

Lifecycle Project Administration

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Challenges




Tasks




- "I'm Bob the **Product Owner.**"



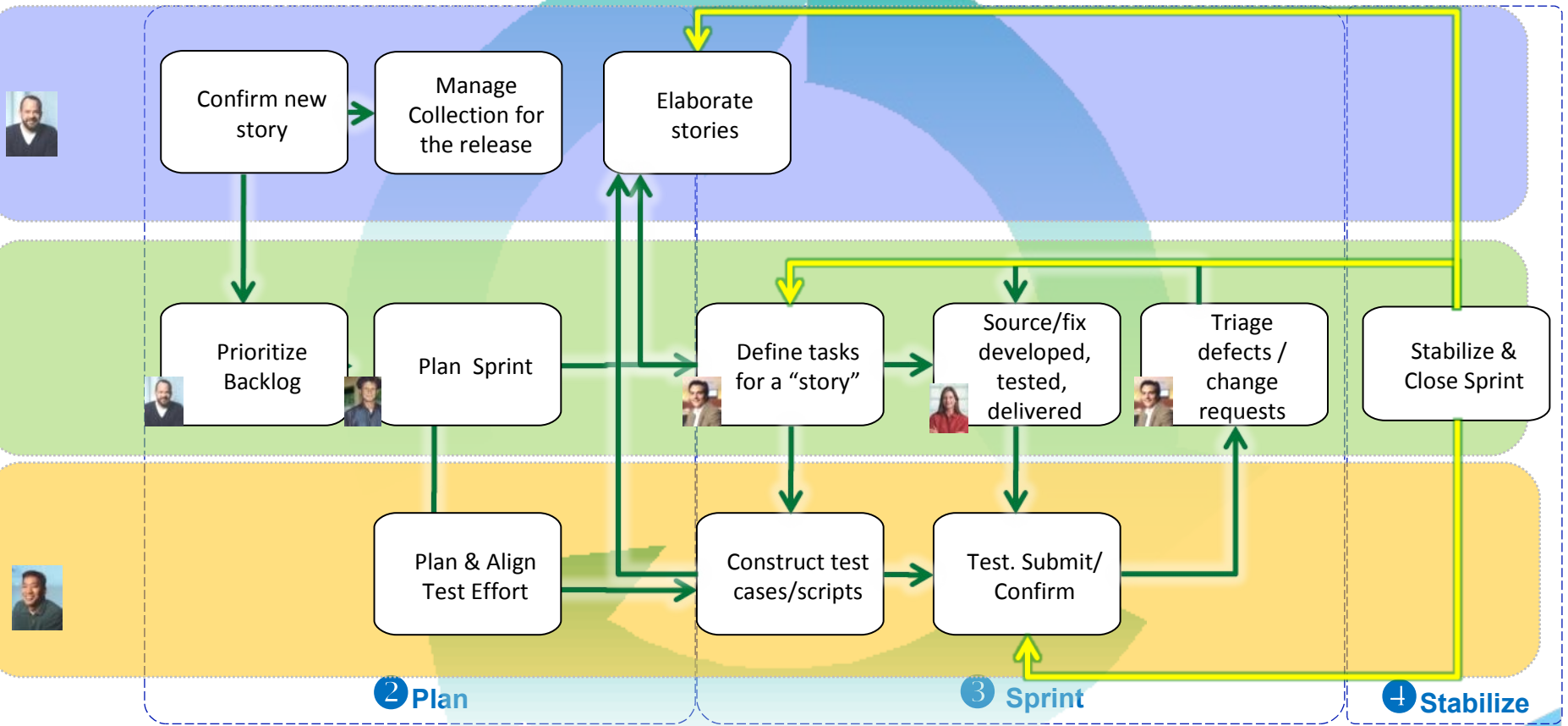
- "I'm Scott the **Scrum Master.**"



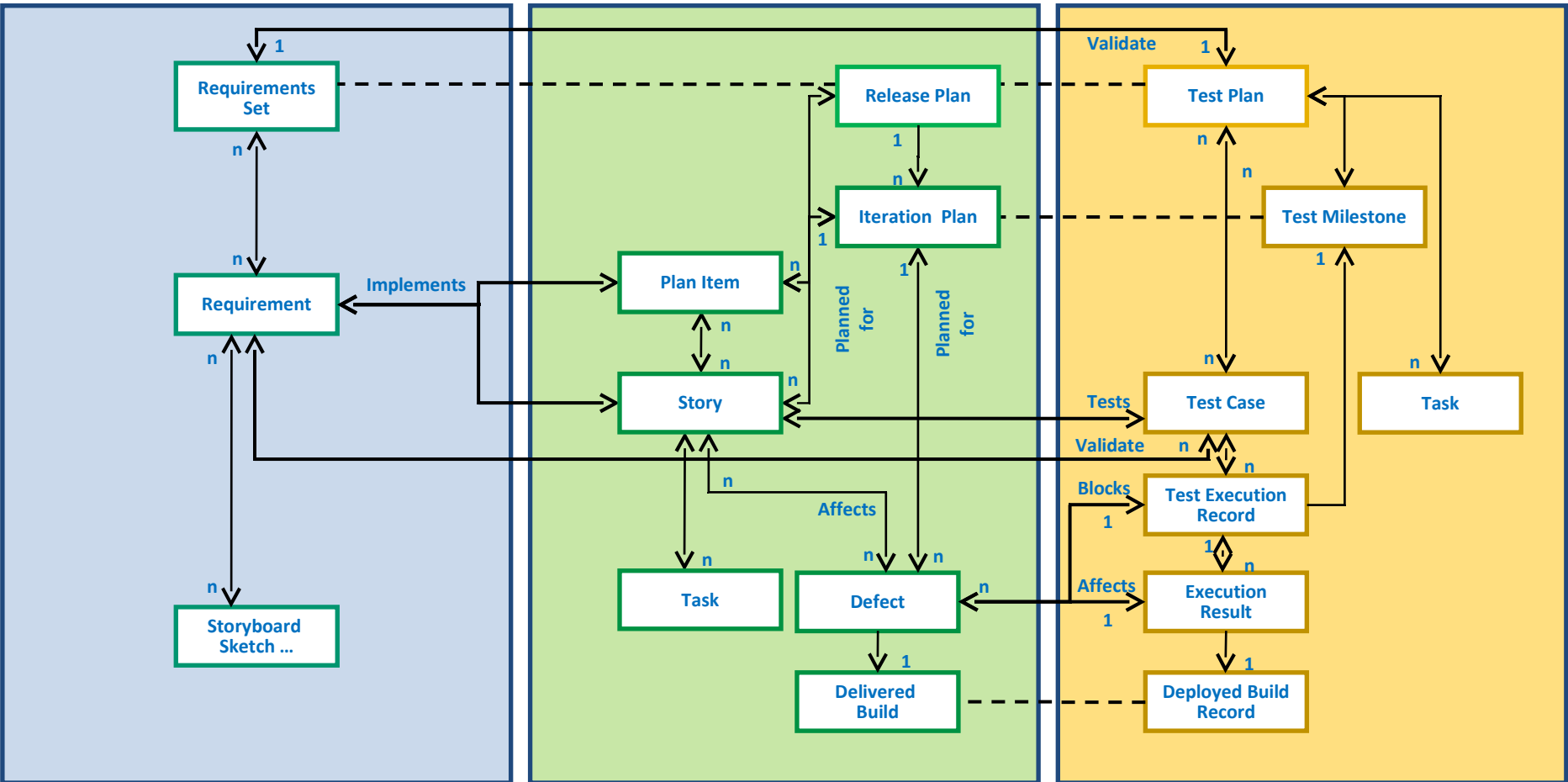
Marco, **Dev Lead.**
Developer



- "I'm Tanuj, a **Tester** in the team."



..generate linked artifacts













JKE Banking (Requirements)

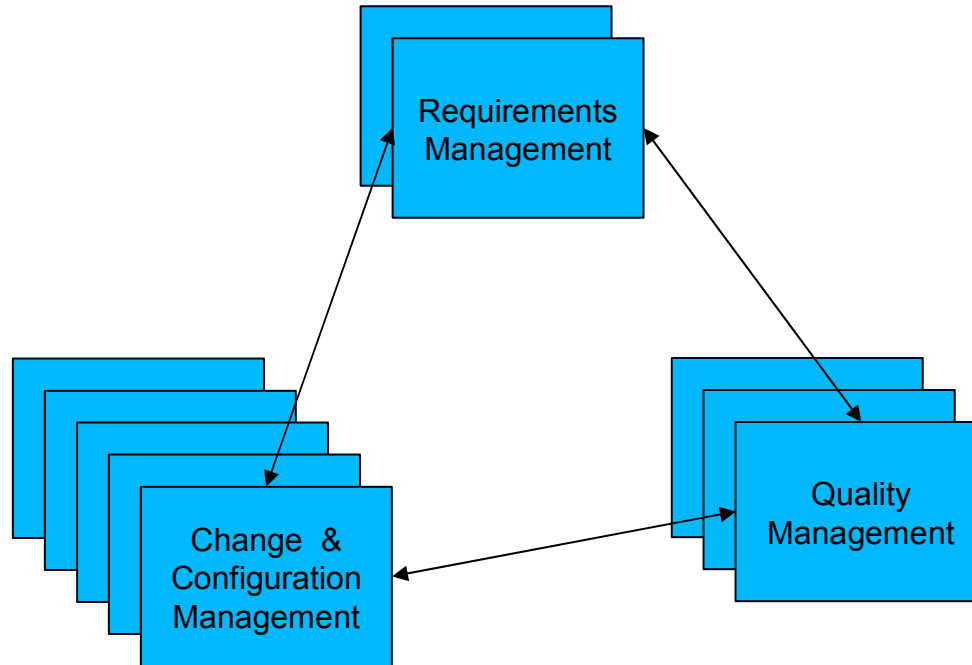
JKE Banking (Development)

JKE Banking (Test)

..in a network of Project Areas

- ▼ **JKE Banking (Change Management) in '/ccm' for 'Change and Configuration Management'**
 - ↳ Provides  Defects to JKE Banking (Quality Management)
 - ↳ Provides  Implementation Requests to JKE Banking (Requirements)
 - ↳ Provides  Quality Management Tasks to JKE Banking (Quality Management)
 - ↳ Provides  Requirements Change Requests to JKE Banking (Requirements)
- ▼ **JKE Banking (Quality Management) in '/qm' for 'Quality Management'**
 - ↳ Uses  Defects from JKE Banking (Change Management)
 - ↳ Uses  Quality Management Tasks from JKE Banking (Change Management)
 - ↳ Uses  Requirements from JKE Banking (Requirements)
- ▼ **JKE Banking (Requirements) in '/rm' for 'Requirements Management'**
 - ↳ Uses  Implementation Requests from JKE Banking (Change Management)
 - ↳ Provides  Requirements to JKE Banking (Quality Management)
 - ↳ Uses  Requirements Change Requests from JKE Banking (Change Management)

..hosted by a network of tools



Challenges

- Choose and link applications
 - ▶ unify user accounts
 - ▶ provide Single-Sign-On
- Choose collaboration model
- Select a set of matching process and project templates
- Create project areas
- Create appropriate project area associations
- Manage project area membership
- Coordinate role assignment across project areas
 - ▶ A Product Owner should be able to author requirements
- Assign licenses
- Ensure matching license assignment

- What term / phrase should we use to refer to these?

Associations / Link Types

Source Domain	Target Domain	Link Type	Inverse Type	Icon	Artifacts
QM	CM	tests	tested-by		Defects
QM	CM	tracked-by	tracks		Quality Management Tasks
QM	RM	validates	validated-by		Requirements
RM	CM	implemented-by	implements		Implementation Requests
RM	CM	tracked-by-cm	tracks-rm		Requirements Change Requests
CM	CM	related-to	related-to		Related Change Requests
SCM	CM	changes-tracked-by	tracks-changes		Change Requests
AM	CM	architects	architected-by		Change Requests
AM	QM	validated-by-am	validates-am		Quality Management Artifacts
AM	RM	elaborates	elaborated-by		Requirements



Lifecycle Project

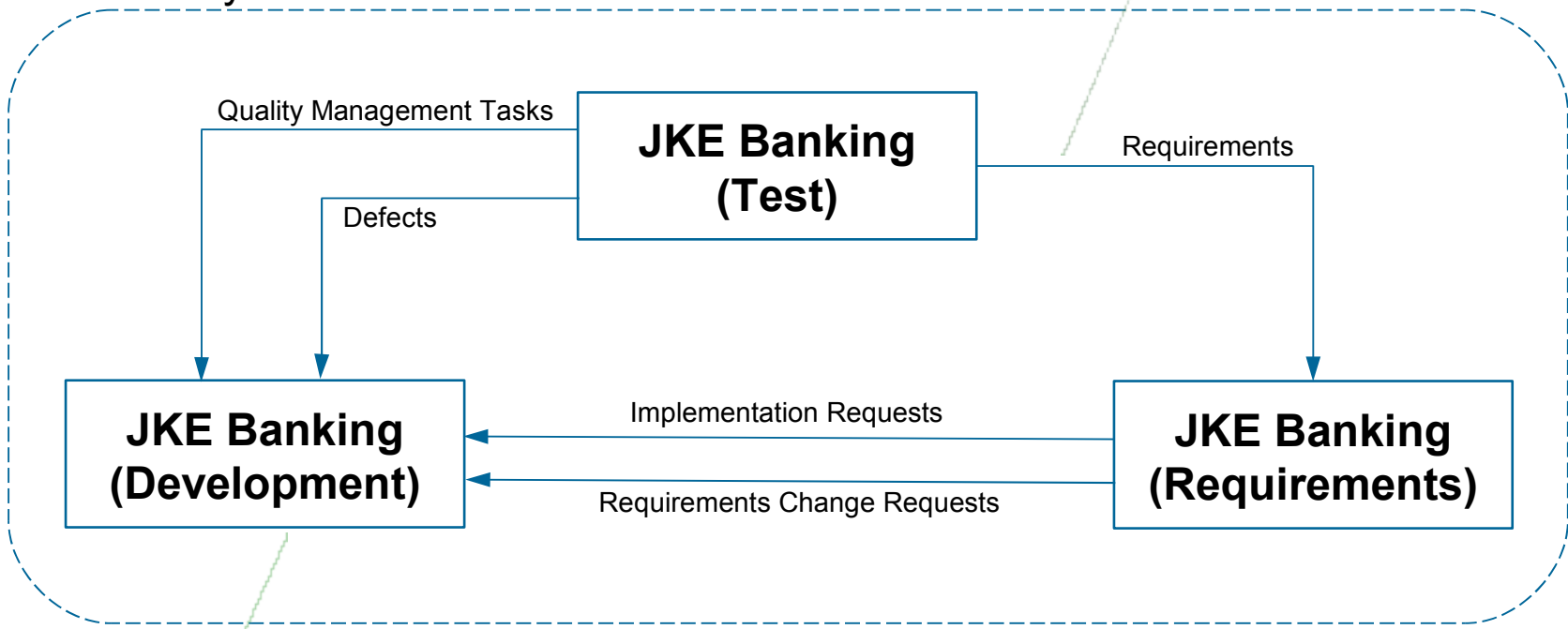


Lifecycle Project

Lifecycle Project

Association

Money That Matters



Artifact Container

Lifecycle Project

- A set of associated artifact containers
 - ▶ Artifact container types correspond to OSLC domains
 - ▶ Association reflect service relationships
 - ▶ Artifact containers are implemented by Project Areas

- A consolidated set of members and their roles
 - ▶ Artifact containers have members
 - ▶ Artifact containers have the notion of roles assignments
 - ▶ Members have container specific roles



Lifecycle Project Administration - LPA

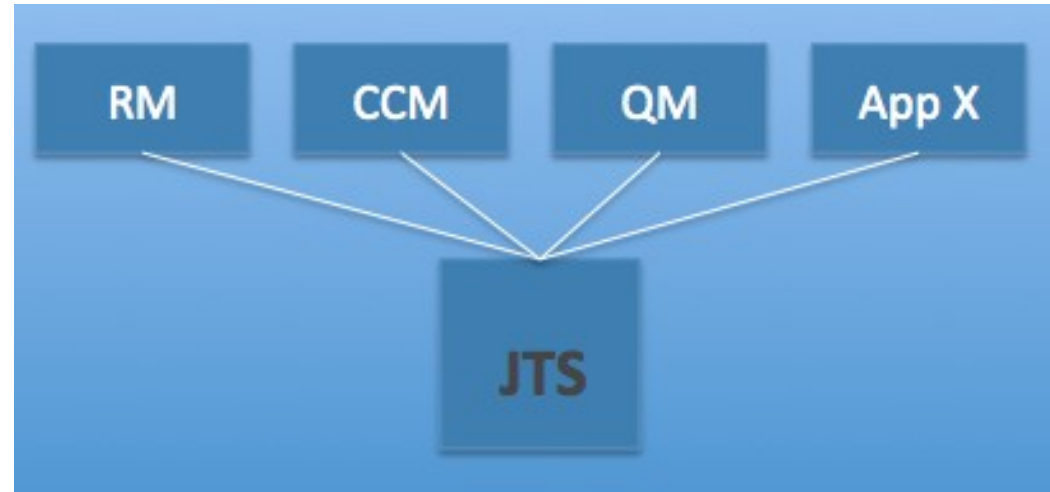
- Manage Lifecycle Project Templates
- Manage Lifecycle Projects
- Manage Lifecycle Project Members and their role assignments
- Validate role assignment rules

- Get you started with the Money That Matters Sample Project



System Architecture

- Applications register with the Jazz Team Server
- Applications employ common services such as User and License Management, and Lifecycle Project Administration



- JTS and its registered applications define a container for lifecycle projects
- LPA ensures secure communication between the applications
- (LPA is one application, but conceptually belongs to the JTS)



Challenges Addressed?

- Choose and link applications (by virtue of architecture)
- unify user accounts (by virtue of architecture)
- provide Single-Sign-On (simplified but not automatic)
- Choose collaboration model
- Select a set of matching process and project templates
- Create project areas
- Create appropriate project area associations
- Manage project area membership
- Coordinate role assignment across project areas
- A Product Owner should be able to author requirements
- Assign licenses
- Ensure matching license assignment

- What term / phrase should we use to refer to these?





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Setup



TEAM SERVER & APPLICATION SETUP



- ▶ RATIONAL JAZZ TEAM SERVER

- ▶ CHANGE AND CONFIGURATION MANAGEMENT (/ccm)

- ▶ QUALITY MANAGEMENT (/qm)

- ▶ REQUIREMENTS MANAGEMENT (/rm)

- ▶ LIFECYCLE PROJECT ADMINISTRATION (/admin)

- ▼ FINISH SETUP
- ➔ **Summary**

✔ Congratulations, you have successfully completed the setup. Click Finish to go to the Jazz Team Server Administration Home page, or select Create Users or Create a Lifecycle Project to get started with one of those tasks right away.

Summary

Jazz Team Server Setup

▶ Database Configuration	DERBY connection successful
Public URL	https://clmwb:9443/jts
E-mail Notification	Disabled
User Registry	DETECT
▶ Registered Applications	5 Applications registered
▶ Data Warehouse Configuration	DERBY connection successful

We recommend that you visit the [Jazz Team Server Administration](#) site to complete the next steps to get your project started:

1. Create Users

Create users in the Jazz Team Server and continue to manage them from within this single source.

OR ...

2. Create a Lifecycle Project

Create a project within Project Administration to manage relationships across the lifecycle.

You may also skip these steps and go to the [Jazz Team Server Administration "Home"](#) page where these options will also be available, or browse the complete [Jazz Tutorial](#) to take a tour of some of the major Jazz components.

Money That Matters Sample Project

Rational Jazz Team Server (clmwb:9443/jts)

Lifecycle Project Administration

Projects Members Templates **Sample**

Welcome to the **Money that Matters** sample



Create sample project

This sample provides an in-flight perspective of the collaborations that occur on a typical Agile team. Walk through an iteration with the team as they deliver a new feature to support an important corporate initiative called Money that Matters. To learn more about the Money that Matters sample, check out the 'Find out more' section.

Please select the applications to install the sample in:

- /qm (<https://clmwb:9443/qm>)
- /ccm (<https://clmwb:9443/ccm>)
- /rm (<https://clmwb:9443/rm>)

Important: We strongly recommend that you deploy the sample project to a test server or your local host, not a production server.

For successful creation of the sample, your user account will need client access licenses for each of the applications you selected to be part of the sample. If you have not assigned these licenses, or are unsure, visit the Jazz Team Server Administration > Users > Client Access License Management page to verify or make changes.

Note that it will take some time to create the sample and you will not be able to cancel the creation process once it starts.

Create

Returning to LPA

Rational Jazz Team Server (cimwb:9443/jts)

Lifecycle Project Administration

Personal Dashboards

- km's Dashboard
- All Personal Dashboards

Change and Configuration Management

My Projects All Projects

- JKE Banking (Change Management)
- All Projects

Practice Library Management

Quality Management

Requirements Management

My Projects All Projects

- JKE Banking (Requirements)

Administration

- Lifecycle Project Administration
- Jazz Team Server Home

sample that demonstrates
operations that occur on a typical
an important corporate ini

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Quality Management)
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irements Management'

Lifecycle Projects

Rational Jazz Team Server (clmwb:9443/jts)

Lifecycle Project Administration

Projects Members Templates Sample

All Lifecycle Projects ?

10 Items Per Page ◀ Previous

Money that Matters Sample

The Money that Matters sample is a feature-rich sample that demonstrates the capabilities of multiple Rational applications. It provides an in-flight perspective of the collaborations that occur on a typical Agile team. Walk through an iteration with the team as they deliver a new feature to support an important corporate initiative called Money that Matters.

Members: [Show project members...](#)

Artifact Containers

- ▼ JKE Banking (Change Management) in '/ccm' for 'Change and Configuration Management'
 - ↳ Provides Defects to JKE Banking (Quality Management)
 - ↳ Provides Implementation Requests to JKE Banking (Requirements)
 - ↳ Provides Quality Management Tasks to JKE Banking (Quality Management)
 - ↳ Provides Requirements Change Requests to JKE Banking (Requirements)
- ▶ JKE Banking (Quality Management) in '/qm' for 'Quality Management'
- ▶ JKE Banking (Requirements) in '/rm' for 'Requirements Management'



Members

Lifecycle Project Members ?

Add Member | Save

The members page provides an easy way to manage the members of a Lifecycle Project. From this page, you can add or remove members and manage the process roles assigned to a member in each artifact container.

Select Project:



Items Per Page

◀ Previous | 1 - 12 of 12 | Next ▶




Name	User ID	CCM	QM	RM	Status	Actions
Al	al	✓	✓	✓	Ok	
Bob	bob	✓	✓	✓	Ok	
Build	build	✓			Ok	
Curtis	curtis			✓	Ok	
Deb	deb	✓		✓	Ok	
km	km	✓	✓	✓	Ok	
Marco	marco	✓	✓	✓	Ok	
Rebecca	rebecca	✓			Ok	

Member Roles

Name	User ID	CCM	QM	RM	Status	Actions
Al	al	✓	✓	✓	Ok	
Bob	bob	✓	✓	✓	Ok	 

 **bob Member Details** 

To edit a member's process roles, click the process roles icon in the "Actions" column. For more advanced changes, click on the artifact container link or use the "Edit Artifact Container" action icon under the "Actions" column to open the full artifact container editor.

Artifact Container	Application	Membership	Read Access	Process Roles	Actions
JKE Banking (Change Management)	Change and Configuration Management	✓	✓	<u>Product Owner</u>	
JKE Banking (Quality Management)	Quality Management	✓	✓	<u>Test Team Member</u>	  
JKE Banking (Requirements)	Requirements Management	✓	✓	<u>Author</u>	

LPA Pitfalls

- LPA only manages artifact container links on lifecycle project creation, not when a container is added post creation
- LPA adds members only to all artifact containers, not selectively



ROLE ASSIGNMENT RULES



Role Assignment Rules

- Role rules express roles that go across artifact containers
- Role R1 in Artifact Container C1 implies Role R2 in Artifact Container C2

Phone

Description: Creating the Phone switcher infrastructure.

Members: [Show project members...](#)

Recommended Role Assignments: Download | Update

Artifact Containers

Configured Artifact Containers	
Name	

User ID	CCM	QM	RM	Status
al	✓	✓	✓	Ok
bob	✓	✓	✗	The user requires the "Author" role See Member Details for more information.
curtis	✓	✓	✓	Ok



Syntax

```
<?xml version="1.0" encoding="UTF-8"?>
<configuration xmlns="http://jazz.net/xmlns/foundation/lpa/1.0/">
  <context container="https://clmwb:9443/ccm/process/project-areas/_Rjdm8ErvEeCCp7ZY0-dXPw" id="rtc.project"/>
  <context container="https://clmwb:9443/jts/process/project-areas/_QY0YwkrvEeCugMPganAUxA" id="rrc.project"/>
  <context container="https://clmwb:9443/qm/process/project-areas/_XnHLcErvEeCZ69b00AP3Yw" id="rqm.project"/>
  <roleRule>
    <sourceRole context="#rtc.project" id="ScrumMaster"/>
    <targetRole context="#rqm.project" id="tester"/>
    <targetRole context="#rrc.project" id="Administrator"/>
  </roleRule>
  <roleRule>
    <sourceRole context="#rtc.project" id="Product Owner"/>
    <targetRole context="#rrc.project" id="Author"/>
    <targetRole context="#rqm.project" id="contributor"/>
  </roleRule>
</configuration>
```

LiveCycle Project Templates



Out-of-the Box Templates

Rational Jazz Team Server (cimwb:9443/jts)

Lifecycle Project Administration

Projects Members **Templates** Sample

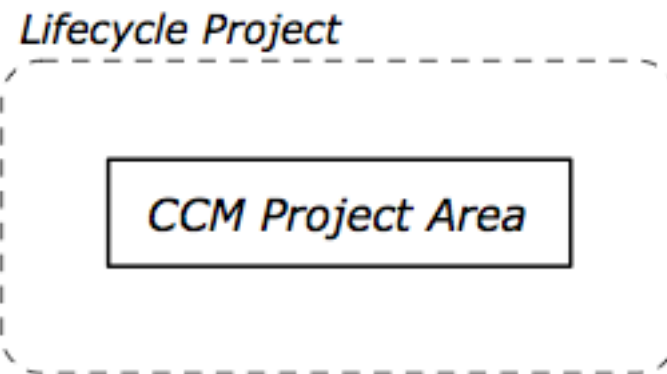
All Lifecycle Project Templates ?

Name
Quality Professional, Analyst, Developer
Quality Professional, Developer - without Requirements
Quality Professional, Analyst
Analyst, Developer
Analyst
Quality Professional - without Defects and Requirements
Developer
Quality Professional, Analyst, Developer - with separate Quality Management Tasks and Requirements Change Requests

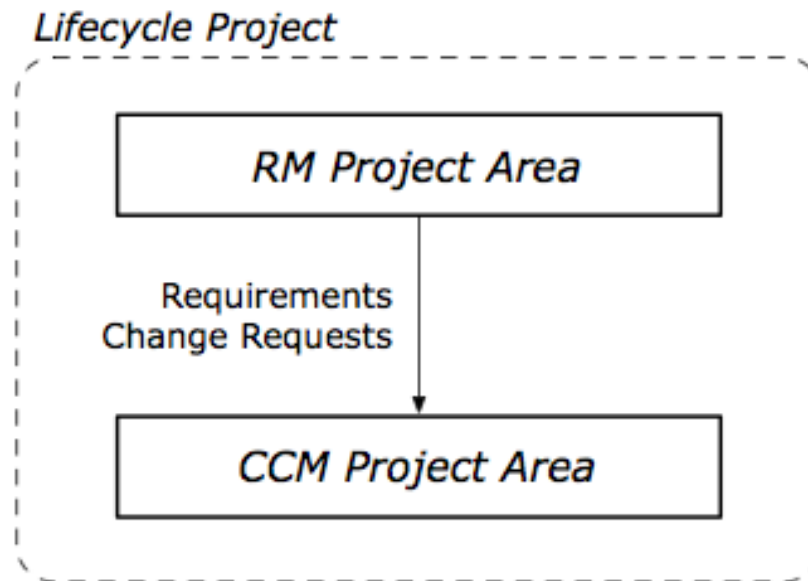
- Each template defines a different collaboration model / topology



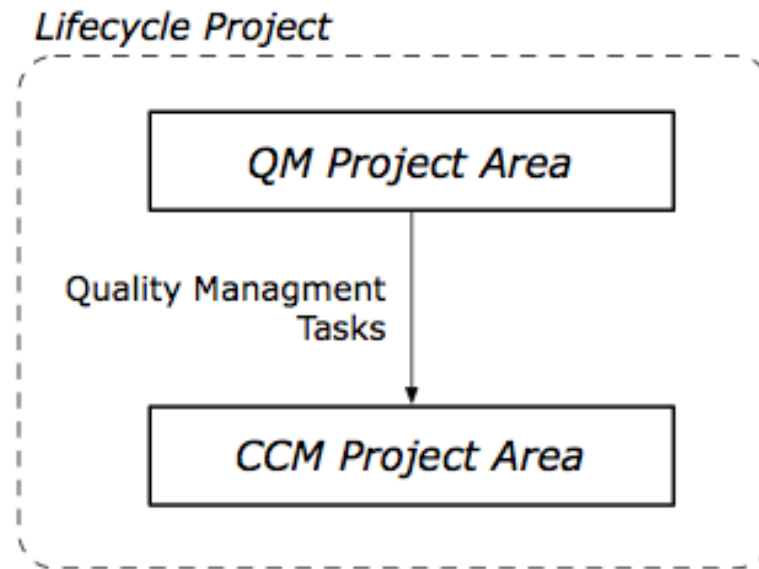
Developer



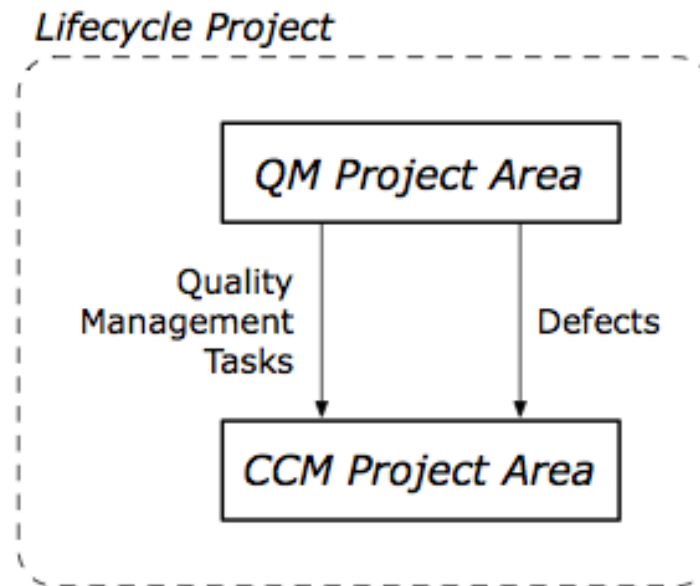
Analyst



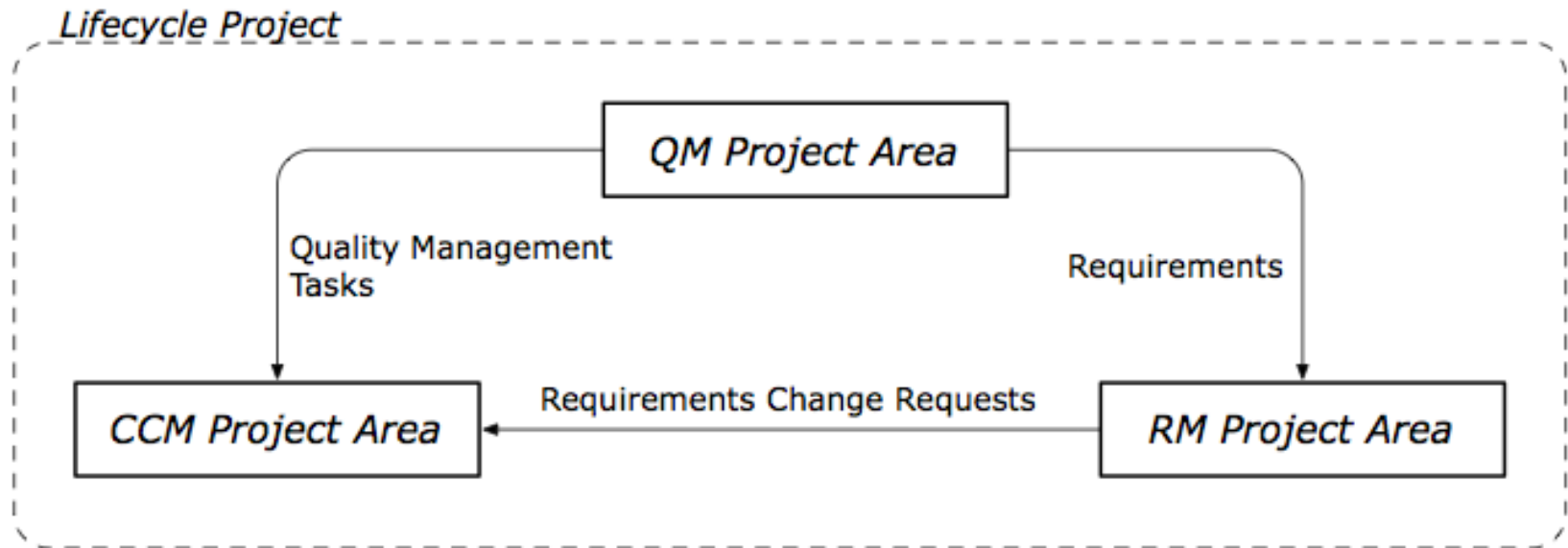
Quality Professional – without Defects and Requirements



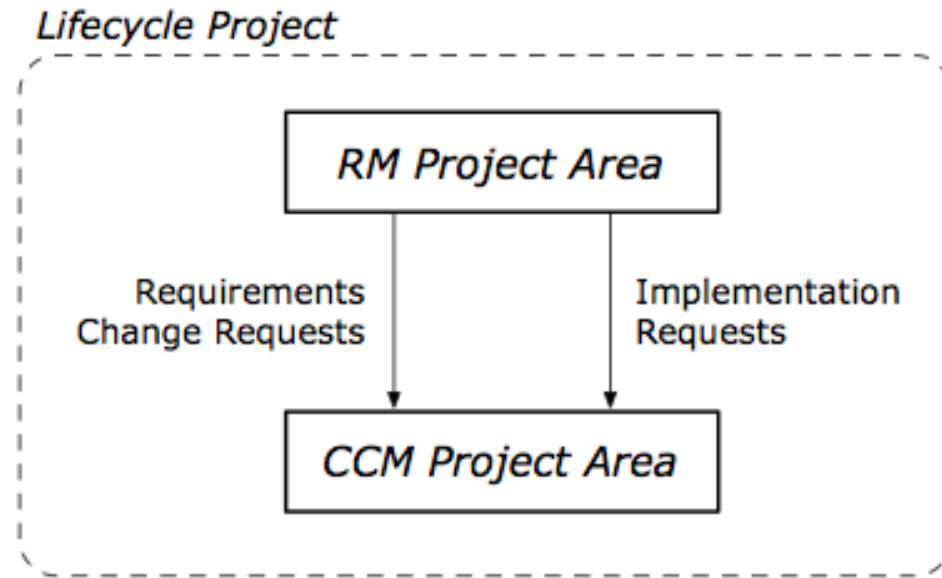
Quality Professional, Developer – without Requirements



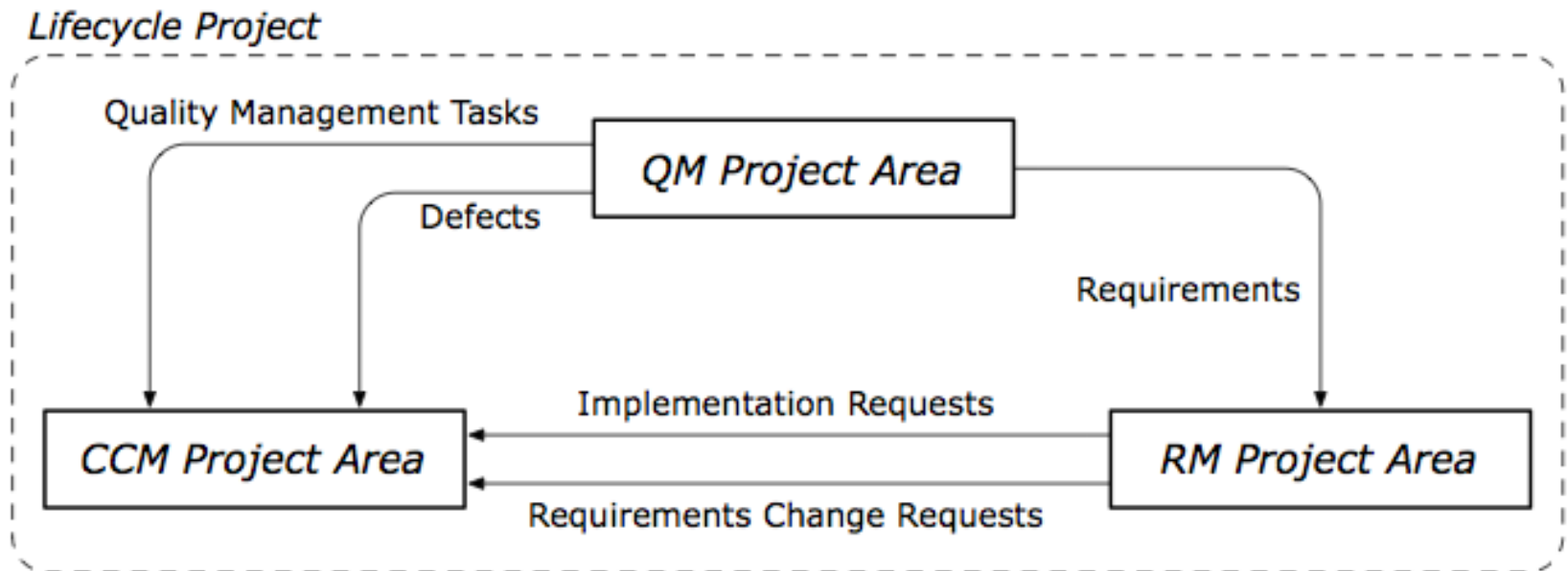
Quality Professional, Analyst



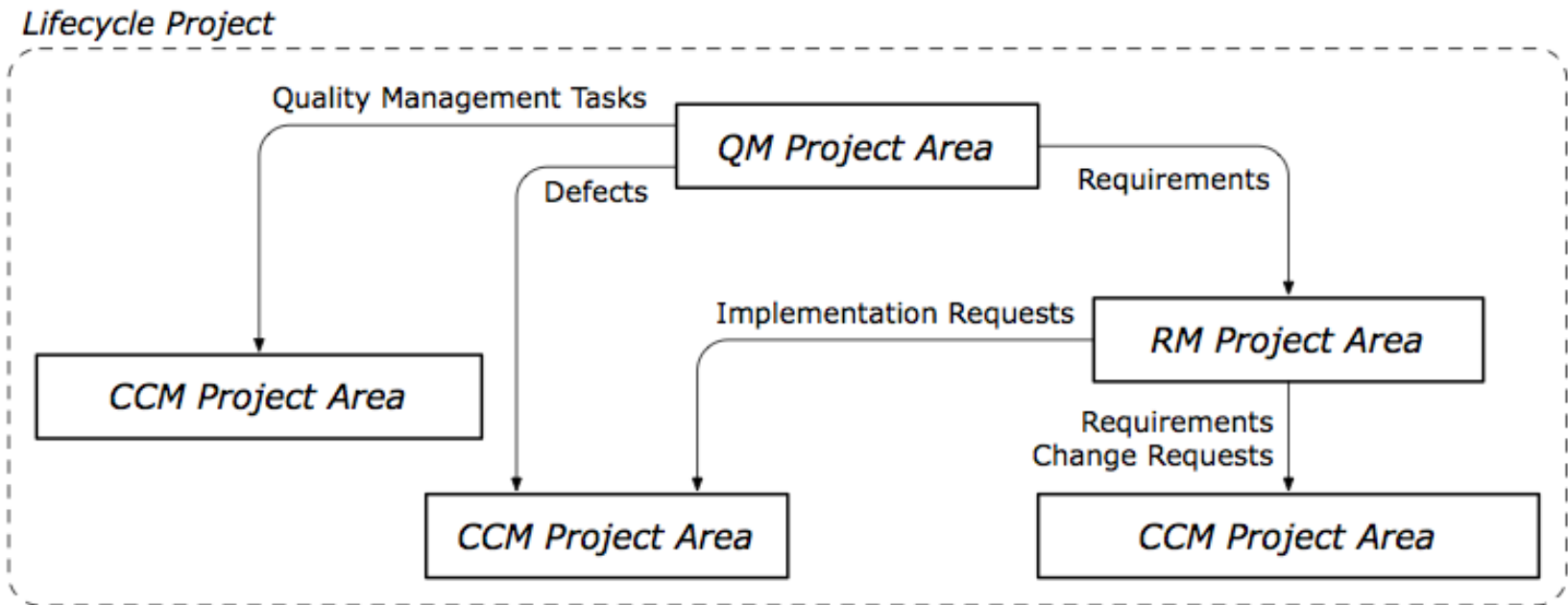
Analyst, Developer



Quality Professional, Analyst, Developer



Quality Professional, Analyst, Developer – with separate Quality Management Tasks and Requirement Change Requests



No Template

Lifecycle Project



Manage Templates

Rational Jazz Team Server (cimwb:9443/jts)

Lifecycle Project Administration

Projects Members **Templates** Sample

All Lifecycle Project Templates ? Import Template Deploy Predefined Templates +

Name	Summary	Actions
Quality Professional, Analyst, Developer	This template sets up associated project areas for quality management, requirements management, and change and configuration management. The testers (in quality management) and analysts (in requirements management) work integrated with development (in change and configuration management) and quality management tasks and requirements change requests are tracked in the change and configuration	

Syntax - Description

```
<!-- Template Description -->
<description>
  <dc:identifier>rational.alm.integrated.template</dc:identifier>
  <dc:title>Quality Professional, Analyst, Developer</dc:title>
  <dc:description>This template sets up...</dc:description>
  <dc:creator>IBM Corp.</dc:creator>
  <locales>
    <locale>zh</locale>
    <locale>cs</locale>
    <locale>en_US</locale>
    <locale>fr</locale>
    <locale>de</locale>
  </locales>
</description>
```

Syntax – Project Areas

```
<projectArea id="rtc.project">
  <processTemplates>
    <processTemplate>
      <dc:identifier>scrum2.process.ibm.com</dc:identifier>
      <dc:title>Scrum</dc:title>
    </processTemplate>
    <processTemplate>
      <dc:identifier>formalpm.process.ibm.com</dc:identifier>
      <dc:title>Formal Project Management Process</dc:title>
    </processTemplate>
  </processTemplates>
  <dc:subject>Change Management</dc:subject>
  <domain ref="http://open-services.net/ns/cm#" />
</projectArea>
```


Syntax - Associations

```
<!-- RRC implemented-by RTC -->
<projectAreaAssociation>
  <sourceDomain ref="#rrc.project"/>
  <linkType>implemented-by</linkType>
  <targetDomain ref="#rtc.project"/>
</projectAreaAssociation>

<!-- RTC implements RRC -->
<projectAreaAssociation>
  <sourceDomain ref="#rtc.project"/>
  <linkType>implements</linkType>
  <targetDomain ref="#rrc.project"/>
</projectAreaAssociation>
```

Syntax – Lifecycle Project

```

<lifeCycleProjects>
  <lifeCycleProject id="lpa.project">
    <dc:title>${request.param.projectName}</dc:title>
    <dc:description>${request.param.lpaProjectDescription}</dc:description>
    <lifeCycleProjectContext ref="#rrc.project"/>
    <lifeCycleProjectContext ref="#rtc.project"/>
    <lifeCycleProjectContext ref="#rqm.project"/>
    <configuration>
      <roleRule>
        <sourceRole id="ScrumMaster" context="#rtc.project"/>
        <targetRole id="tester" context="#rqm.project"/>
        <targetRole id="Administrator" context="#rrc.project"/>
      </roleRule>
      <roleRule>
        <sourceRole id="Product Owner" context="#rtc.project"/>
        <targetRole id="contributor" context="#rqm.project"/>
        <targetRole id="Author" context="#rrc.project"/>
      </roleRule>
    </configuration>
  </lifeCycleProject>
</lifeCycleProjects>

```



QUESTIONS

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