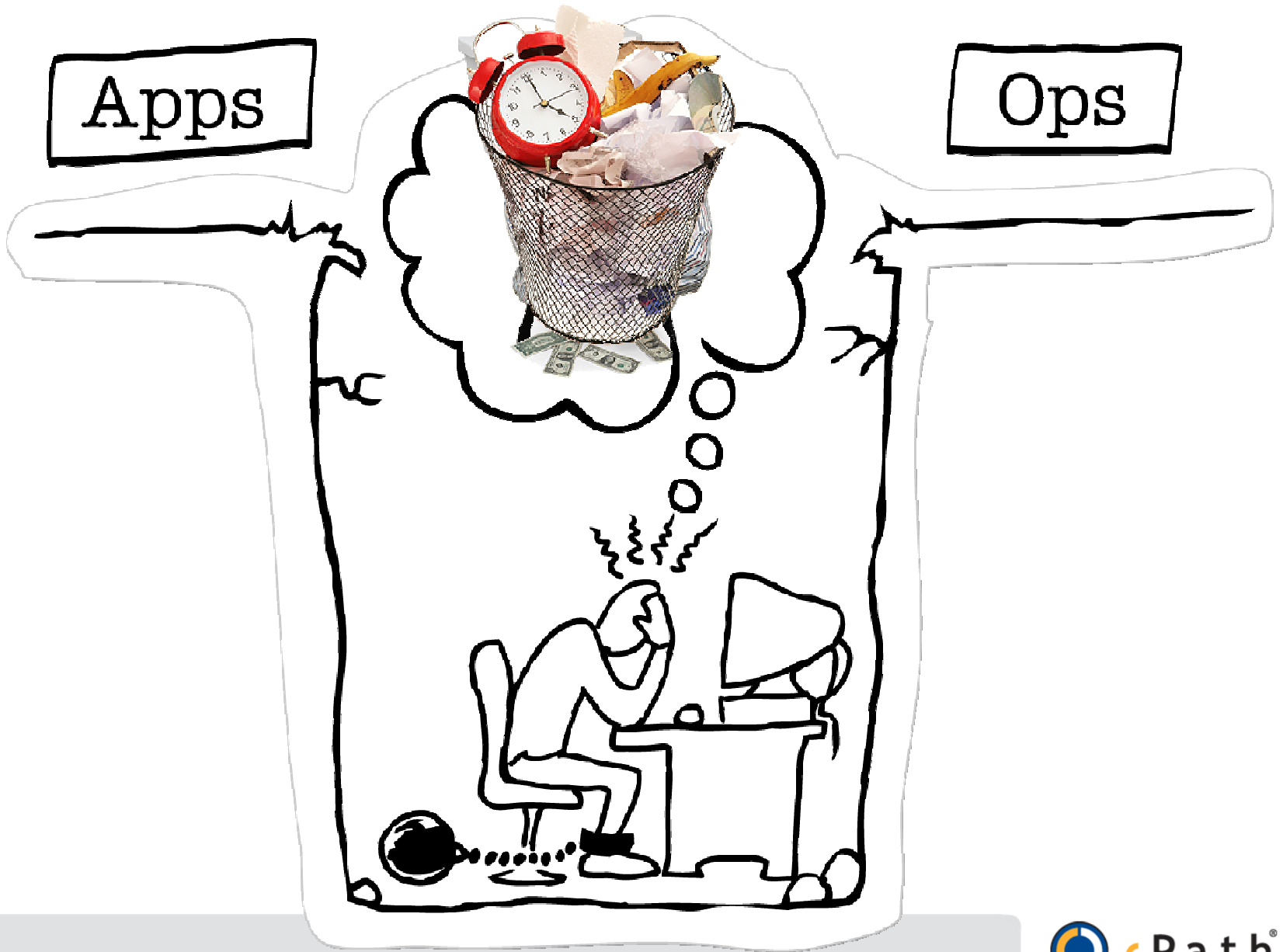
Agility: non-existent

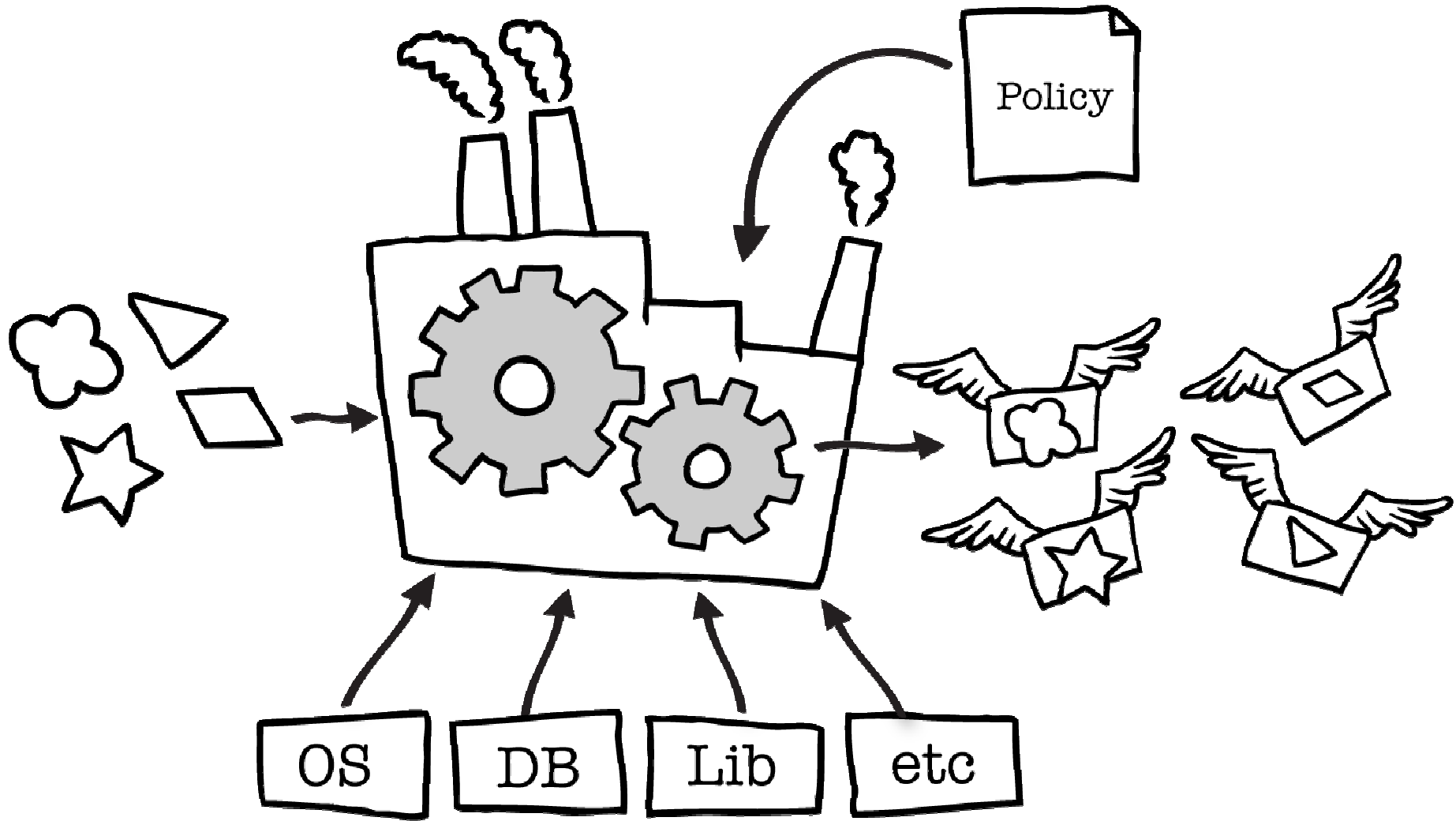


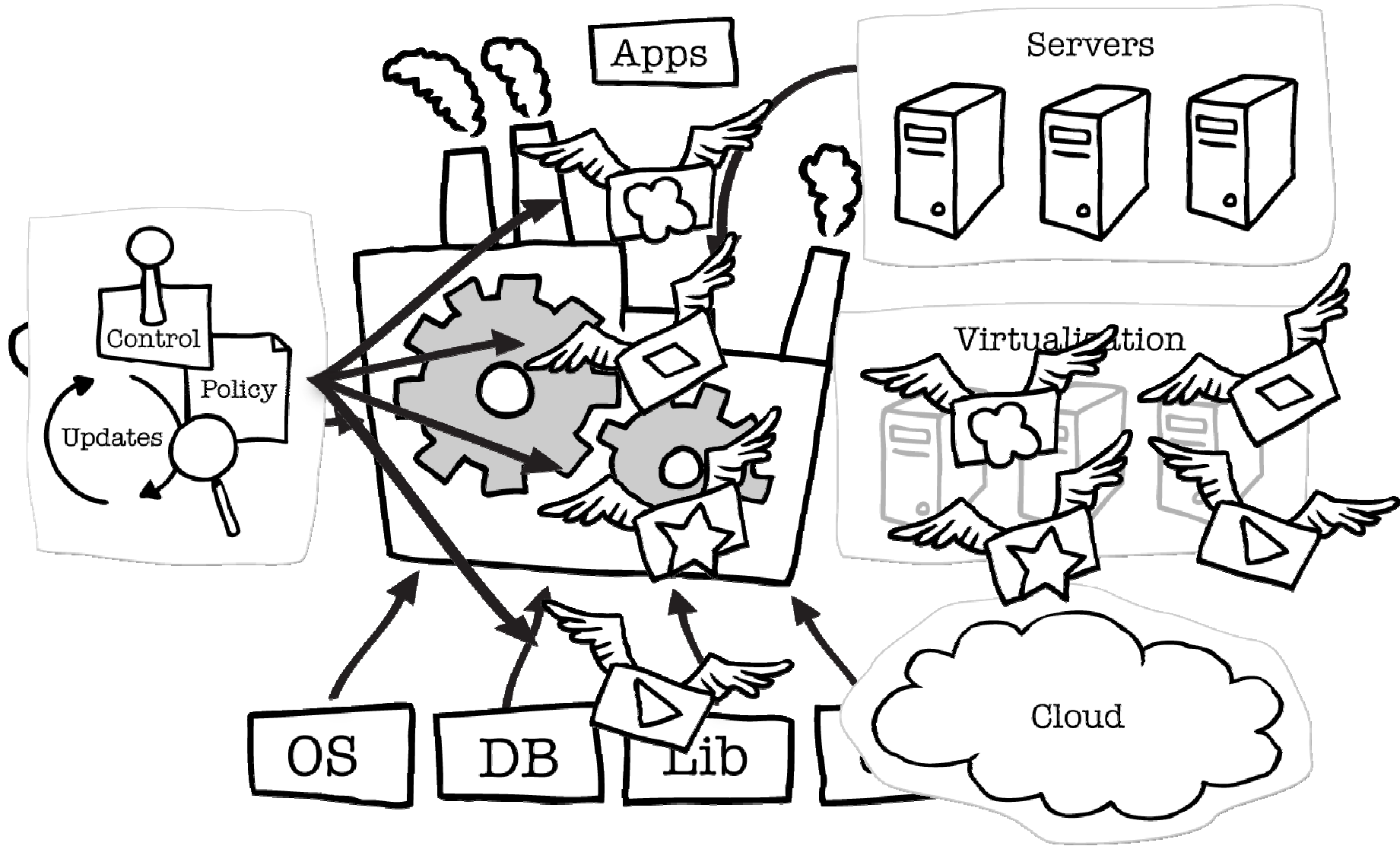
(cribbed from Citrix)

Apps

Ops







ALM

Req | Model | IDE | Build | Test

Automate
Deployment
and Updates

Define and
Enforce
Policies

ESM

Test | Deploy | Monitor | Maintain

Consume Source
or Binaries

Sync with
Management Tools

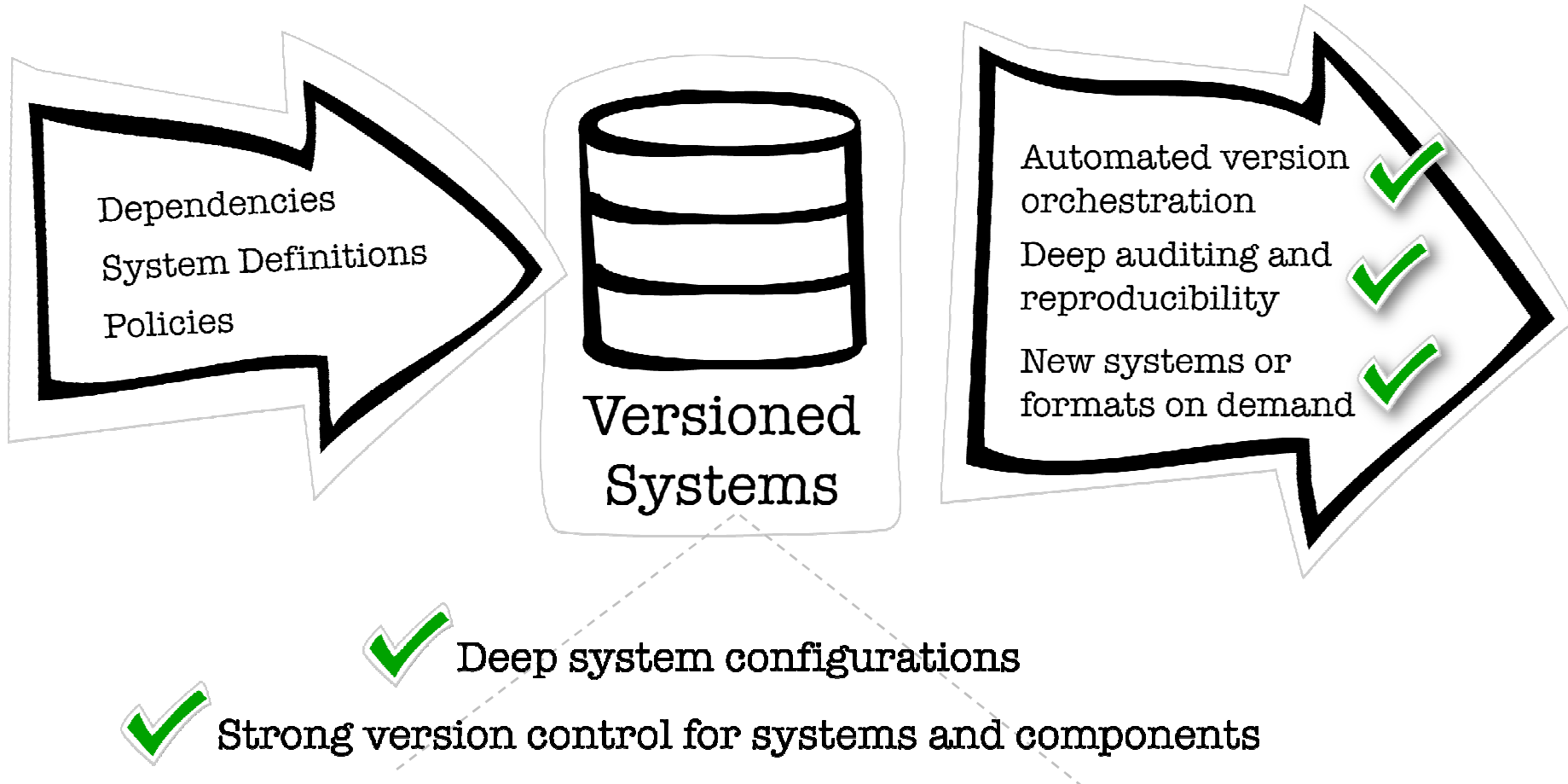
SCM

CMDB

OS and Other
Components

Versioned
Systems

Strong Version Control for Running Systems



The New Model for System Management

FUNCTION <input type="checkbox"/>	OLD	NEW
Dependency Discovery	<input type="checkbox"/> Manual; “tip of the iceberg”	Automated; deep introspection

The New Model for System Management

FUNCTION <input type="checkbox"/>	OLD	NEW
Dependency Discovery	<input type="checkbox"/> Manual; “tip of the iceberg”	Automated; deep introspection
System Configuration	Manual “trial and error”	Automated and controlled

The New Model for System Management

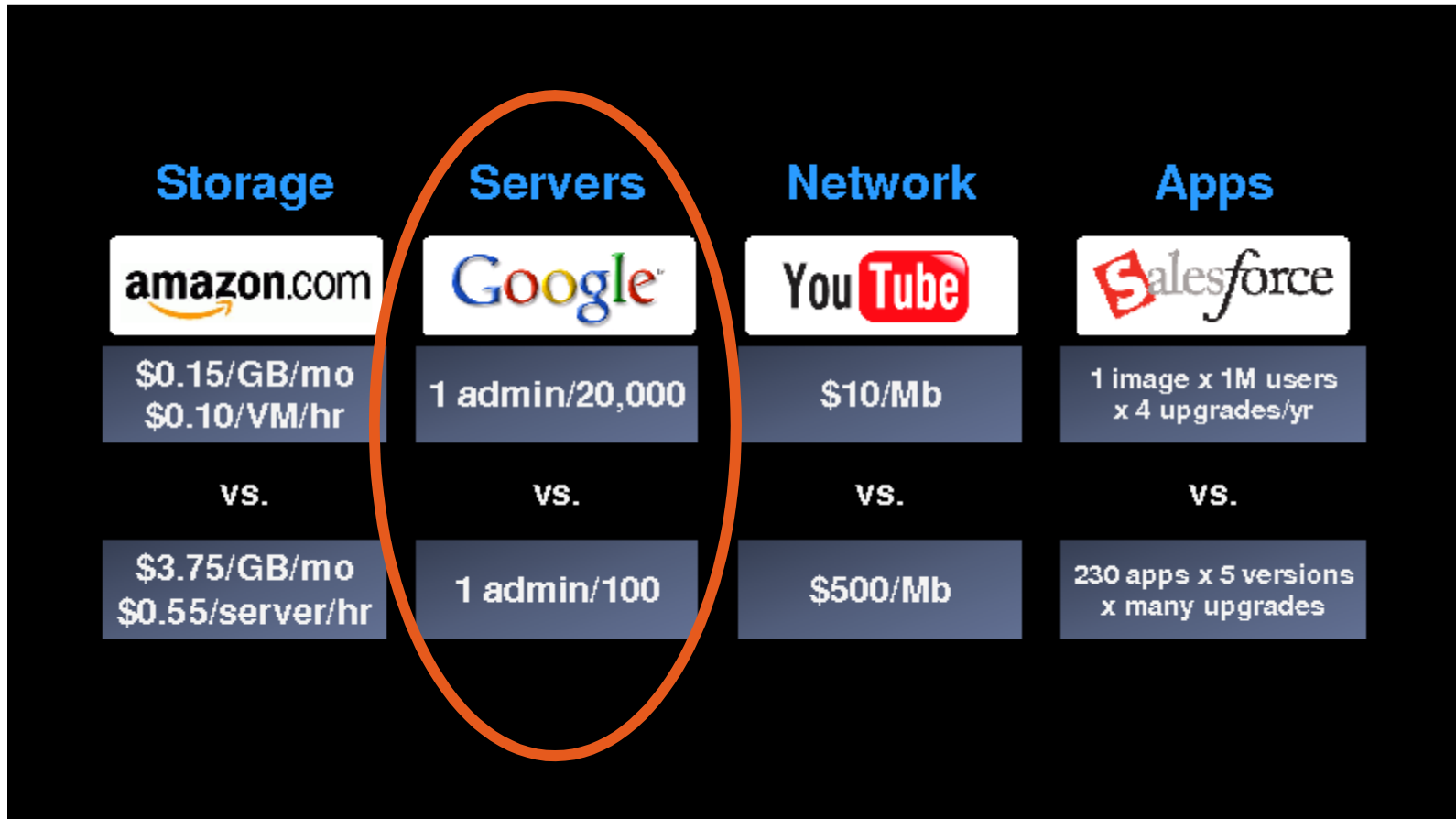
FUNCTION □	OLD	NEW
Dependency Discovery	□ Manual; “tip of the iceberg”	Automated; deep introspection
System Configuration	Manual “trial and error”	Automated and controlled
System Maintenance	Manual “forklift upgrades”; lots of conflicts	Automated; 90% fewer updates

The New Model for System Management

FUNCTION □	OLD	NEW
Dependency Discovery	□ Manual; “tip of the iceberg”	Automated; deep introspection
System Configuration	Manual “trial and error”	Automated and controlled
System Maintenance	Manual “forklift upgrades”; lots of conflicts	Automated; 90% fewer updates
System Portability	Reengineering and/or reconfiguration	Automated based on system definition

The New Model for System Management

FUNCTION <input type="checkbox"/>	OLD	NEW
Dependency Discovery	<input type="checkbox"/> Manual; “tip of the iceberg”	Automated; deep introspection
System Configuration	Manual “trial and error”	Automated and controlled
System Maintenance	Manual “forklift upgrades”; lots of conflicts	Automated; 90% fewer updates
System Portability	Reengineering and/or reconfiguration	Automated based on system definition
System Compliance	Reactive; best efforts	“Correct by construction”



(cribbed from Citrix)

Large Animation Studio



Automated App Delivery

1. Developers have a great deal of control over the languages they use
2. Urgency to deploy applications
3. Rapid/frequent change cycles
4. “Forklift” updates are causing conflicts and inefficiencies
5. Declining IT resources

Result: 100% productivity increase

U.S. Dept. of Energy



Cloud-enabling Applications

1. Computing clusters are 70% idle
2. Scientists wait to deploy on their “home” system because applications are not portable to other ideal systems
3. rPath enables consistency of application implementation so experiments can be consistently repeated in any environment
4. rPath takes the time and cost out of VM creation and maintenance
5. Any scientist, any application, any computer

rPath Reduces Cost, Complexity and Risk

- Automates the creation of ready-to-run systems
- Ready to deploy to hardware, hypervisor or cloud
- Consistency and control of the system lifecycle
- Dynamically portable across any hypervisor/cloud
- Automated delivery of updates and patches
- Multiple Linux platforms (Novell SLES, CentOS, Ubuntu, Scientific Linux [July])

Key Customers



European Organization for Nuclear Research



Partners



Alliance Partner



Set Your Apps Free

