



爱开发 重创新 更智慧

Innovate2011

IBM Rational 软件创新论坛



Software. Everywhere.



IBM Rational Jazz Foundation: 协作式应用生命周期管理系统平台

Jared Burns

Jazz Foundation Process 部件开发主管



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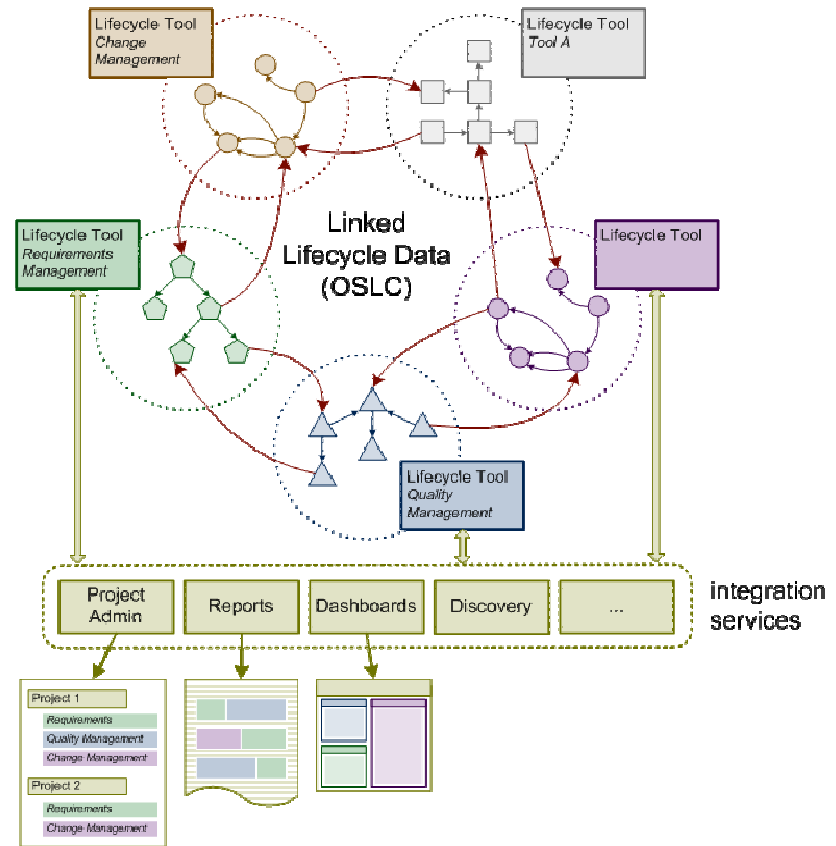
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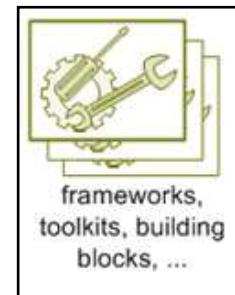


Jazz平台

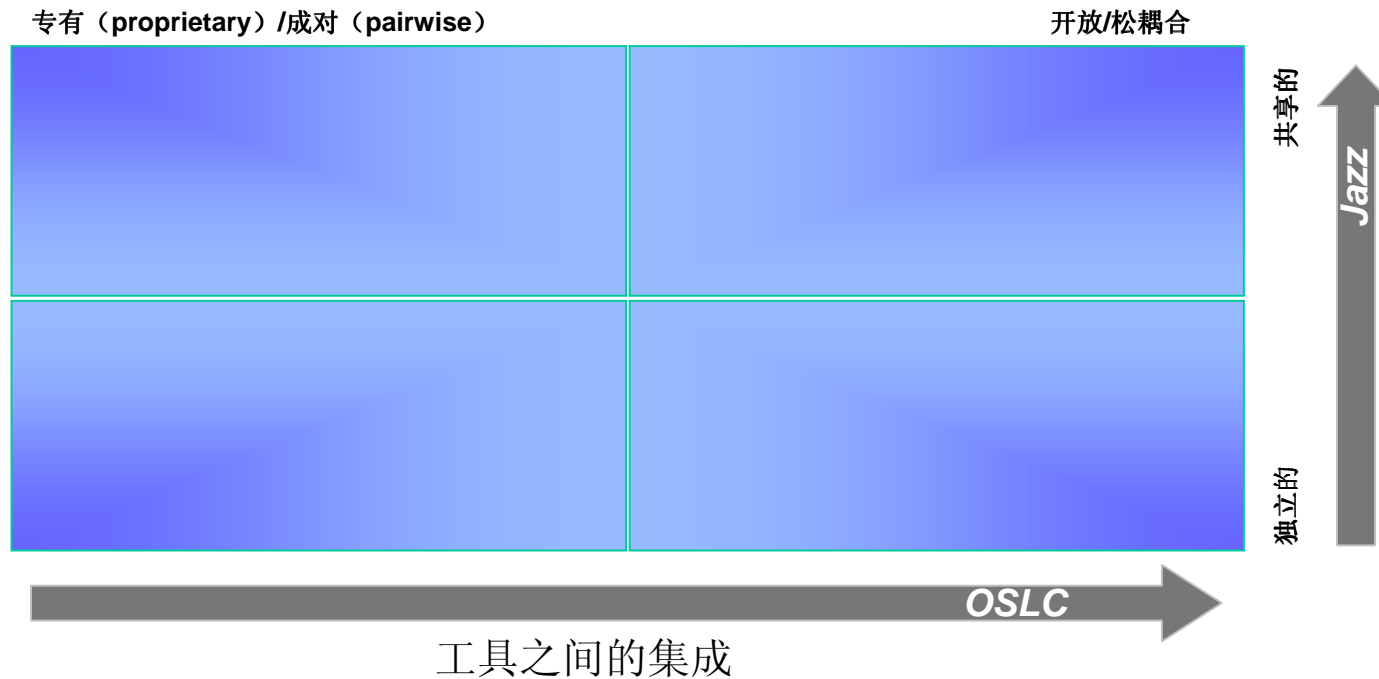
Jazz 架构



应用程序框架和工具包



OSLC 与 Jazz



OSLC 允许工具以一种非专有的方式来创建和管理分布的相互链接的生命周期数据。而 **Jazz** 平台则基于（包含）**OSLC**，并提供一种统一的分布式数据的试图和他们之间的联系。



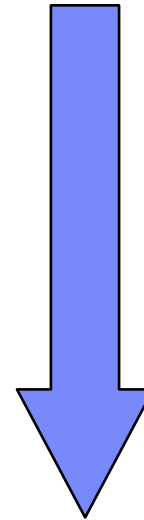
集成应用

- 单个工具能正常工作，但您也许想和其他工具集成在一起使用
- 以一种渐进的模式来集成其他的应用
- 从其他工具获得（并使用）您所需的
- 同时也提供接口和服务，让其他工具来使用



应用集成工具箱

- 提供和消费feed
- 提供和消费Open Social gadgets
 - 轻量级的UI集成
- 提供和消费OSLC资源
 - 链接数据（Linked-Data）的集成
- 使用Jazz 集成服务（Jazz Integration Services）

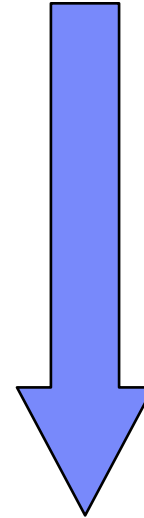


越来越深入的集成



应用集成工具箱

- 提供和消费feed
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越来越深入的集成



Open Social Gadgets

在Open Social (iGoogle, gmail)
的工作 工具 (gadget)

Google Search

I'm Feeling Lucky

Show this page every time I start to browse the web. [Make iGoogle my homepage](#)

Home

- Google Calendar
- CNN.com
- Weather
- IBM Stock
- Jazz Community Ne...
- All Open

Another Tab

- Date & Time
- gm_countdown.xml

Updates

- Friends

Chat

Search, add, or invite

Dejan Glozic

Set status here

Chat with friends in iGoogle!

Rather stay

All Open

- 3: CompositeRunner.filter incorrect if child throws NoTestsRema
- 4: BaseTestRunner.getTest() requires class to extend TestCase
- 8: assertThat signature does not match Matcher
- 9: assertThat fails with Class tests (documentation problem)
- 10: Who's responsible to deploy in maven central repository?
- 11: No download link to latest version
- 12: timeout doesn't work properly for >=2 cases in junit4.3?
- 13: Tests on protected methods fail
- 18: distribution cookbook out of date
- 23: suite() method should not matter for JUnit 4 tests

Page 1 of 3

Google Calendar

| June 2010 | | | | | | |
|-----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| 30 | 31 | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Today (Tue, Jun 1)

9:00am Jazz Foundation Deep Dive

Tomorrow (Wed, Jun 2)

8:00am Jazz Foundation PMC

Wed, Jun 9

8:00am Jazz Foundation PMC

Tue, Jun 15

9:00am Jazz Foundation Deep Dive

Today | Add

Options

Gmail Calendar Documents

Compose Mail

Inbox

Buzz

Starred

Sent Mail

Drafts

Personal

Travel

6 more

Contacts

Tasks

+ Dejan Glozic

Search, add, or invite

+ Google Calendar

All Open

- 3: CompositeRunner.filter incorrect if child throws NoTestsRema
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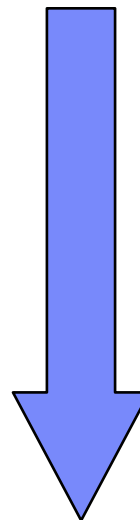


Open Social Gadgets

The screenshot displays the Rational Team Concert web interface. At the top, there is a navigation bar with 'Dashboards', 'Project Areas', 'Work Items', 'Plans', 'Builds', and 'Reports'. Below this is a browser window with tabs for 'Home', 'Team', 'PMC', and 'New tab'. A red box highlights a 'Remember The Milk' gadget, which shows a list of tasks: 'Make Build Input' (due Mar 5) and 'make hotel reservation' (due May 2). Below the tasks, it says 'Today + No tasks due today.' To the right of the red box, the text 'Open Social Gadget' is written in red. Other gadgets visible include 'Bookmarks' (listing RQM and RRC), 'Pending approvals for me (2)' (listing two items with IDs 101461 and 66070), 'Open assigned to me (3)' (listing three items with IDs 93642, 82012, and 62601), and 'Current Plans for Erich Gamma (10)' (showing a bar chart for various work items).


应用集成工具箱

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越来越深入的集成








- “我是Bob, 产品经理.”



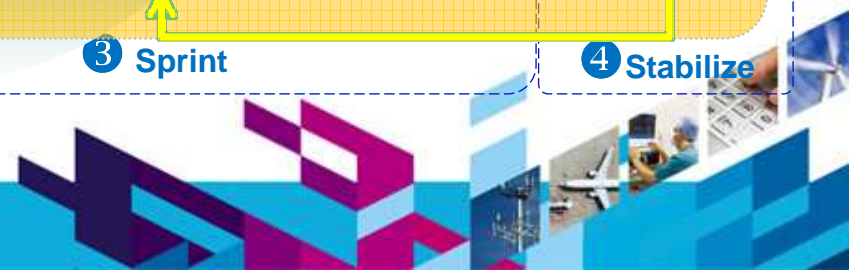
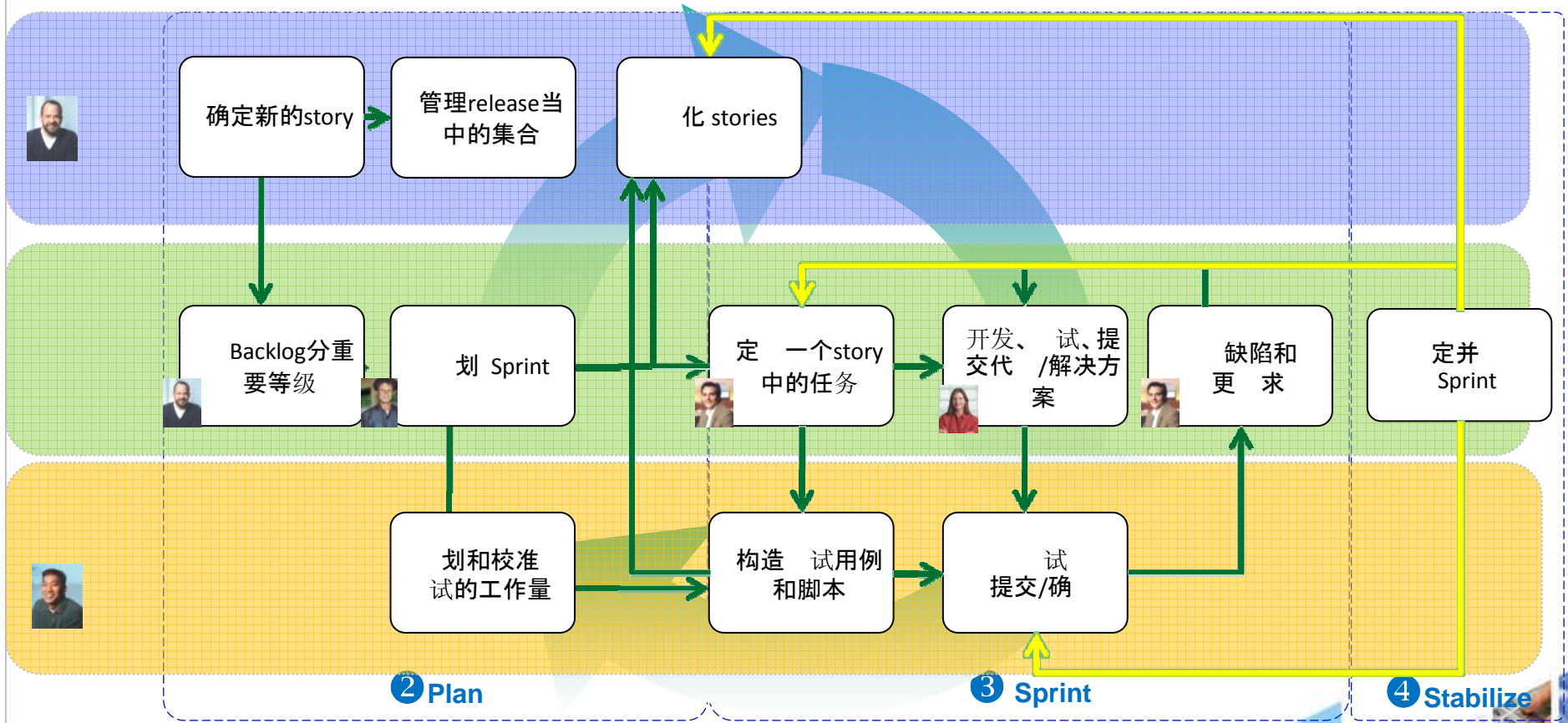
- “我是 Scott, Scrum Master.”



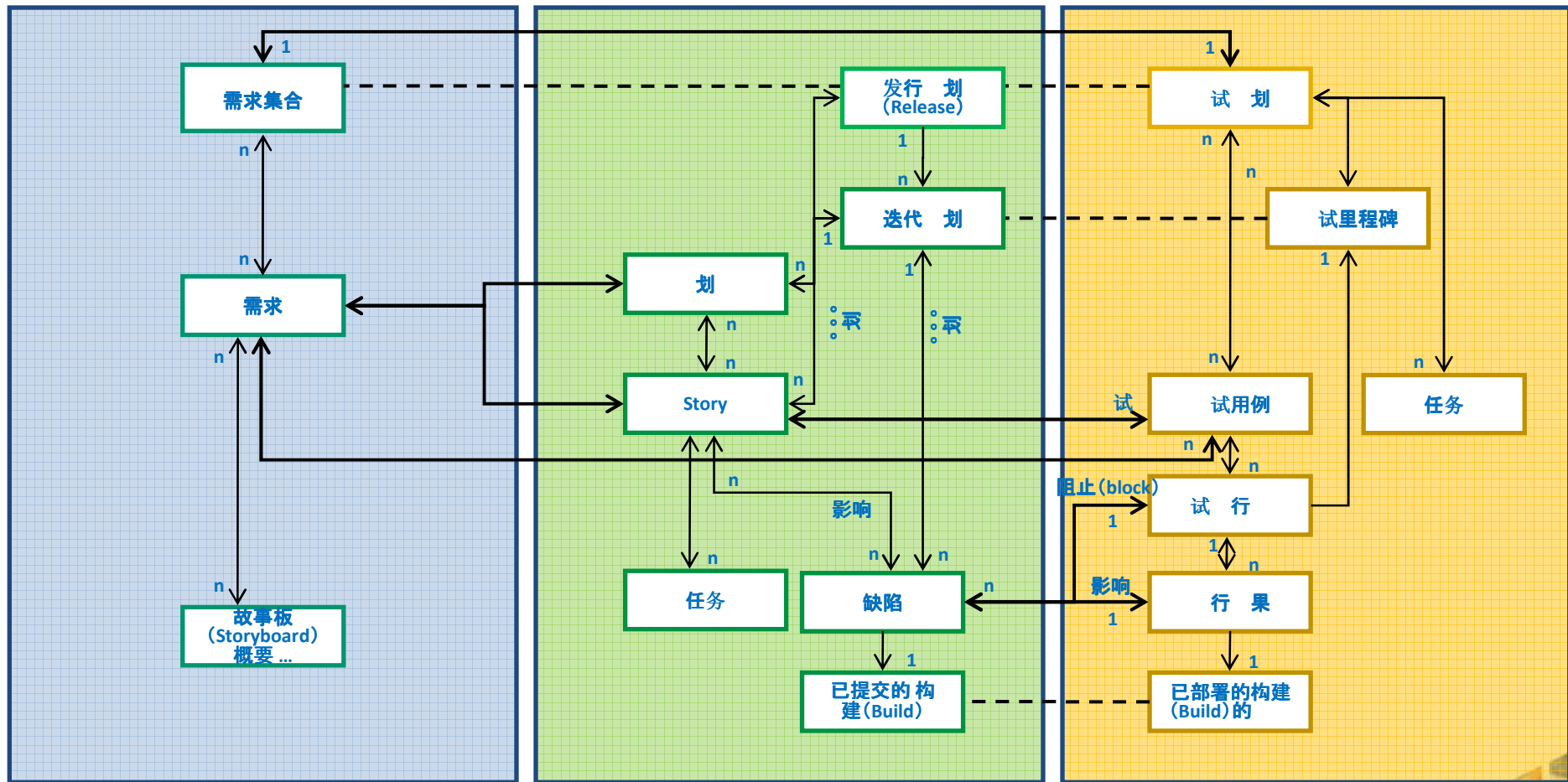
Marco, Deb, 开发主管, 开发者



- “我是Tanuj, 试人 .”



以 相互链接的资源 (工具)



OSLC 和开放 与进来

Learn **Use** **Participate**

Open Services for Lifecycle Collaboration (also known as OSLC or Open Services) is a community and set of specifications for Linked Lifecycle Data. The community's goal is to help product and software delivery teams by making it easier to use lifecycle tools in combination.

Follow @oslcNews on Twitter

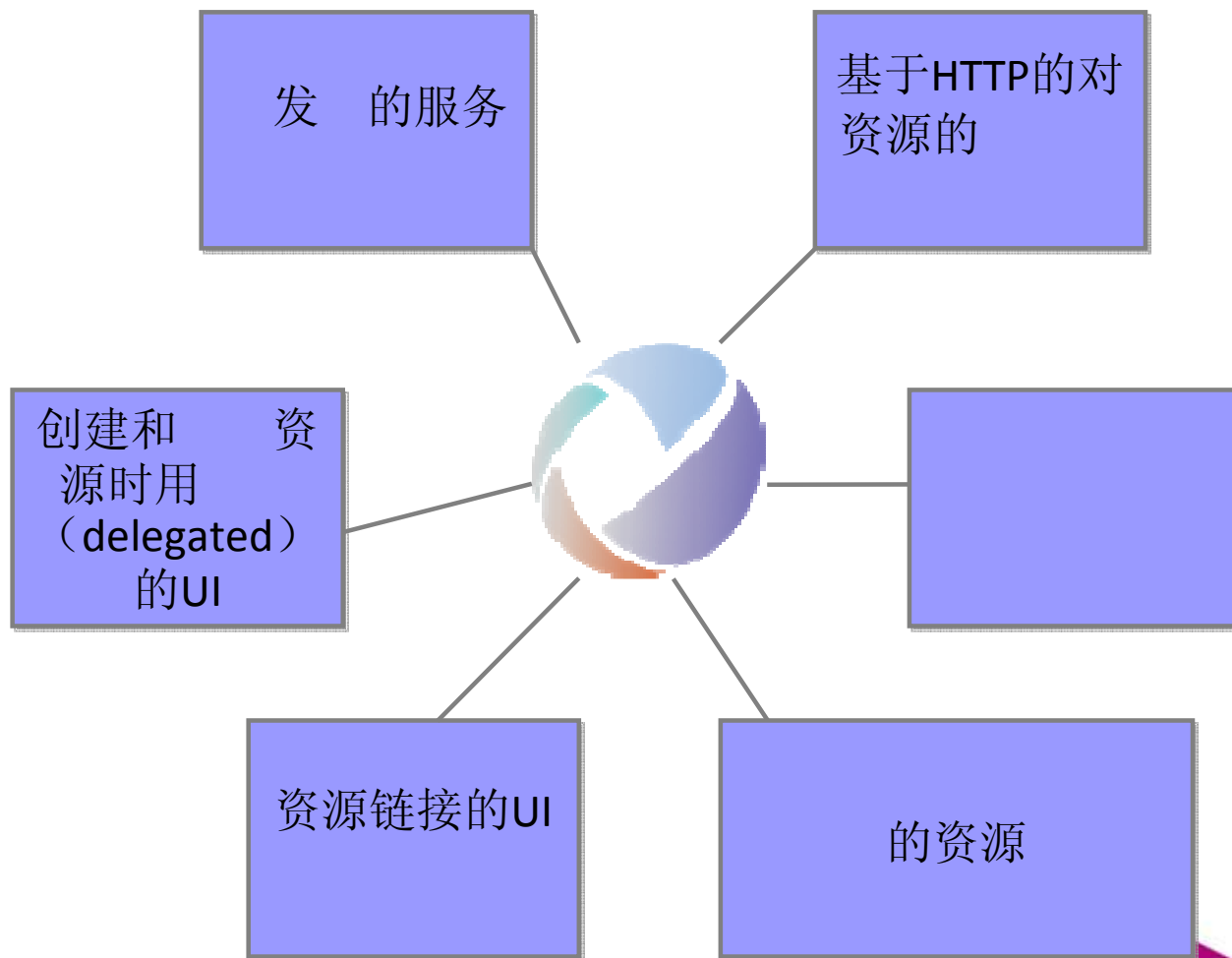
Like Be the first of your friends to like this.

- 开放的与一个所有对进
生命周期应用集成有 的 们的
▶ 对 的 个成 有“ 试 (purity test)”
▶ 费的
- 的 :所有的 开的,
所有的 以 的获
▶ 开放 发布的
▶ 有 费
- open-services.net

... 统的合作模, 和 的

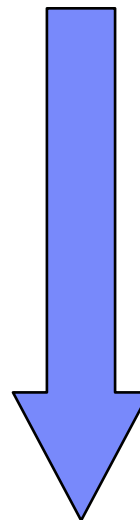


的 件



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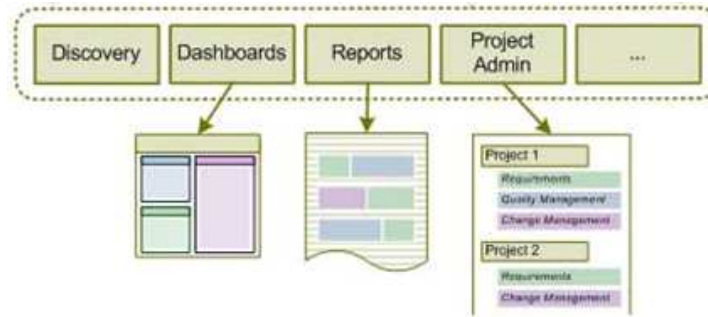


越来越深入的集成



Jazz 集成服务 (integration services)

Jazz平台
的集成模式

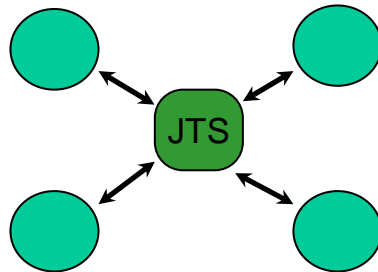


| | |
|---|--|
| 在 个工具 创建， ， 链接， 共享生命周期数据 | 数据和服务（数据的集成）. 工具间的数据集成， 以提供一个web数据用于其他集成模式 |
| 对数据的 和工具间的 和 的 | 从所有工具来的 ， 在 个工具的 的 |
| 使 生命周期和 的 和工作 正 / 起来 | 正 / 他们的 和工作 |
| 与 生命周期的 ， 和分 | 个工具的数据分 和 |
| 与 用的用 ， 许 和工具的管理 | 个 的管理 用的管理 以 许 的 和 （包 个 的基于 的许 ） 单 |
| 在其他应用的 基于其他应用的 级数据， （Mashup）和 （present）生命周期 | 让 成 和 务相 能 在 在其他 工具的数据， 并 的 件 |
| 工具的部 构， 件和 件的 用 | 需 的 ， 让 个工具部 在 用的 件和 件 |



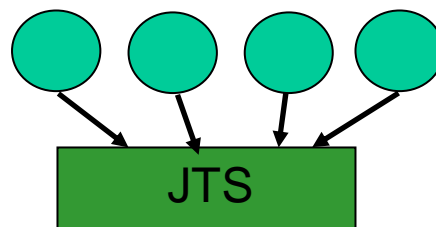
Jazz Team Server

▶ 用于集成的服务



- 发 (discovery)
- (authentication)
- 用 身份管理(user identity management)
- 数据索引和 (data indexing and querying)
- 数据 (data warehousing)
- 目和 目模板的管理 (project and project template administration)
- 许可 管理(license management)

▶ 能 的服务



- 基 (baselining)
- 存 (storage)
- 表板 (dashboards)
- 告管理 (reports management)
- 安全和 程 (security and process)

▶ 使用集成服务和 能服务来创建应用的Application SDK



集成服务（Integration Service）的

- 发 （Discovery）
- 个 （Personal Dashboards）



发 - 应用

Registered Applications ?

Use this page to view registered applications or to register new applications. Applications that support automatic configuration should be registered with the Jazz Team Server. These applications can provide services and can consume services provided by this Jazz Team Server and other registered Team Server and meaningful within your organization. The Discovery URL refers to the discovery service of the application.

Registered Applications

Select "Add..." to register a new application with this Jazz Team Server. You will be asked to provide the Name and Discovery URL (if applicable pre-authorized functional user ID with the application. This allows applications to make requests within background activities, such as sending e-applications of the same type, the same functional user ID should be used for all instances. Associating a pre-authorized functional user will give allowed for applications you trust. The Jazz Team Server will automatically generate a consumer key for the application, which can be copied an configuration).

| Name | Application Type | Version | Discovery URL |
|--------|---|----------------------------|------------------------------|
| /ccm | Change and Configuration Management | 3.0.1 RC3 | https://clmwb:9443/ccm/scr |
| /qm | Quality Management | 3.0.1 RC3 | https://clmwb:9443/qm/scr |
| /rm | Requirements Management | 3.0.1 RC3 (I20110513_2213) | https://clmwb:9443/rm/scr |
| /plm | Practice Library Management | 3.0 | https://clmwb:9443/plm/scr |
| /admin | Lifecycle Project Administration | 3.0.1 | https://clmwb:9443/admin/scr |



发 - SCR

```
<jd:Application>
  <oslc:publisher rdf:resource="https://clmwb:9443/ccm/application-about"/>
  <jd:contextRoot>https://clmwb:9443/ccm</jd:contextRoot>
  <jd:domain rdf:parseType="Resource">
    <dc:identifier>http://open-services.net/ns/cm#</dc:identifier>
  </jd:domain>
</jd:Application>

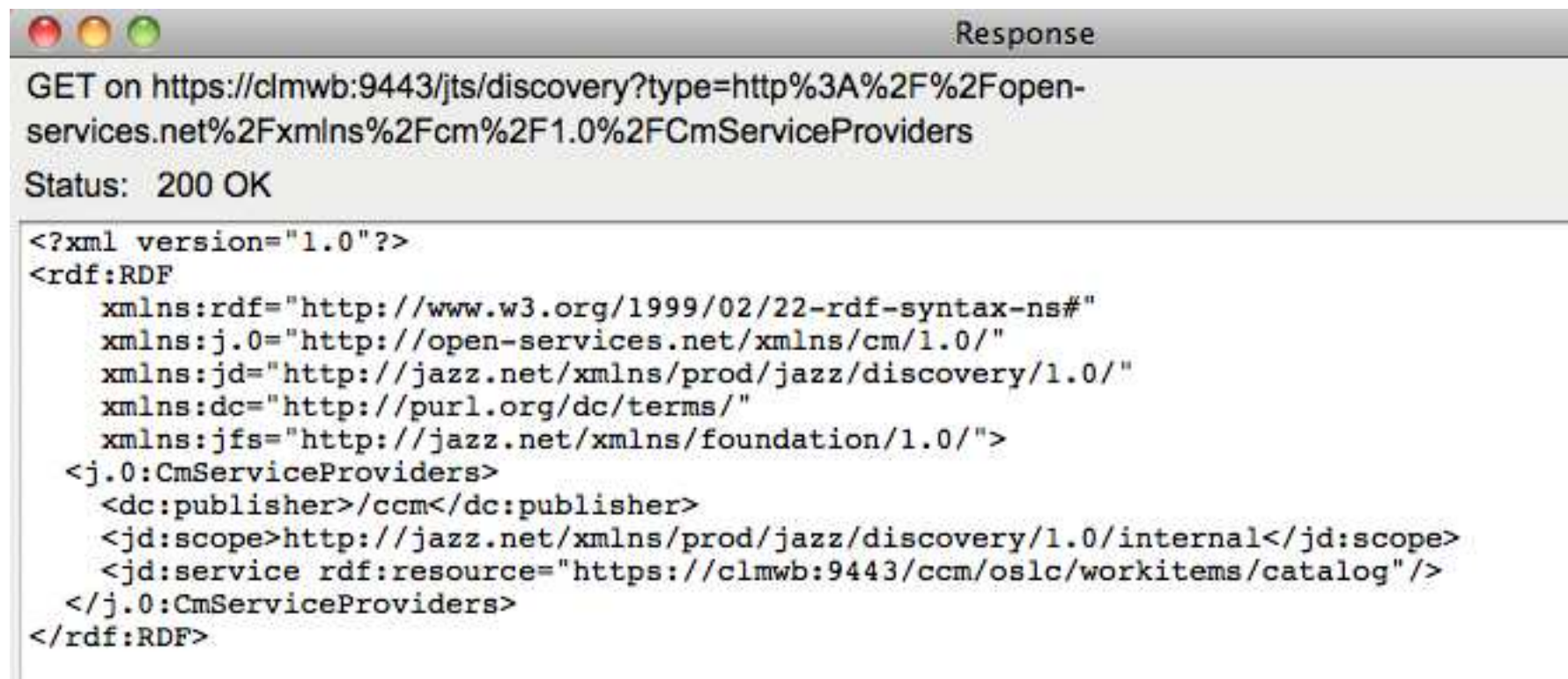
<ju:HomeMenu>
  <jd:service rdf:resource="https://clmwb:9443/ccm/home-menu-project"/>
  <ju:menuSection rdf:resource="http://jazz.net/ns/ui/menuSection#project"/>
  <oslc:publisher rdf:resource="https://clmwb:9443/ccm/application-about"/>
</ju:HomeMenu>

<oslc_cm:CmServiceProviders>
  <jd:service rdf:resource="https://clmwb:9443/ccm/oslc/workitems/catalog" />
</oslc_cm:CmServiceProviders>

<oslc_scm:ScmServiceProviders>
  <jd:service rdf:resource="https://clmwb:9443/ccm/oslc-scm/catalog" />
</oslc_scm:ScmServiceProviders>
```



发

<https://clmwb:9443/jts/discovery?type=>

Response

GET on <https://clmwb:9443/jts/discovery?type=http%3A%2F%2Fopen-services.net%2Fxmlns%2Fcm%2F1.0%2FCmServiceProviders>

Status: 200 OK

```
<?xml version="1.0"?>
<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:j.0="http://open-services.net/xmlns/cm/1.0/"
  xmlns:jd="http://jazz.net/xmlns/prod/jazz/discovery/1.0/"
  xmlns:dc="http://purl.org/dc/terms/"
  xmlns:jfs="http://jazz.net/xmlns/foundation/1.0/">
  <j.0:CmServiceProviders>
    <dc:publisher>/ccm</dc:publisher>
    <jd:scope>http://jazz.net/xmlns/prod/jazz/discovery/1.0/internal</jd:scope>
    <jd:service rdf:resource="https://clmwb:9443/ccm/oslc/workitems/catalog"/>
  </j.0:CmServiceProviders>
</rdf:RDF>
```



表板 (Dashboard)

Tanuj's Dashboard (RQM 用)

Test (RQM Viewlets)

Development (RTC Viewlets)

Requirements (RRC Viewlets)

My Tasks

| ID | Summary | Artifact | State |
|----|------------------------------------|--------------------|-------|
| 1 | Complete the Test Cases Section... | Test Plan for V1.0 | New |
| 2 | Complete the Test Case Design ... | Check Order Status | New |

Execution Status by Weight

Test plan: Test Plan for V1.0

| State | Weight |
|--------------|--------|
| Not started | ~100 |
| Attempted | ~100 |
| Inconclusive | ~100 |
| Blocked | ~100 |
| Failed | ~100 |
| Passed | ~100 |

Current RTC CD Collection Project Plans (2)

Current Iteration: Sprint 1 (1.0)

RTC CD Collection Project Builds

- Succeeded: RTC CD Collection Project build 20091217-1151 1 hour ago
- Succeeded: RTC CD Collection Project build 20091211-1237 Last Week
- Succeeded: RTC CD Collection Project build 20091211-1233 Last Week
- Failed: RTC CD Collection Project build 20091211-1231 Last Week

Stories ready for testing (3)

- 51: As a user I want to search using wild cards
- 49: As a catalog user I want to define my search preferences
- 37: Check the status of an order

Requirements (100)

- Register once for all purchases Last Week
- Training Last Week
- Globalization (G11n) Last Week
- Home Shopping e-commerce system Last Week
- Fault Tolerance Last Week
- Warehouse System Last Week
- US Section 508 of the Rehabilitation Act of 1973 Last Week

RQM Viewlets

RQM 用

RTC Viewlets

RRC Viewlets

QUESTIONS

www.ibm/software/rational





www.ibm/software/rational

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