



RED HAT
FORUM
Beijing

21 October 2014

专家之道：加速、集成、自动化

陈明仪
红帽大中华区咨询服务部经理

开源推动的创新

开源项目

集成

社区产品

工程

企业级应用



社区版可以自由下载使用，企业版更加稳定、可靠，更加适合关键应用
企业版以订阅方式为用户提供服务，受Red Hat企业协议保护
“Free as in freedom, not free as in beer” – Richard Stallman

Red Hat 企业级服务体系

产品支持服务 GSS

红帽支持关系经理

红帽全球支持服务
(800、Email...)

红帽客户门户

技术文档
软硬件认证
.....

红帽

订阅

专业咨询服务 GPS

驻场服务

客户专职工程师

全球专家服务

培训认证服务 GLS

Customer Day

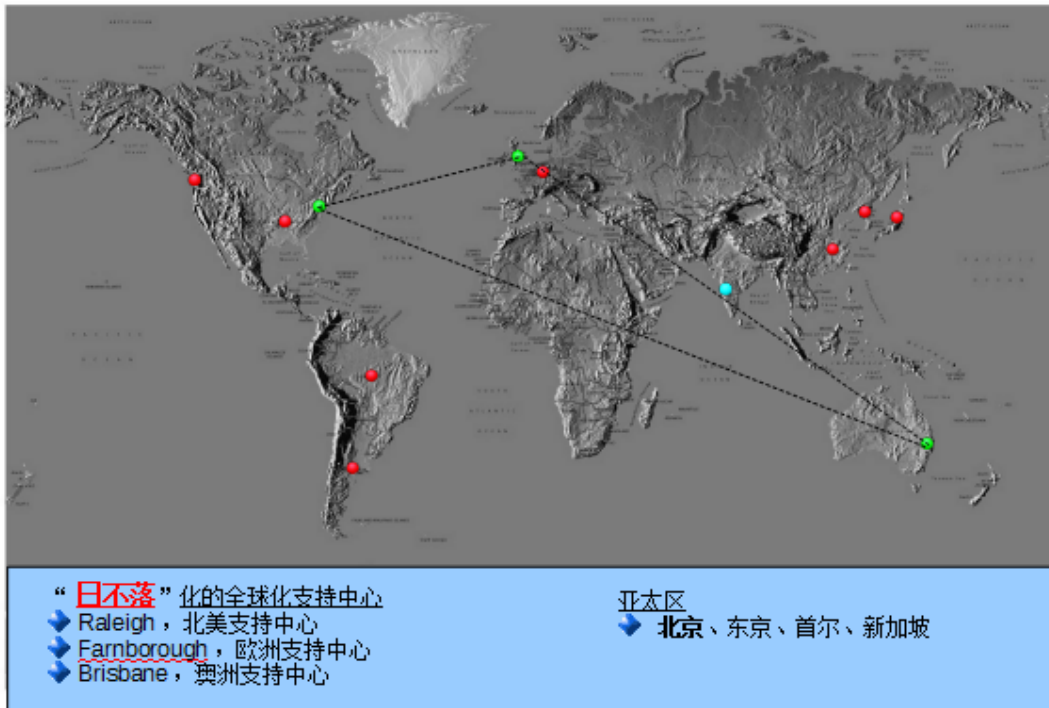
Red Hat定制培训

Red Hat认证培训

全球支持服务（GSS）

通过提供最好的客户体验来体现红帽订阅服务的价值。

共400多名红帽技术专家为客户提供全球化服务



北京支持中心

- 支持大中华区和韩国
- 支持部分日本地区
- 角色:
 - ▶ 技术支持工程师
 - ▶ 高级技术支持工程师
 - ▶ 技术客户经理（TAM）
 - ▶ 支持关系经理（SRM）
 - ▶ 支持专家组（SEG）
 - ▶ 支持质量分析师（SQA）
 - ▶ 软件开发工程师
- 所有人员通过RHCE，多名RHCA

红帽专家服务范畴

- 产品方案服务
- 技术方案服务

技术方案服务

- 行业解决方案
- 应用解决方案

解决方案服务

专家咨询服务

- 合规咨询服务
- 架构/框架设计咨询服务
- 新技术/新产品加速部署服务

到场支持服务

- 现场产品技术服务
- 现场故障排除服务

商业模式服务

帮助您运用开源技术以
创新商业模式。

解决方案服务

提供最新解决方案方案
服务，帮助您快技术创新
业务发展。

项目服务

帮助您加速项目开发与
管理。

技术支持

原厂顾问现场技术支持
服务，让您高枕无忧。

开源顾问服务

- 企业导入开源应用顾问服务
- 智慧开源应用架构顾问服务

解决方案顾问服务

- 智慧互连网应用解决方案服务
- 自动化开发运维解决方案服务
- 企业平台云解决方案服务

产品技术顾问服务

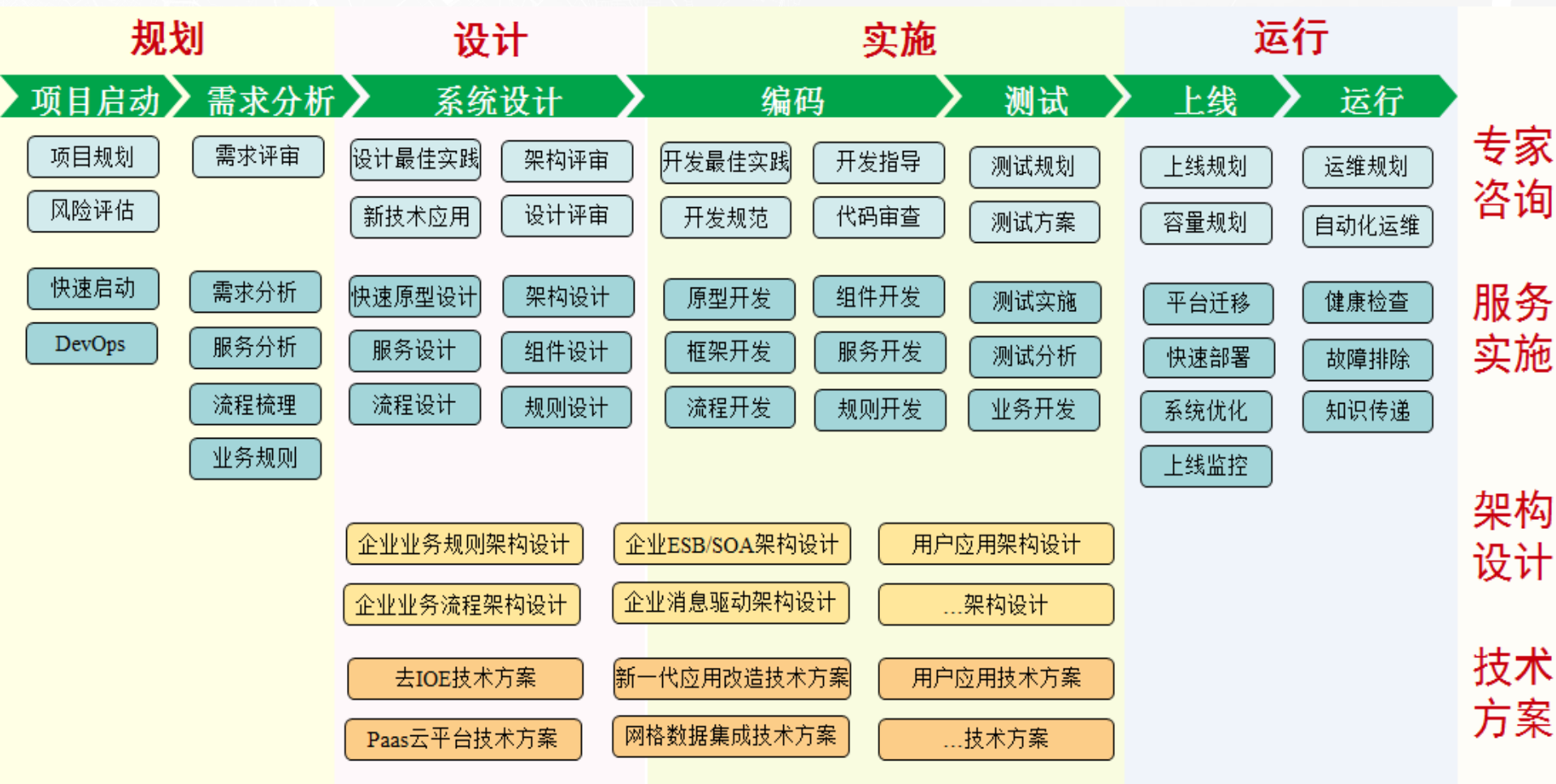
- JBoss 中间件服务
- Fuse 中间件服务
- BPM 中间件服务
- 智慧规则中间件服务
- MQ 中间件服务
- xPaaS 平台云服务

项目技术服务

- JBoss 中间件架构设计服务
- JBoss 中间件最佳设计模式
- JBoss 中间件开发服务
- 现场技术支持服务

GPS全周期咨询服务

Focus



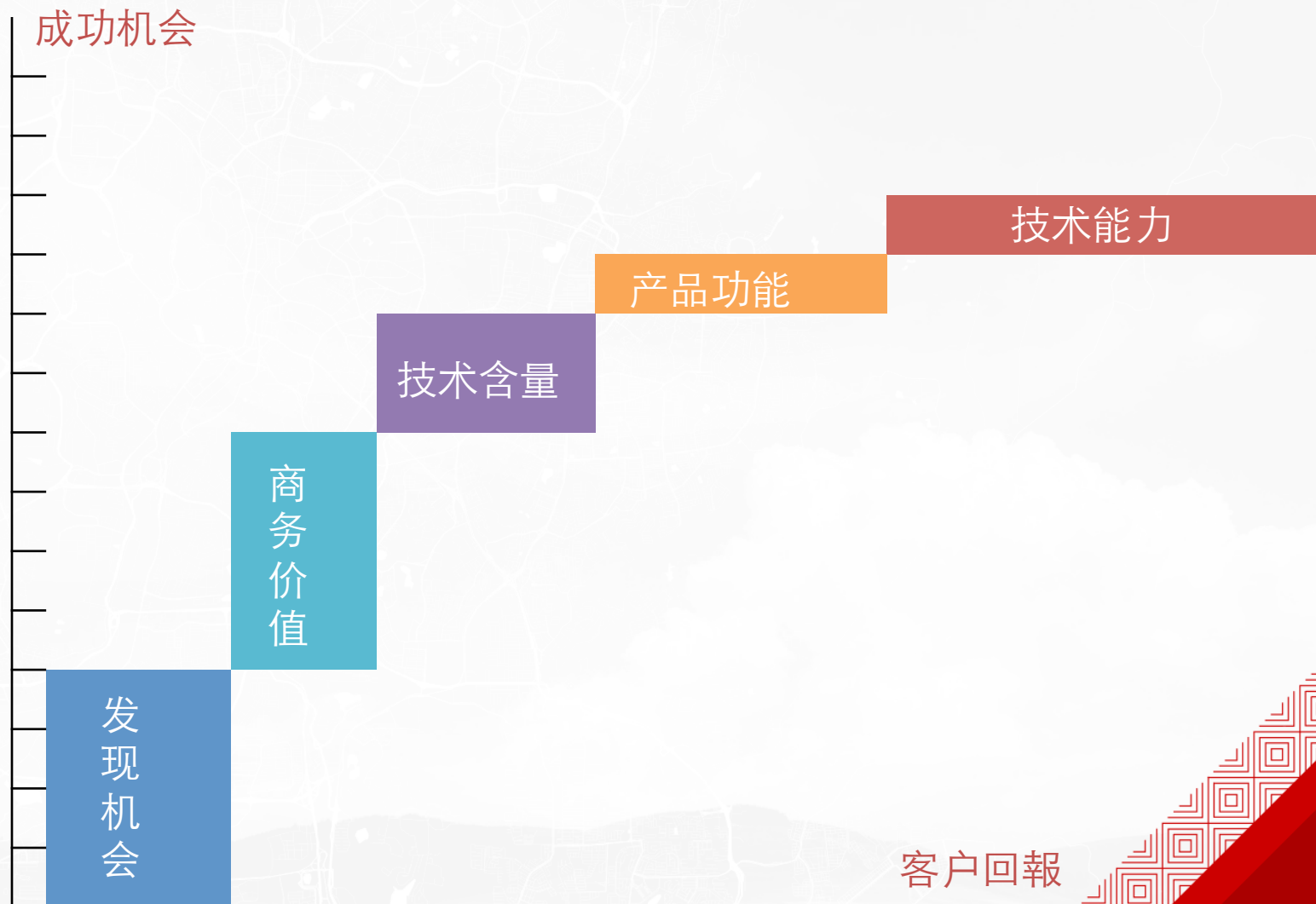
专家
咨询

服务
实施

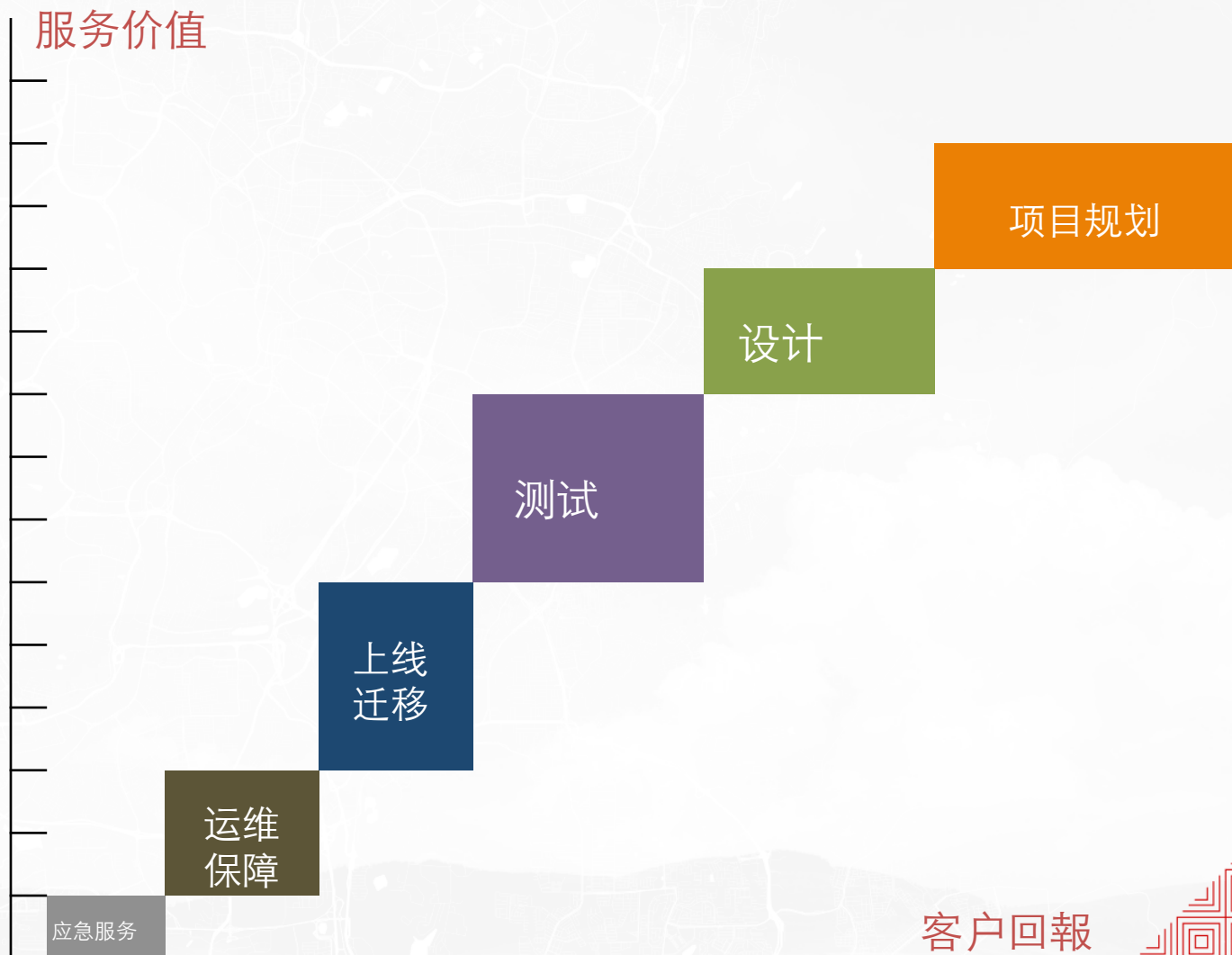
架构
设计

技术
方案

红帽如何帮助客户

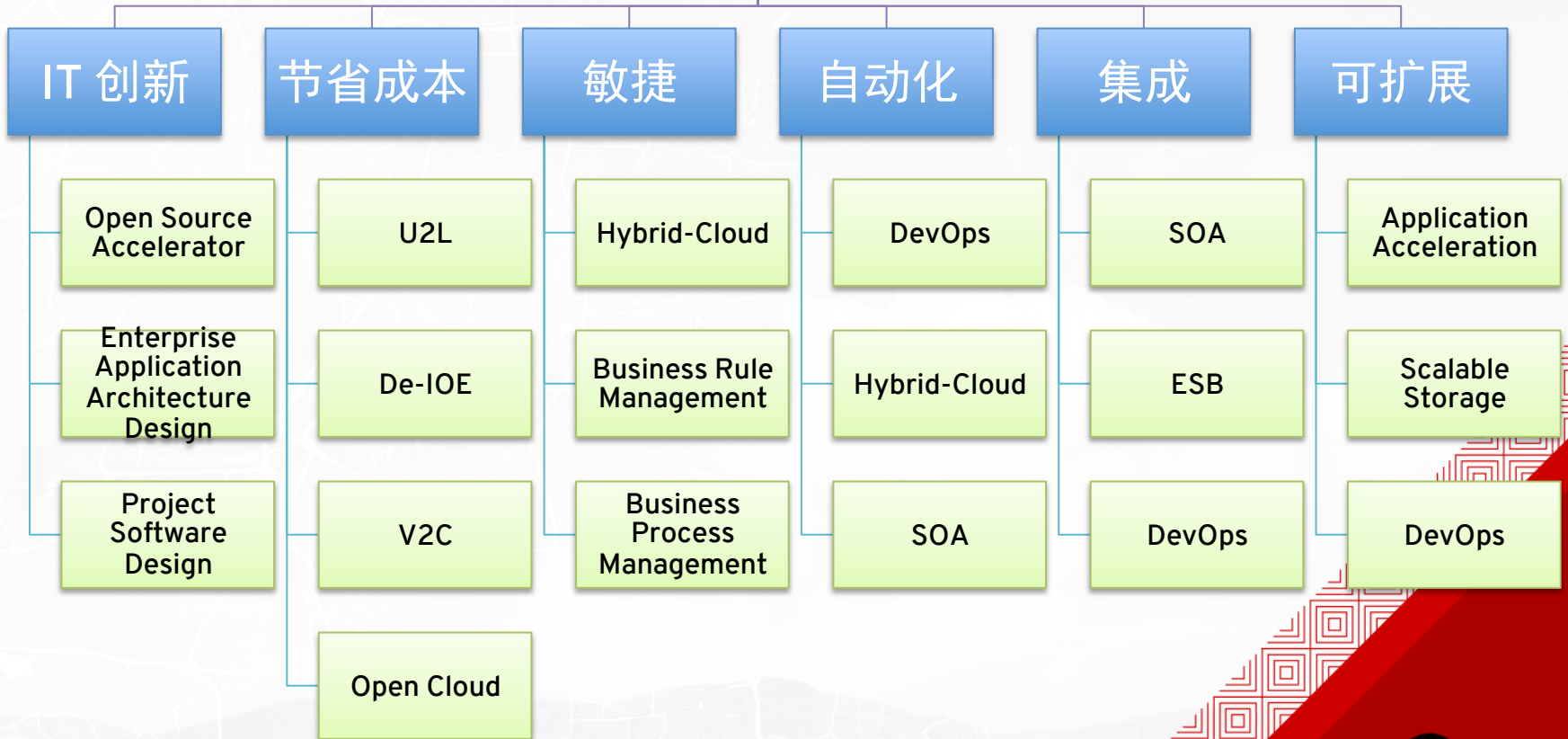


红帽的客户如何使用红帽服务

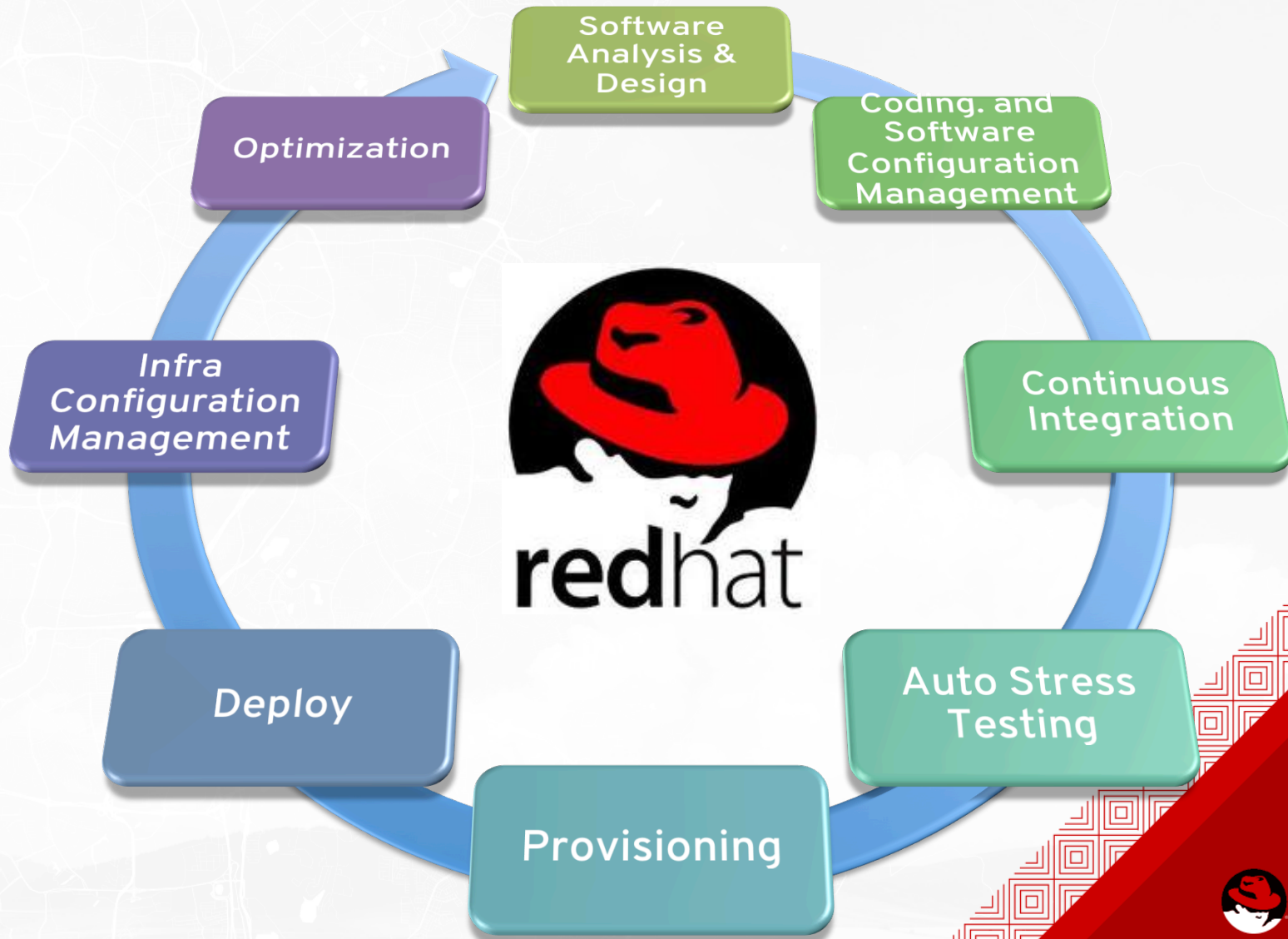


红帽帮助你创新

商务价值

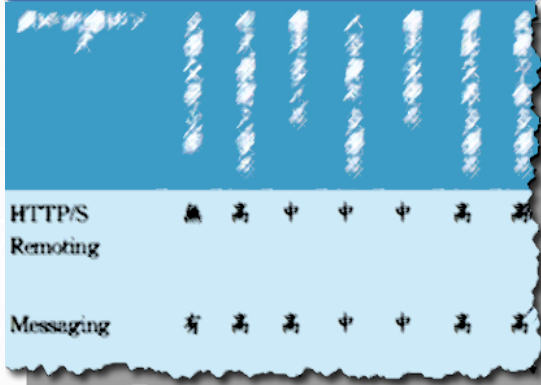


加速、集成、自动化

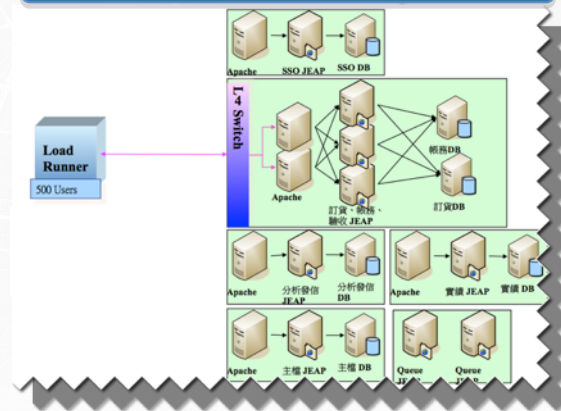


DevOps Services

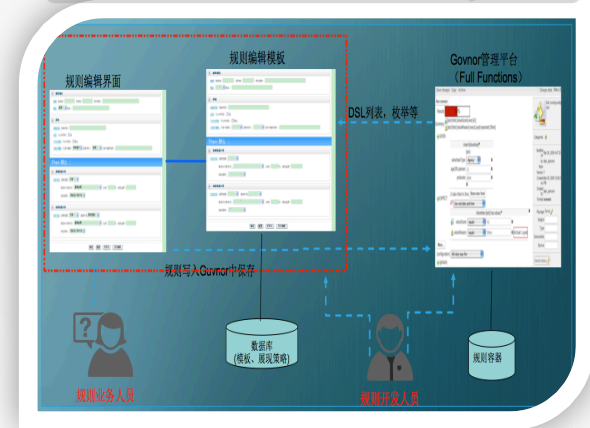
Requirement Analysis



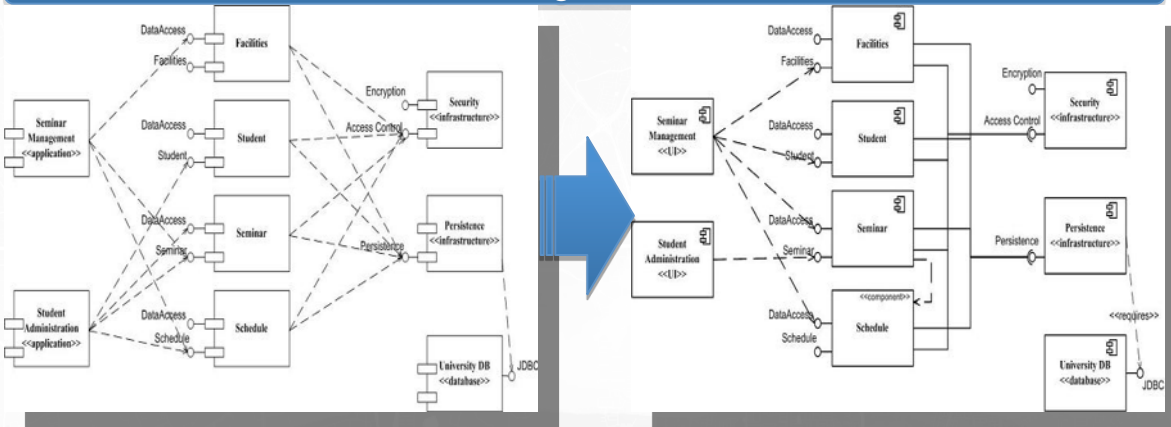
Architecture Analysis



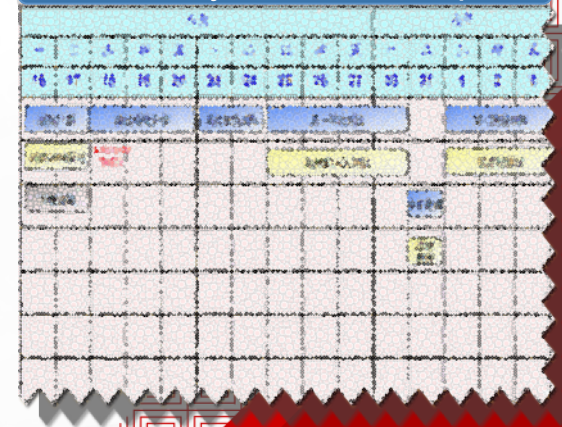
Architecture Design



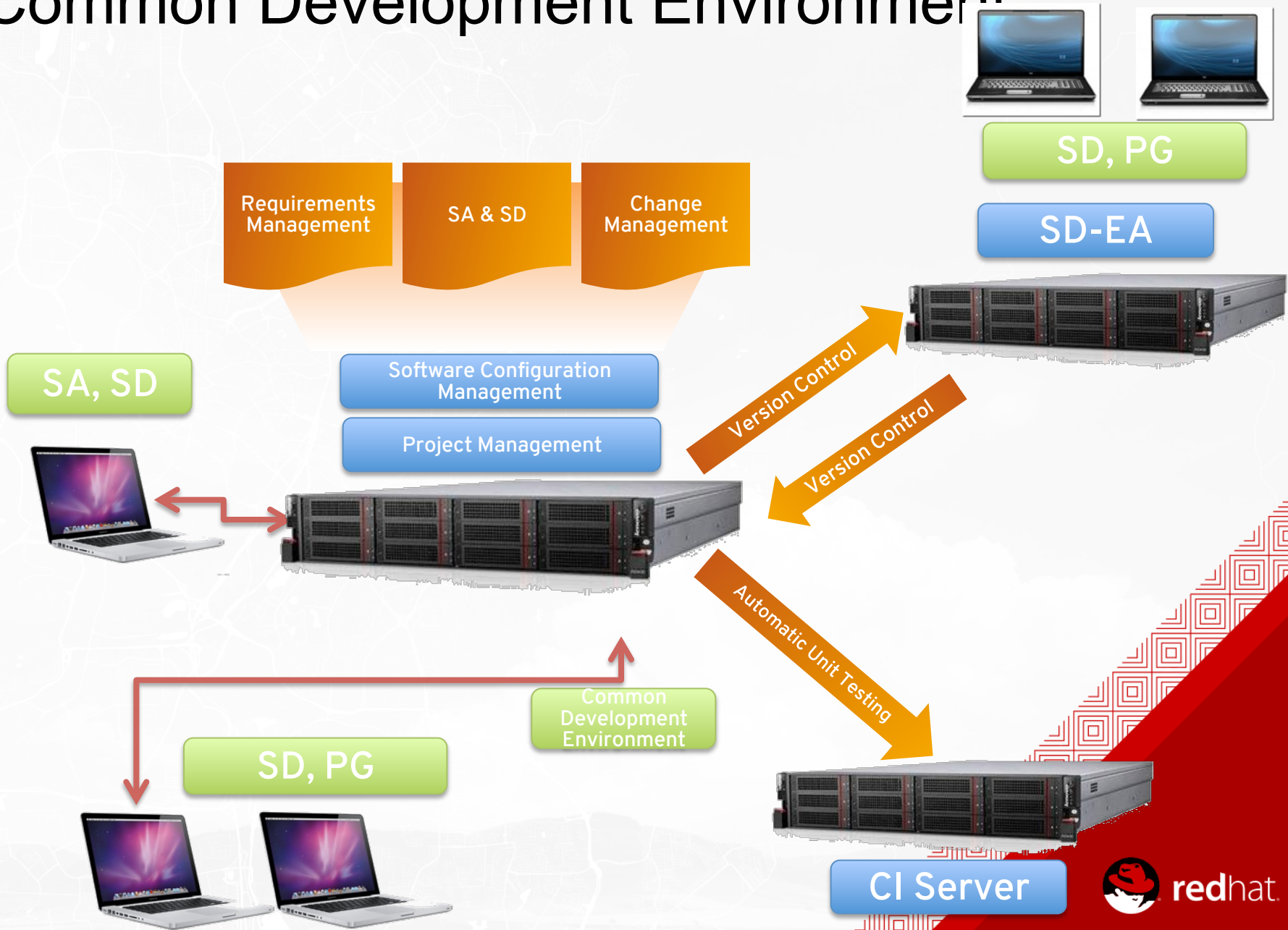
Software Design and Evaluation



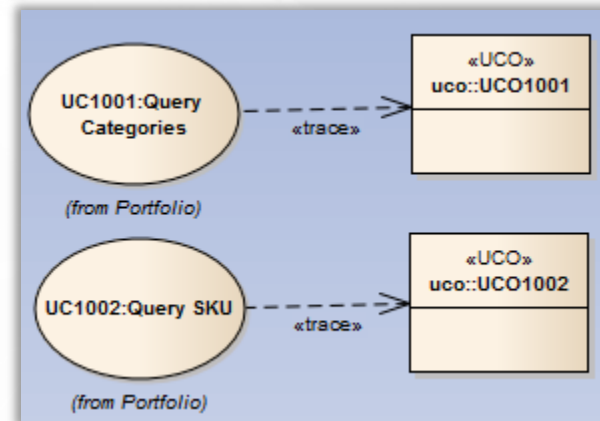
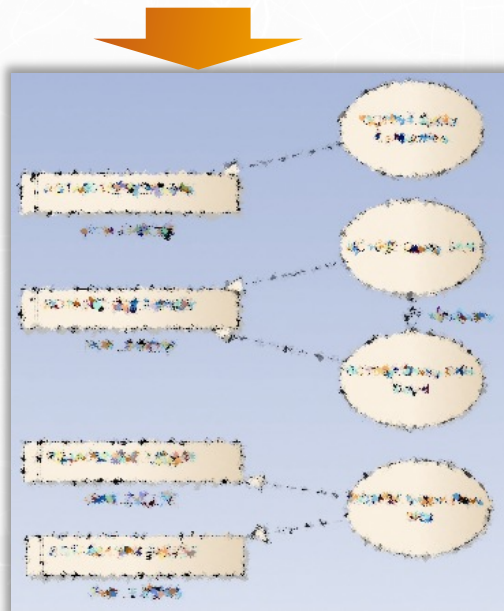
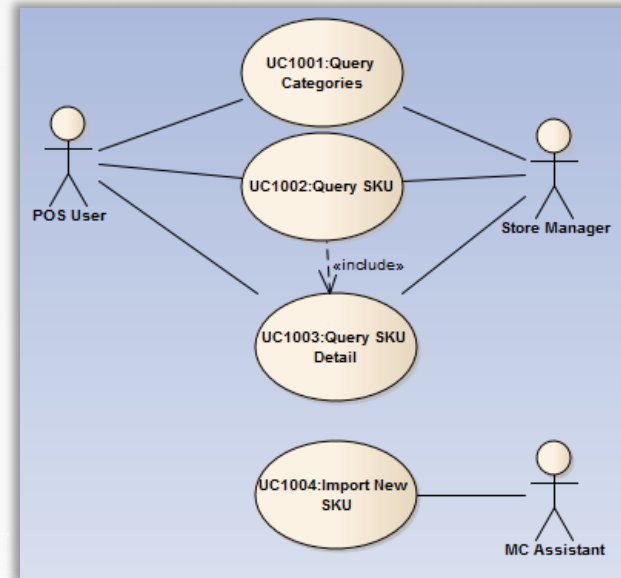
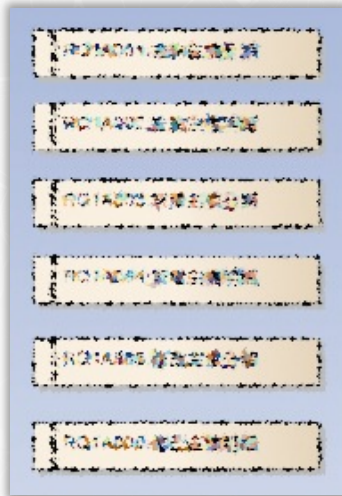
Delivery and Workshop



Common Development Environment⁺

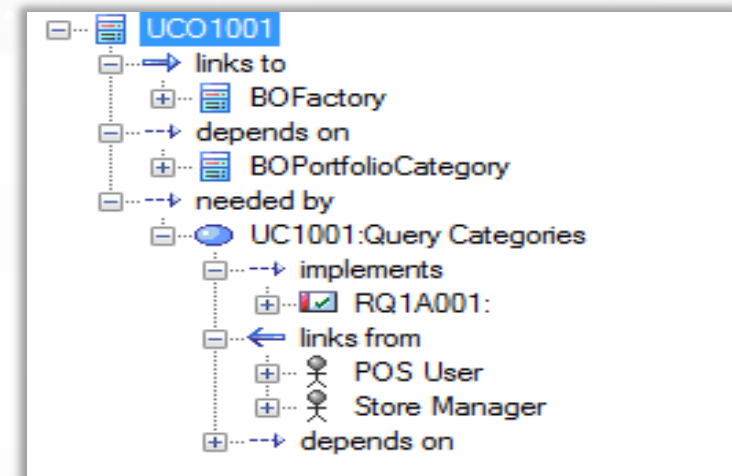
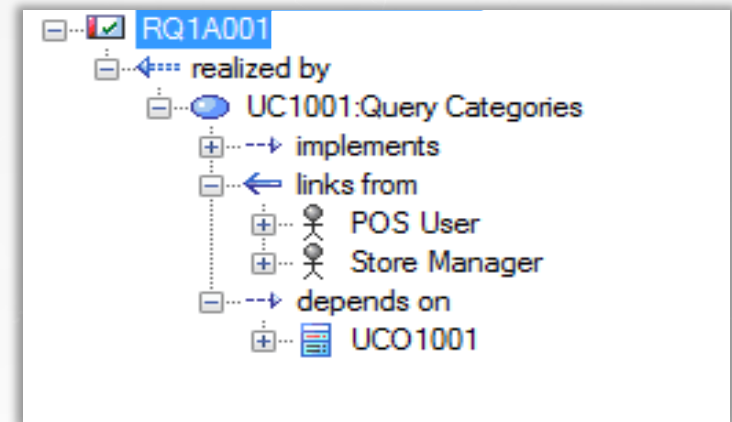


Traceability



Traceability - Result

	::RQ1A006:	::RQ1A005:	::RQ1A004:	::RQ1A003:	::RQ1A002:	::RQ1A001:
Portfolio::UC1004:Import New SKU			↑	↑		
Portfolio::UC1003:Query SKU Detail					↑	
Portfolio::UC1002:Query SKU					↑	
Portfolio::UC1001:Query Categories						↑

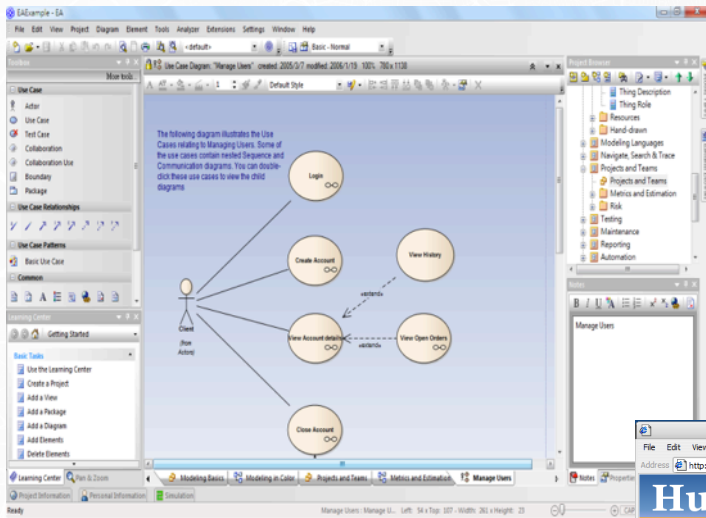


DevOps 开发环境

IaaS + PaaS

集成 UML Design, Defect Tracking, Programming, Automatic Testing

自动化环境部署



The screenshot shows the Eclipse IDE with a bug tracking window open. The bug is titled 'Bug 187880' and is described as 'Don't open a dialog when Mylar starts for the first time... Eclipse SDK'. The bug is assigned to 'mikekersten@redhat.com' and is in the 'NEW' state. The bug description includes a list of attachments and a description of the issue.

The screenshot shows the Hudson CI/CD server interface. The main table lists the status of various jobs:

Job	Last Success	Last Failure	Last Duration
Common annotations	4 days (#16)	9 months (#3)	39 seconds
bab	6 months (#31)	10 months (#2)	59 seconds
ddd-parser	6 months (#8)	N/A	1 minute
fi	28 days (#385)	1 month (#367)	7 minutes
fi (weekly)	6 days (#53)	13 days (#52)	5 minutes
glassfish	4 hours (#104)	1 day (#88)	1 hour
hudson	4 minutes (#201)	N/A	1 minute
istack-commons	12 days (#12)	16 days (#53)	14 seconds
japex	3 days (#55)	9 hours (#64)	1 minute
java-ws-xml community discussion.updater	4 minutes (#16146)	10 hours (#16125)	1 minute
java.net.ad.processor	18 hours (#162)	N/A	0 seconds



自动化产生测试报告

FindBugs Result

Warnings Trend

All Warnings	New Warnings	Fixed Warnings
48	3	3

Summary

Total	High Priority	Normal Priority	Low Priority
48	6	28	14

Details

Files Types Warnings Details New Fixed High Normal Low

File	Total	Distribution
CryptographicUtil.java	6	
CryptographicUtilTest.java	10	
SGMLUtil.java	25	
SGMLUtilTest.java	2	
StringHelper.java	3	
StringHelperTest.java	2	

Unit Test Results

Designed for use with [JUnit](#) and [Ant](#).

Summary

Tests	Failures	Errors	Success rate	Time
3	1	0	66.67%	2.328

Note: failures are anticipated and checked for with assertions while errors are unanticipated.

Packages

Note: package statistics are not computed recursively, they only sum up all of its testsuites numbers.

Name	Tests	Errors	Failures	Time(s)
	3	0	1	2.328

Package

Name	Tests	Errors	Failures	Time(s)
SearchManagerTest	3	0	1	2.328

TestCase SearchManagerTest

Name	Status	Type	Time(s)
testContentRemoved	Success		0.156
testContentAdded	Success		0.219
testSearch	Error	Results should not be null, was null	0.172

Back to top

Clover Coverage Report

Dashboard
Coverage Reports
Coverage (Aggregate)
Test Code (Aggregate)
Test Results

Application Packages

com.jcastling.wiki (0%)
com.jcastling.wiki.book (0%)
org.weceem.blog (70.6%)
org.weceem.content (87.6%)
org.weceem.controllers (71.4%)
org.weceem.css (71.4%)
org.weceem.event (-)
org.weceem.export (68.6%)
org.weceem.files (29.5%)
org.weceem.html (87%)
org.weceem.jobs (8.3%)
org.weceem.js (69.2%)
org.weceem.security (88.3%)

Classes Tests Results

Class	Coverage
AccessDeniedException	(0%)
AdminTagLib	(100%)
Blog	(96.7%)
BlogEntry	(72.2%)
CacheService	(18%)
CacheTagLib	(11.6%)
Comment	(80%)
ContentSpaceImporter	(79.2%)
Content	(94%)
ContentController	(71.2%)
ContentDirectory	(37.9%)
ContentFile	(24.8%)
ContentRepositoryService	(146.2%)
ContentVersion	(100%)
ContentResourceService	(0%)
DefaultSpaceExporter	(0%)
DefaultSpaceImporter	(0%)
DiffUtils	(69.2%)
DomainConverter	(0%)
EditorController	(19.7%)
EditorFieldTagLib	(27.4%)
EditorService	(89.4%)
EditorsBuilder	(100%)
ExportService	(100%)
ExternalLink	(54.2%)
ExternalLinkLib	(8.2%)
Folder	(100%)
HTMLContent	(0%)
ImportException	(0%)
ImportExportConverter	(52.9%)
ImportExportService	(64.9%)
JavaScript	(69.2%)
ParagraphBlock	(0%)
ParagraphController	(54.5%)
ResourceContent	(23%)
RepositoryController	(13.6%)
SACContentImporter	(87.6%)
SecurityPermissionsBuilder	(93.2%)
SecurityPolicyBuilder	(100%)

Clover Coverage Report -

Coverage Summary: Mon Feb 15 2010 15:29:05 EST

Package File

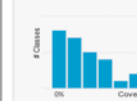
FRAMES NO FRAMES SHOW HELP

Coverage

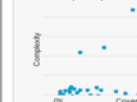
61 classes, 1,919 / 4,554 statements

42.1%

Class Coverage Distribution



Class Complexity



Most Complex Packages

- 52.1% org.weceem.services (560)
- 11.4% org.weceem.controllers (424)
- 25.2% org.weceem.tags (242)
- 68.5% org.weceem.export (195)
- 87.6% org.weceem.content (101)

Most Complex Classes

- 48.3% com.contentRepositoryService (444)
- 29.5% weceem.TagLib (251)
- 13.6% RepositoryController (228)
- 94% Content (59)
- 79.2% SimpleSpaceImporter (34)

Statistics for project Clover database Mon Feb 15 2010 15:28:46 EST:

Stmts: 2,700 LOC: 7,139 Total crm: 1,674 Stmt/Method: 5.29

Branches: 1,344 MLOC: 74 Crm density: 0.69 Methods/Class: 8.36

Methods: 910 Files: 60 Avg method crm: 3.67 Classes/Pkg: 3.59

Classes: 61 Packages: 17

Test Results

58 / 58 tests 8.86 secs

Top 20 Project Ranks

DiffUtils WidgeeTagLib ParagraphBlock ContentController SynchronizationController RepositoryController DefaultSpaceExporter VersionController CacheTagLib ContentRepositoryService ContentDirectory WikiItemRenderController WeceemTagLib EditorController DefaultSpaceImporter SpaceController ContentFile DomainConverter CacheService WeceemEvent

Coverage Tree Map



Least Tested Methods

- 0% ContentController.field.show() (42)
- 0% weceem.TagLib.field.menu() (40)
- 0% ContentRepositoryService.createContentFile() : def (31)
- 0% RepositoryController.field.wantsRequest() (31)
- 0% WidgeeTagLib.field.wants() (29)
- 0% DefaultSpaceExporter.executeSpace() : File (7)
- 0% ContentRepositoryService.updateResourceContent() : def (25)
- 0% RepositoryController.field.beforeRender() (19)
- 0% DiffUtils.diffString() : def (15)
- 0% SynchronizationController.link.ContentFile() (13)
- 0% ContentDirectory.deleteContent() : Boolean (17)
- 0% SynchronizationController.field.deleteContent() (13)
- 0% DiffUtils.diff() : def (11)
- 0% ContentRepositoryService.synchronizeSpace() : def (13)
- 0% weceem.TagLib.field.executeString() (12)
- 0% RepositoryController.field.uploadFile() (15)
- 0% CacheTagLib.field.cache() (13)
- 0% CacheService.getHTML() : def [boolean, def, def] : def (13)
- 0% weceem.TagLib.field.humanDate() (11)
- 0% weceem.TagLib.field.breakdown() (11)

Packages

- All
- net.sourceforge.cobertura.ant
- net.sourceforge.cobertura.check
- net.sourceforge.cobertura.coveragedata
- net.sourceforge.cobertura.instrument
- net.sourceforge.cobertura.merge
- net.sourceforge.cobertura.reporting
- net.sourceforge.cobertura.reporting.html
- net.sourceforge.cobertura.reporting.html.files
- net.sourceforge.cobertura.reporting.xml
- net.sourceforge.cobertura.utl
- someotherpackage

All Packages

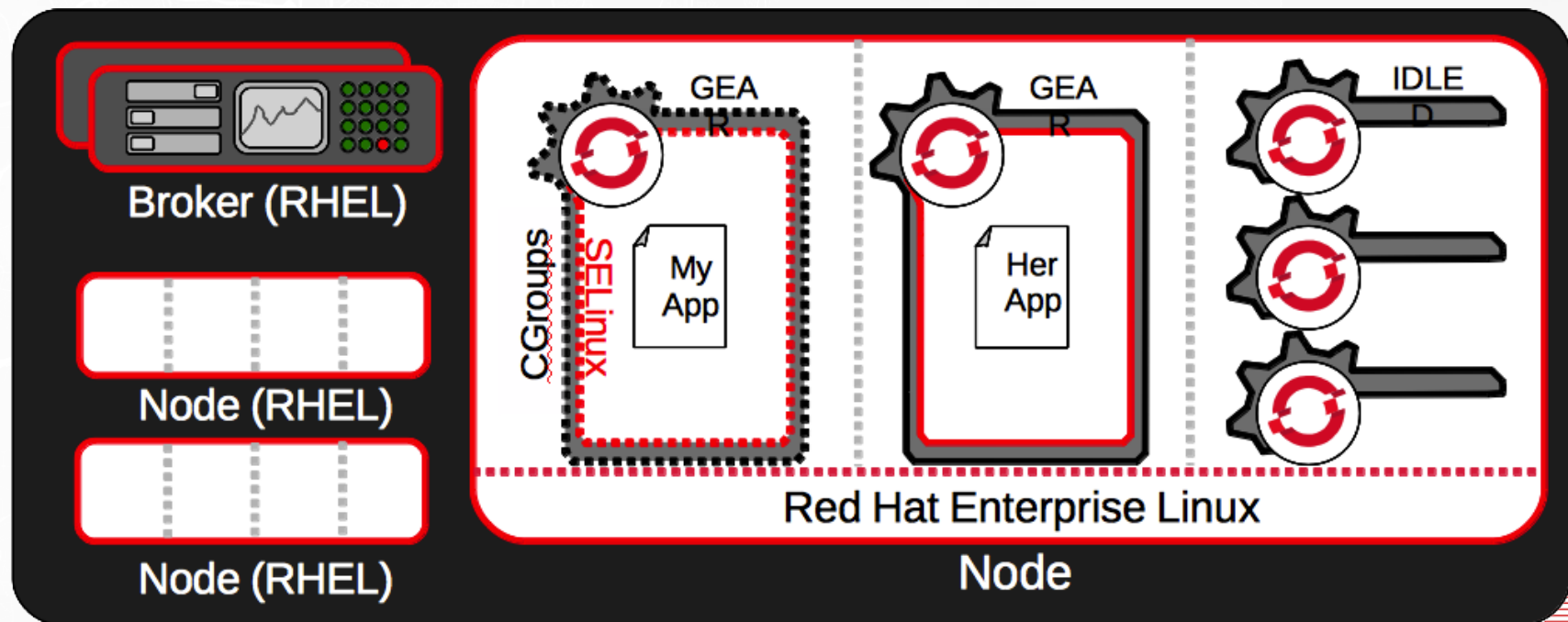
- AntUtil (88%)
- Archive (100%)
- ArchiveUtil (80%)
- BranchCoverageData (N/A)
- CheckTask (0%)
- ClassData (N/A)
- ClassInstrumenter (94%)
- ClassPattern (100%)
- CoberturaFile (72%)
- CommandLineBuilder (96%)
- CommonMatchTask (88%)
- ComplexityCalculator (100%)
- ConfigurationUtil (50%)
- CopyFiles (87%)
- CoverageData (N/A)
- CoverageDataContainer (N/A)
- CoverageDataFileHandler (N/A)
- CoverageRate (0%)
- ExcludeClasses (100%)

Coverage Report - All Packages

Package /	# Classes	Line Coverage	Branch Coverage	Complexity
All Packages	55	75% 1625/2179	64% 472/738	2,319
net.sourceforge.cobertura.ant	11	52% 170/330	43% 40/94	1,848
net.sourceforge.cobertura.check	3	0/150	0/76	2,429
net.sourceforge.cobertura.coveragedata	13	N/A	N/A	2,277
net.sourceforge.cobertura.instrument	10	90% 460/510	75% 123/164	1,854
net.sourceforge.cobertura.merge	1	85% 30/35	88% 14/16	5.5
net.sourceforge.cobertura.reporting	3	87% 116/134	80% 43/54	2,882
net.sourceforge.cobertura.reporting.html	4	91% 475/523	77% 156/202	4,444
net.sourceforge.cobertura.reporting.html.files	1	87% 39/45	62% 5/8	4.5
net.sourceforge.cobertura.reporting.xml	1	100%	95%	1,524
net.sourceforge.cobertura.utl	9	60% 175/291	69% 70/102	2,892
someotherpackage	1	83% 5/6	N/A	1.2

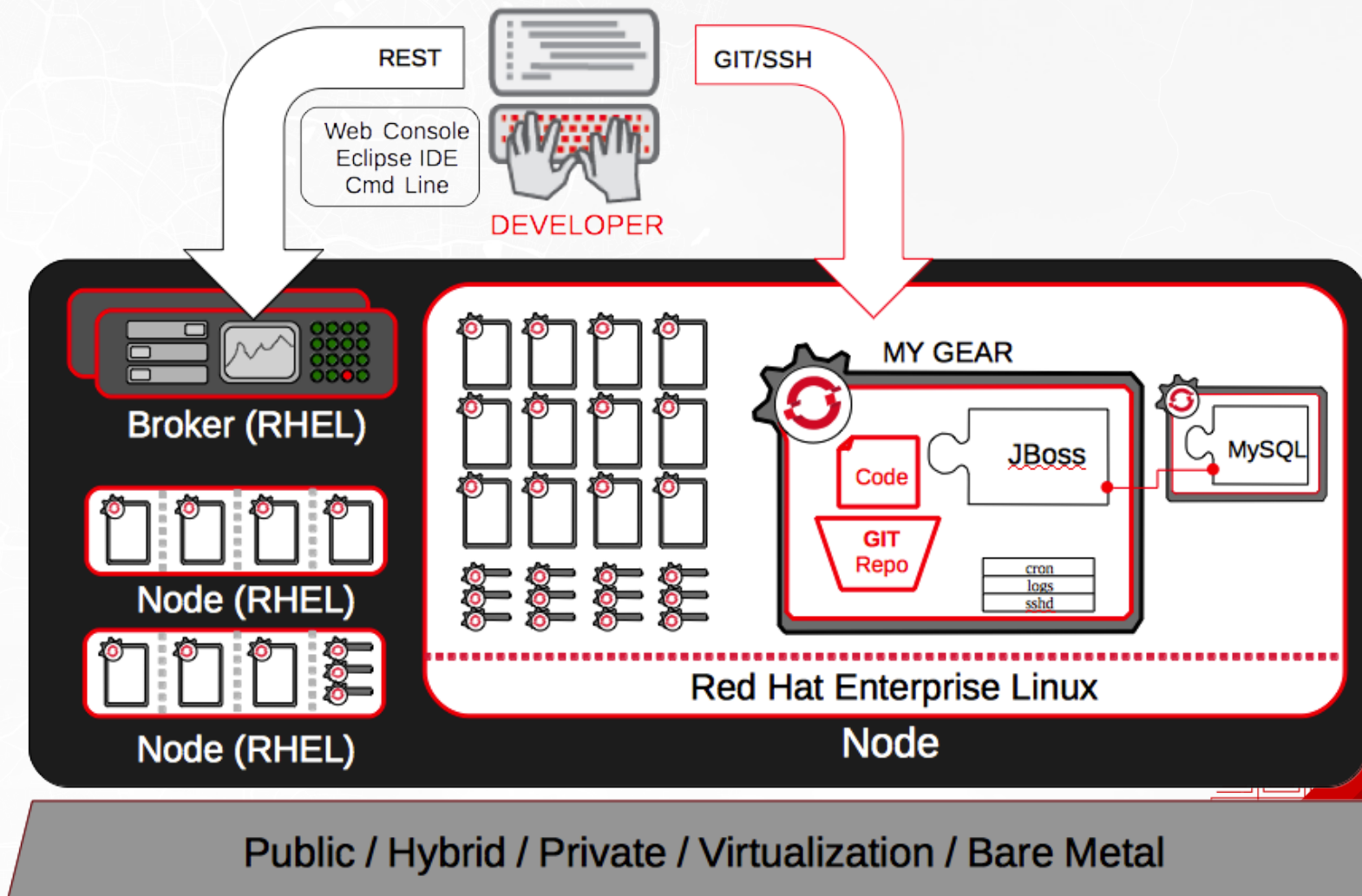
Report generated by Cobertura 1.9 on 6/9/07 12:37 AM.

红帽 xPaaS 帮助你一键佈署

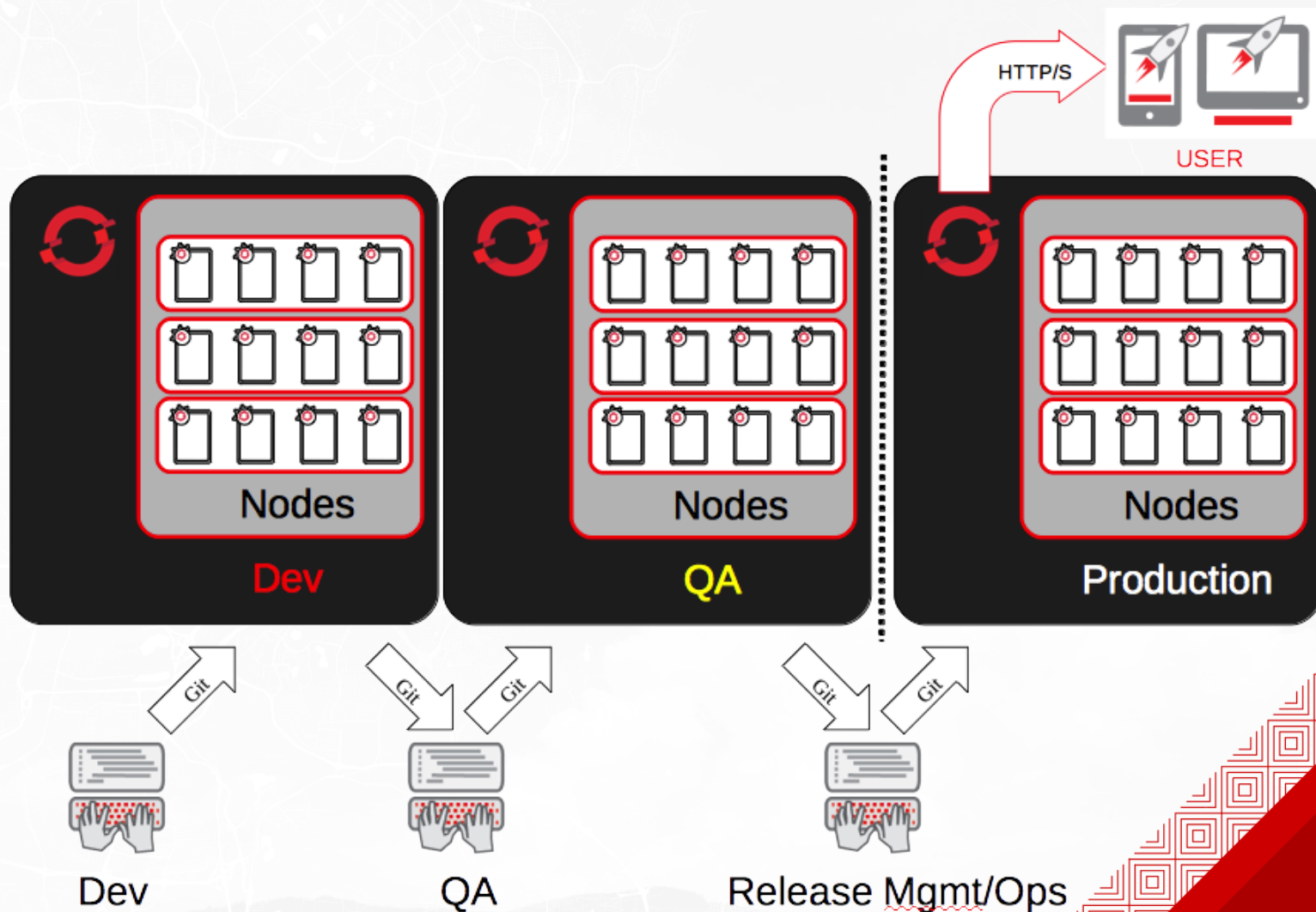


Public / Hybrid / Private / Virtualization / Bare Metal

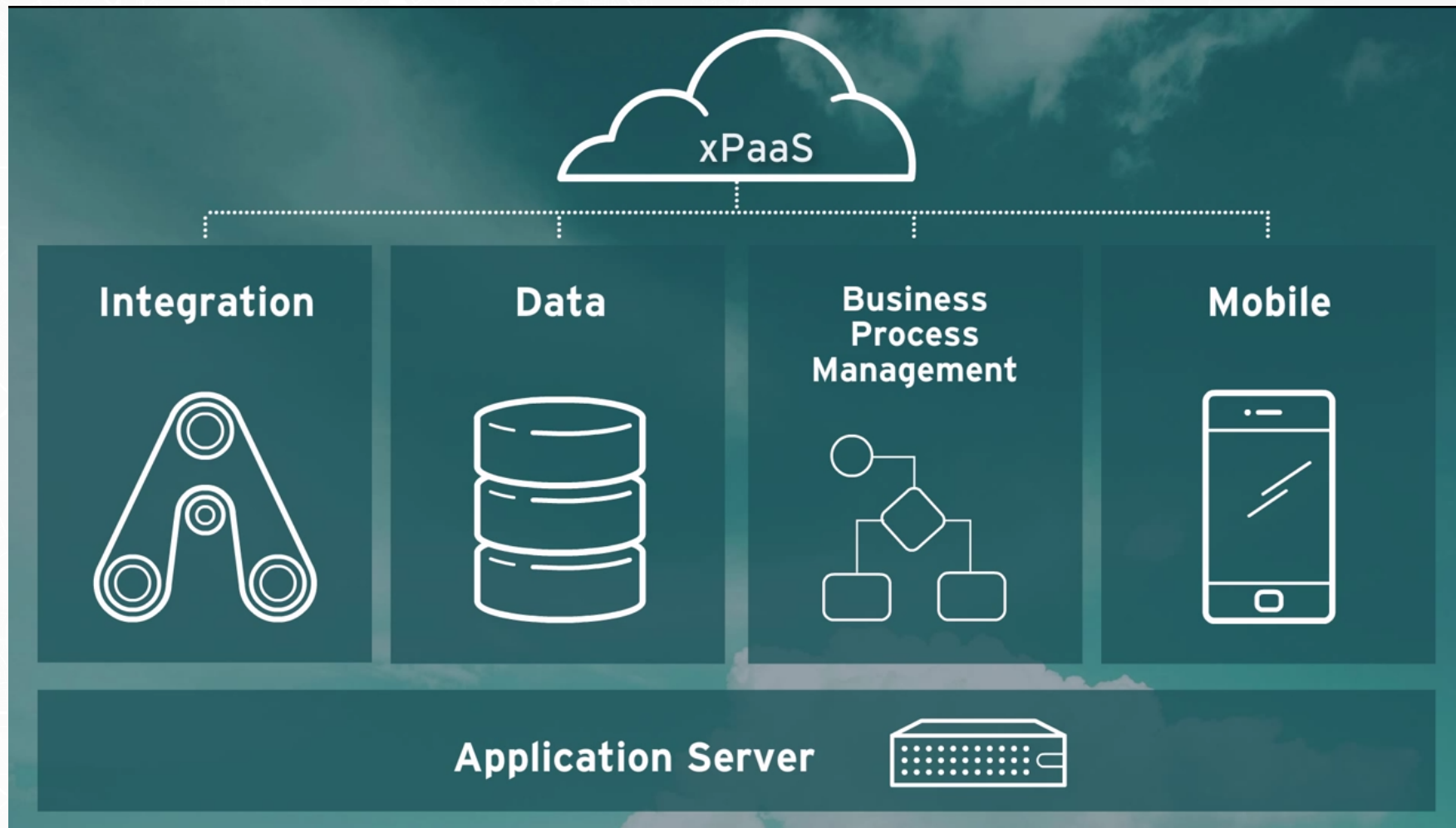
红帽 xPaaS 让你轻松部署你的应用



红帽 xPaaS 企业级解决方案



红帽 xPaaS 是您企业创新的好选择



红帽全球培训服务(GLS)

架构师-(RHCA)

Linux技术专家 - 在各种环境下设计，部署和管理Linux系统.

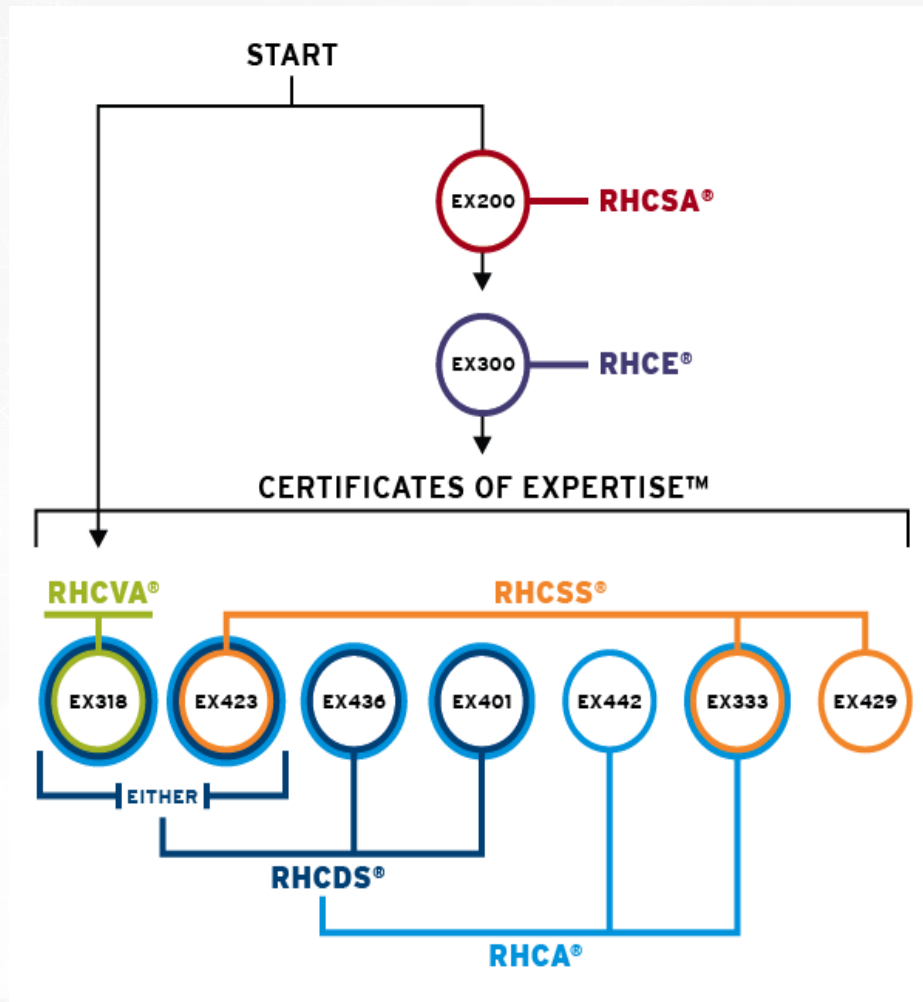
安全专家-(RHCSS)

高级安全认证-配置RHEL和红帽目录服务器来满足当前企业的安全需要

工程师-(RHCE)

2006年被评为最有价值的培训，面向Linux系统管理员

设置和配置Linux服务器，网络服务，网络安全，诊断和故障排除



红帽中间件培训课程

Red Hat JBoss 中间件

加速

Red Hat JBoss Enterprise Application Administration

Red Hat JBoss Enterprise Application Administration II

Monitoring with Red Hat JBoss Operations Network

Systems Management with Red Hat JBoss Operations Network

Red Hat JBoss Enterprise Application Development

Red Hat JBoss Enterprise Application Development II

Red Hat JBoss Development Persistence with Hibernate*

集成

Enterprise Services Business Development with Red Hat JBoss Fuse

Camel Development with Red Hat JBoss Fuse

Switchyard Development with Red Hat JBoss Fuse Service Works

Red Hat JBoss Fuse with Red Hat JBoss A-MQ and Camel

自动化

Developing Rules Applications with Red Hat JBoss BRMS

Authoring Rules with Red Hat JBoss BRMS

Implementing Red Hat JBoss BRMS

Developing workflow Applications with Red Hat JBoss BPM Suite

数据虚拟化

Red Hat JBoss Data Services Administrator*

THANK YOU