A cappella im Rational-Konzert

Einführung TFS in die IBM-Welt

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Giesecke & Devrient

zühlke
empowering ideas

Agenda

1. Work @ G+D

2. RTC vs. TFS

3. TFS Introduction

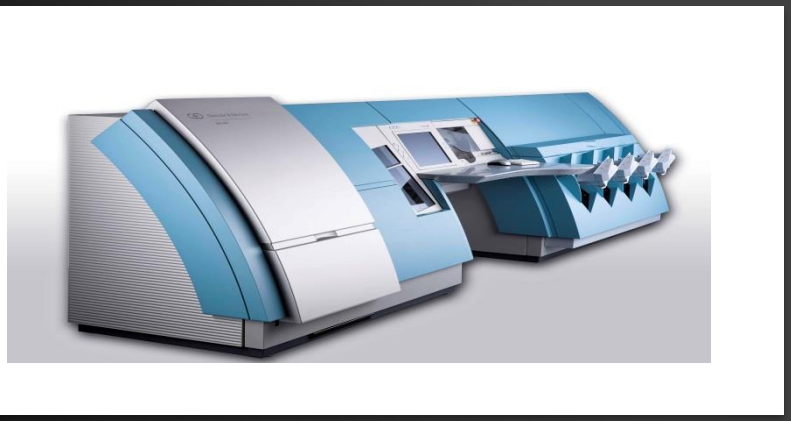
4. Summary

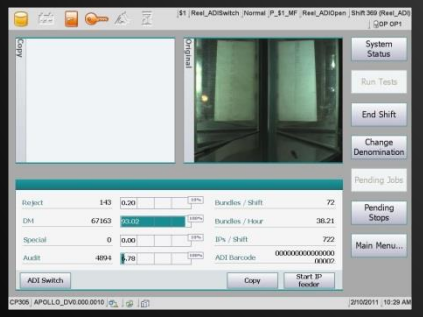
Work @ G+D

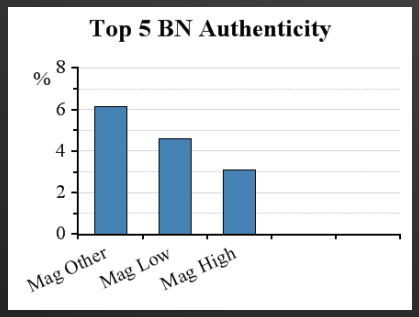
Products

Supervisor Menu
User Settings
Service
Currency
Denomination
IP-Size & Deposit ID
Print Reports
Repeat Report Printout
Reset Reject Statistics
Threshold Values

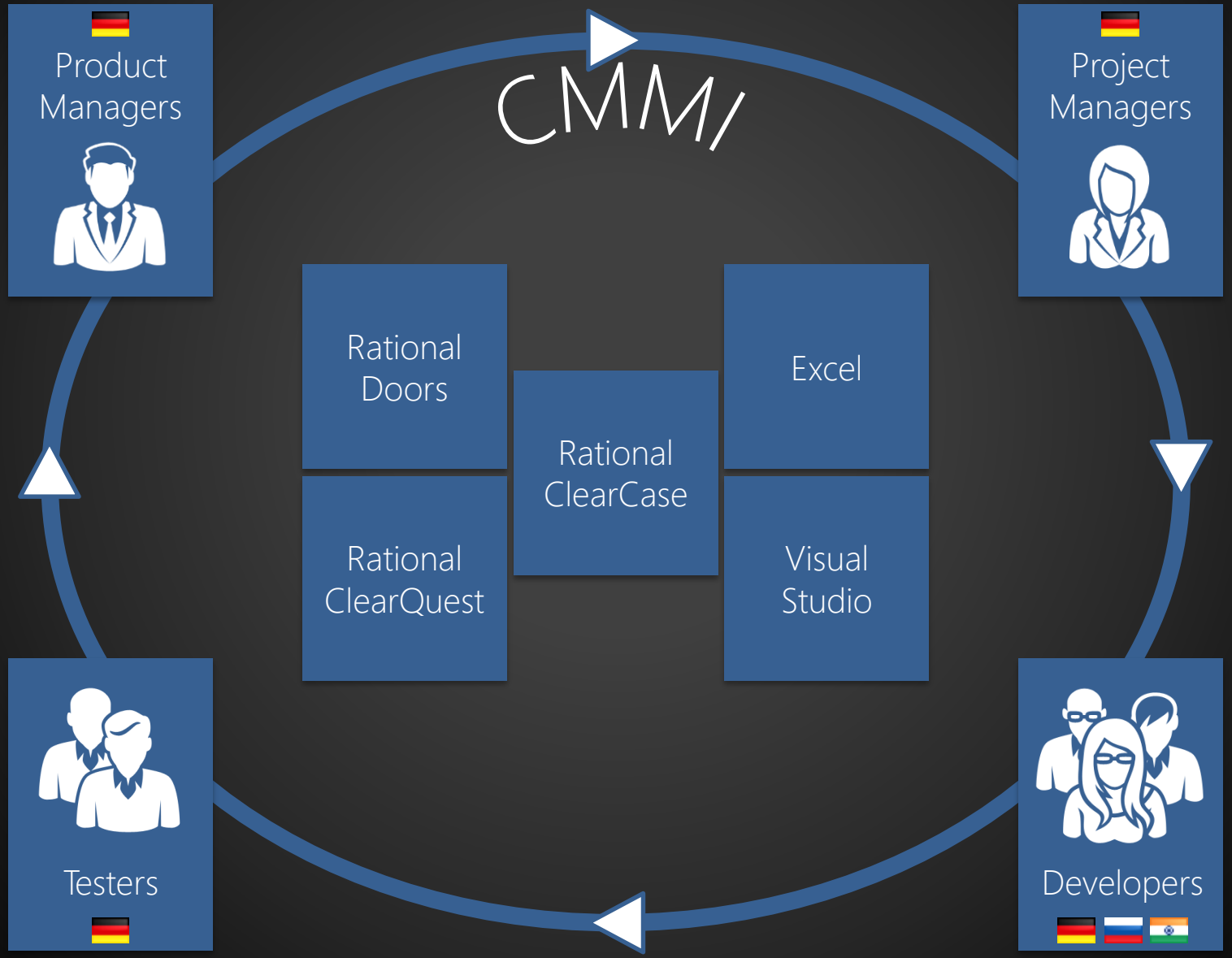
GDN
5
2008/04/23 | 12:05
ATM
FIT
UNFIT




System Status
Run Tests
End Shift
Change Denomination
Pending Jobs
Pending Stops
Main Menu...
ADI Switch
Copy
Start ID feeder


Top 5 BN Authenticity
%
8
6
4
2
0
Mag Other
Mag Low
Mag High

Process

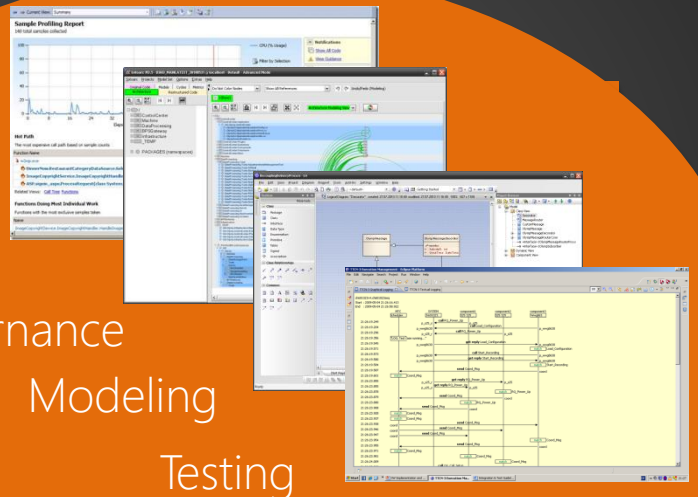

Product Managers
CMMI
Project Managers
Rational Doors
Rational ClearCase
Excel
Rational ClearQuest
Visual Studio
Testers
Developers

Development Tools

Product Managers

Project Managers

CMMI



Profilers

Governance

Modeling

Testing

SCRUM

Testers

Developers

Developer

Development Team

- Munich
- Russia
- India
- US, Canada

- Developers 40-100
- Development partners
- Feature Driven Development
- SCRUM

- 10-12 Tools for developers
- Sharepoint for collaboration
- Web folders

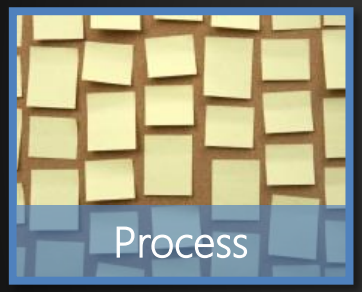
Motivation for ALM

- Reduce number of tools
- Shorten task execution times for developers
- Automate tasks as much as possible
- Improve collaboration even with remote sites
- Harmonize tools across locations & suppliers

RTC vs. TFS

Key Requirements

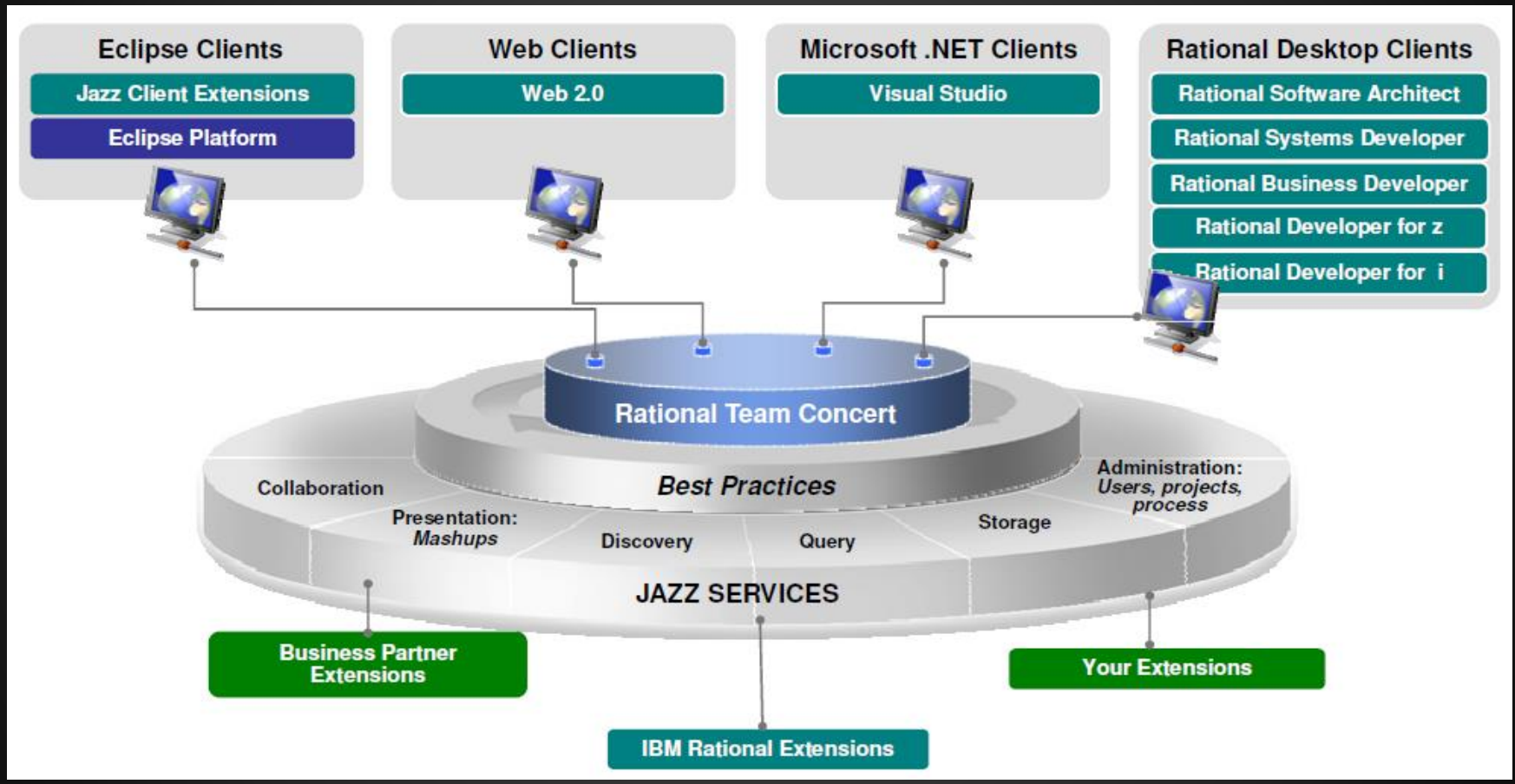
- Reduce number of tools
- Seamless and complete integration



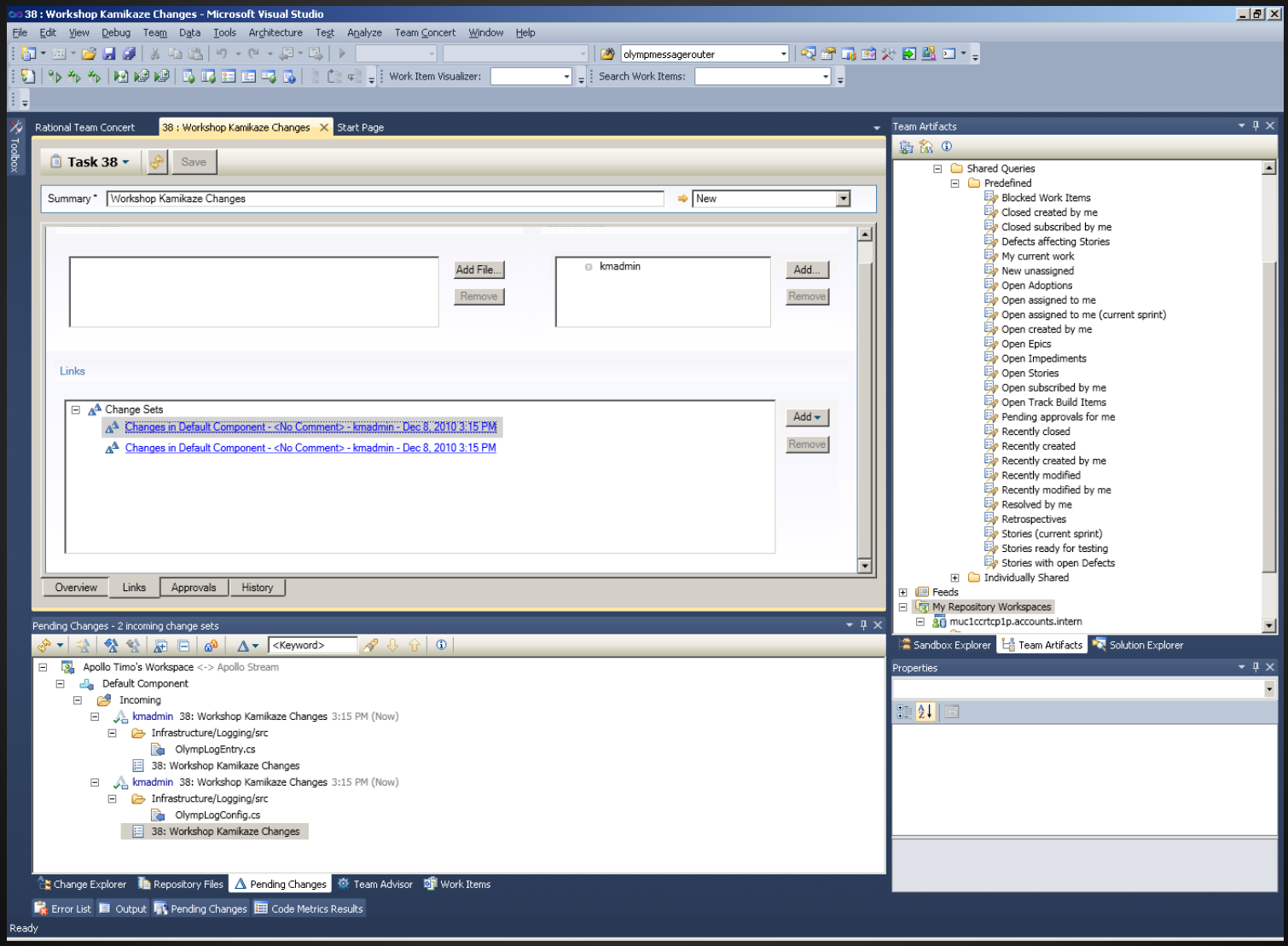
- Complete traceability through product lifecycle
- Support of feature driven development and SCRUM

- Project centric access to all artifacts
- Office integration to reuse existing products
- Offline support

RTC


Eclipse Clients
Jazz Client Extensions
Eclipse Platform
Web Clients
Web 2.0
Microsoft .NET Clients
Visual Studio
Rational Desktop Clients
Rational Software Architect
Rational Systems Developer
Rational Business Developer
Rational Developer for z
Rational Developer for i
Rational Team Concert
Collaboration
Best Practices
Administration:
Users, projects, process
Presentation:
Mashups
Discovery
Query
Storage
JAZZ SERVICES
Business Partner Extensions
Your Extensions
IBM Rational Extensions

VS Integration



Strength

TFS 2010

- IDE integration
- Sharepoint for collaboration
- Office integration
- Low administration effort

RTC 2.0

- Extensive team support
- Rich web interface
- Support of OSLC

Weakness

TFS 2010

- Work item versioning
- Planning

RTC 2.0

- Streaming concept
- Integration (IDE, Office)
- Maturity
- Separate tool for configuration
- Data warehouse not customizable

Decision

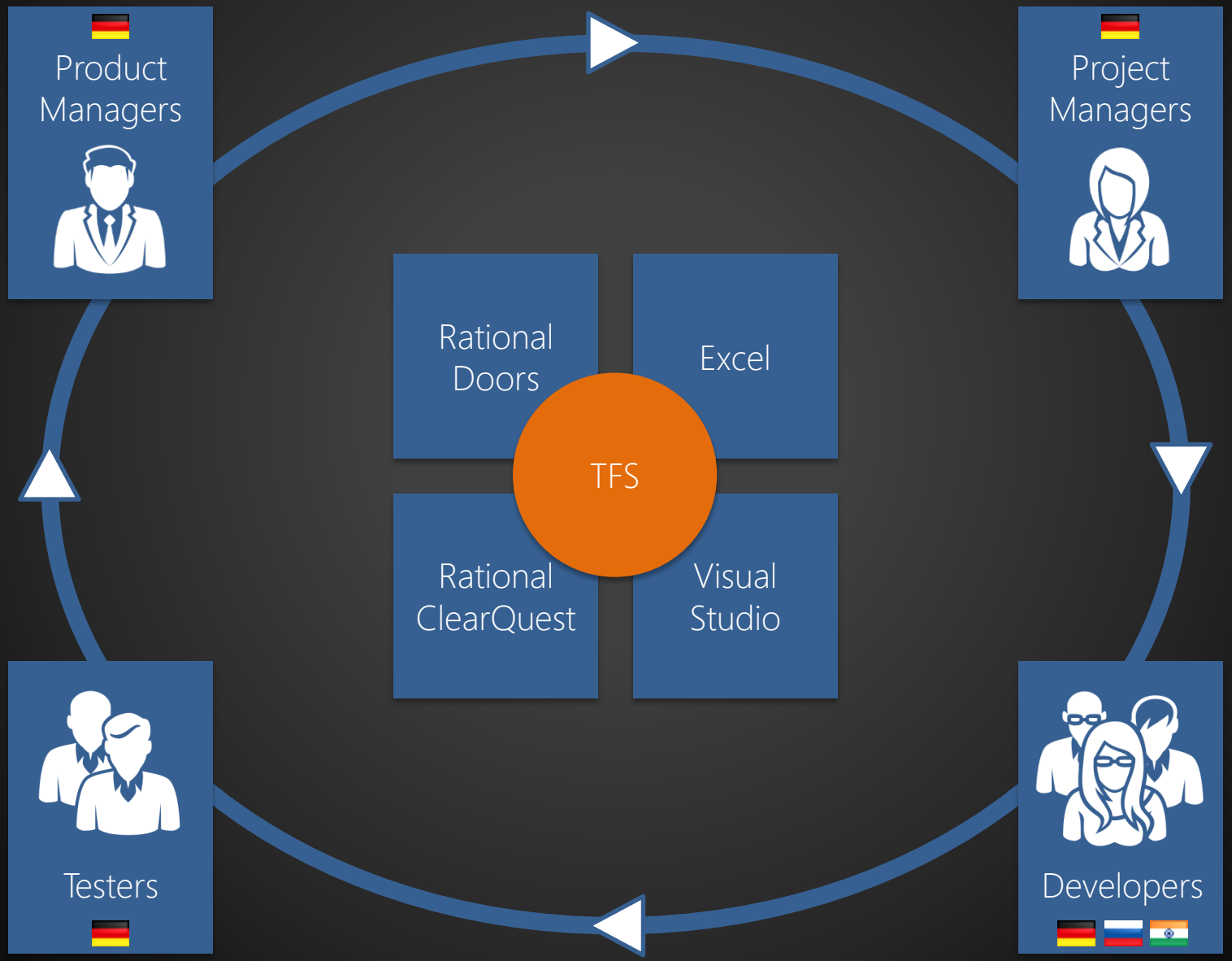
- All project roles involved
- Based on most important use cases
- Criteria catalogue with approx. 150 items
- Voted clearly for TFS

Why TFS

- Confidence of expected benefits
- Key requirements coverage
- Development process support
- Maturity, customer feedback & market share

TFS Introduction

Developer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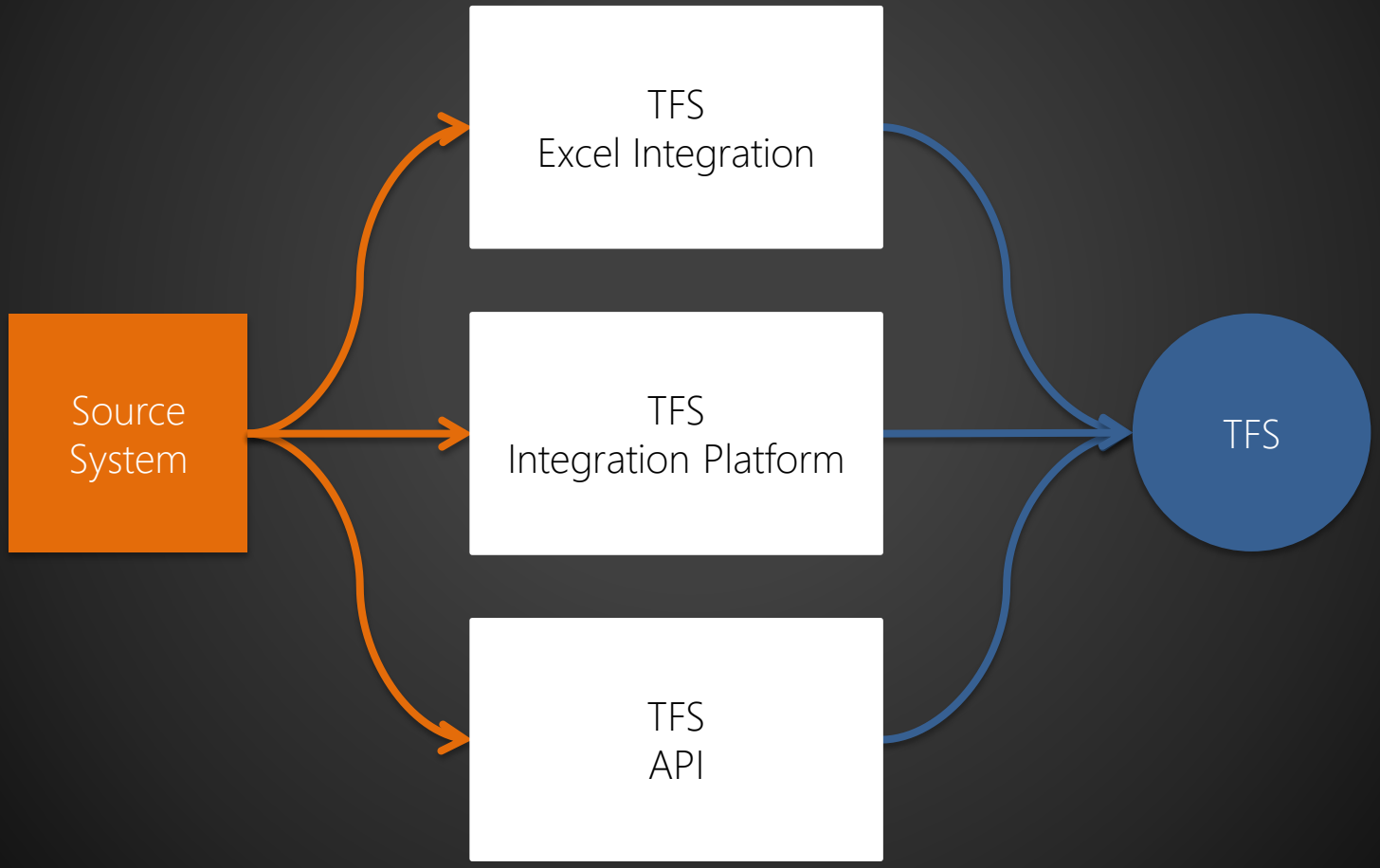
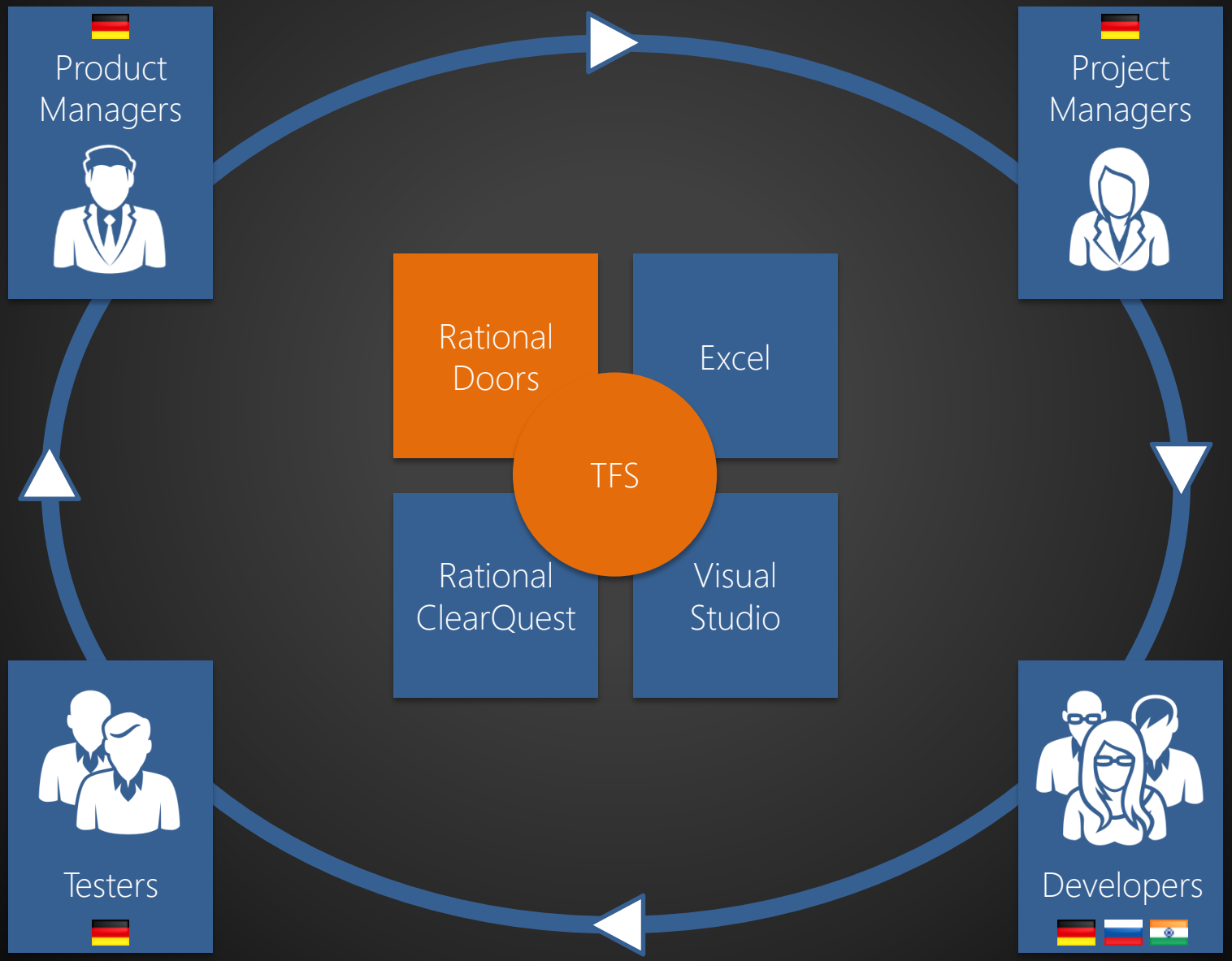
Integration

How can we do it?

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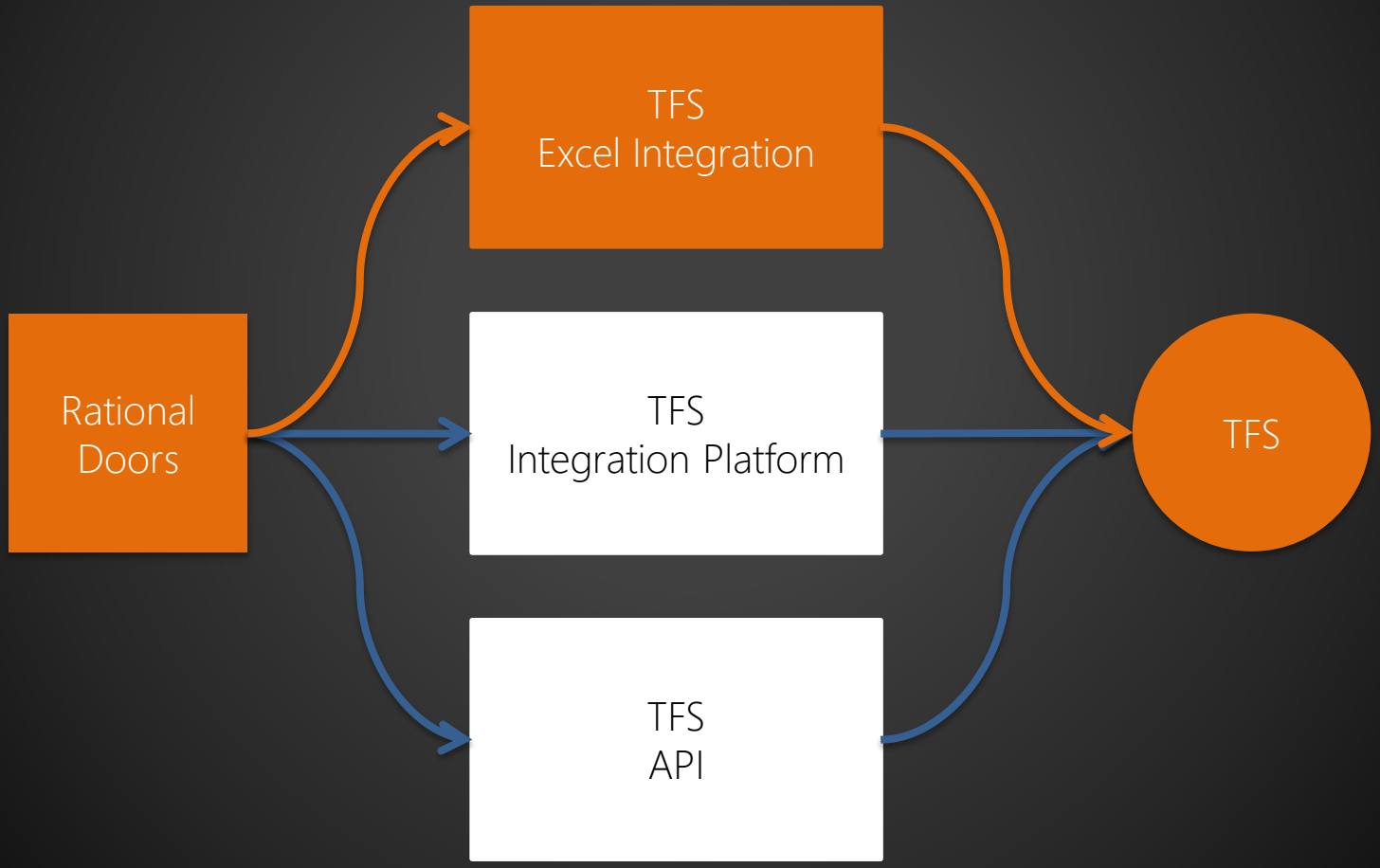
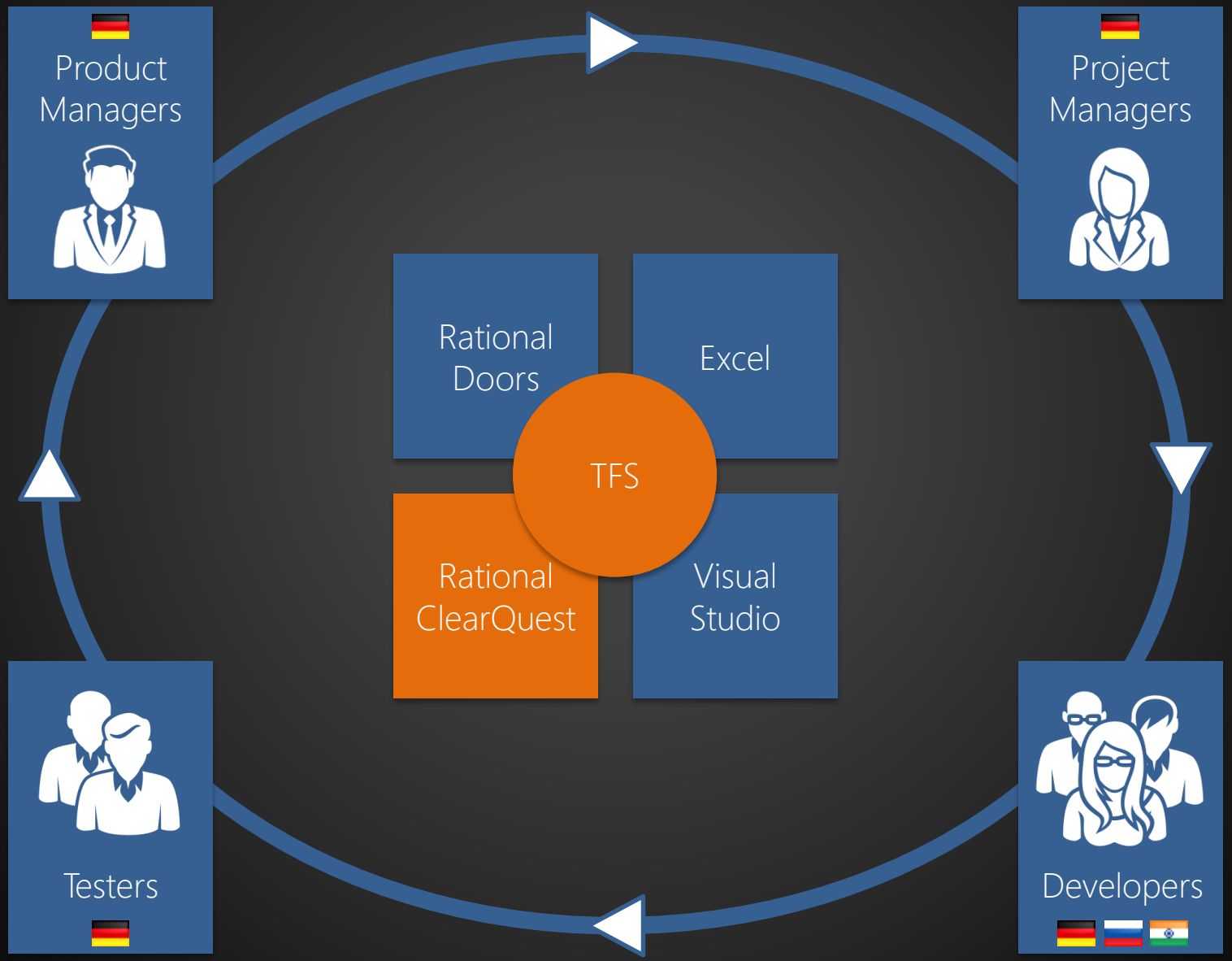
How do we do it?

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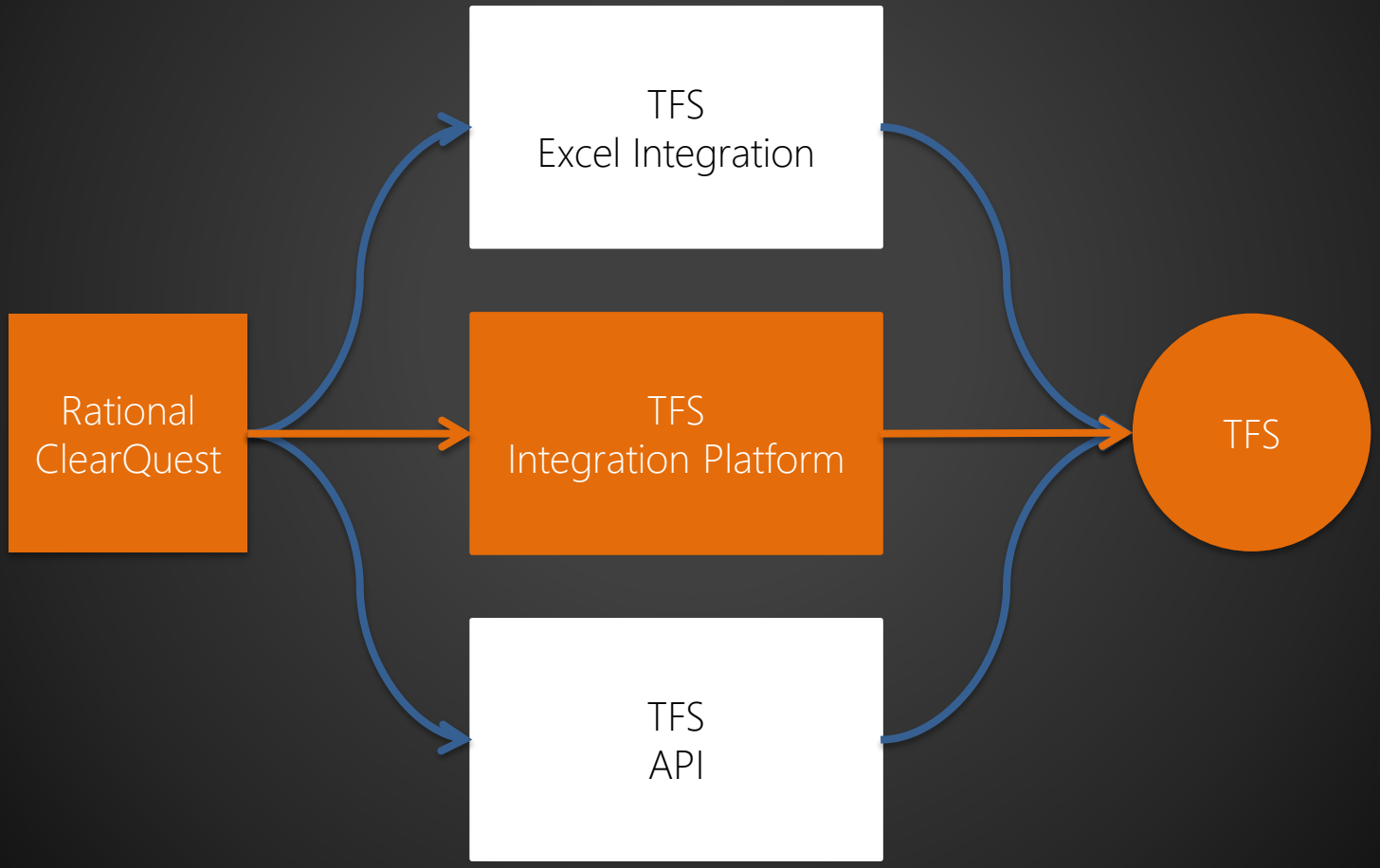
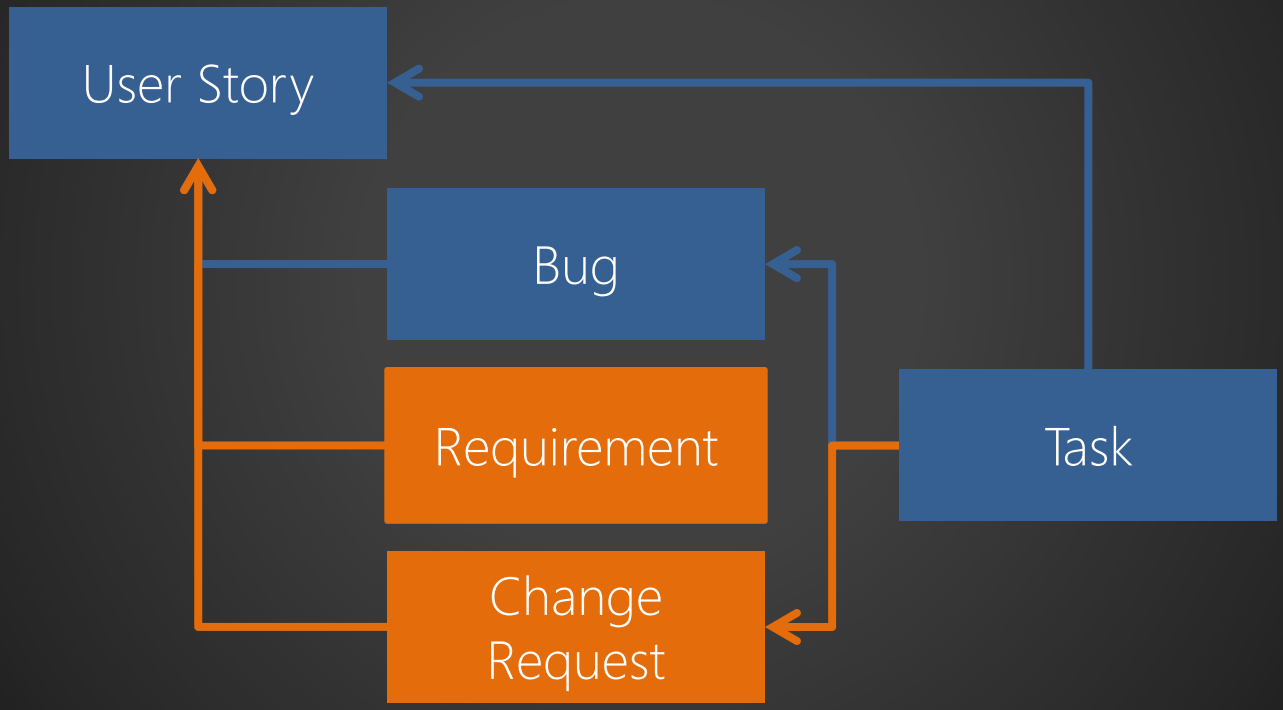
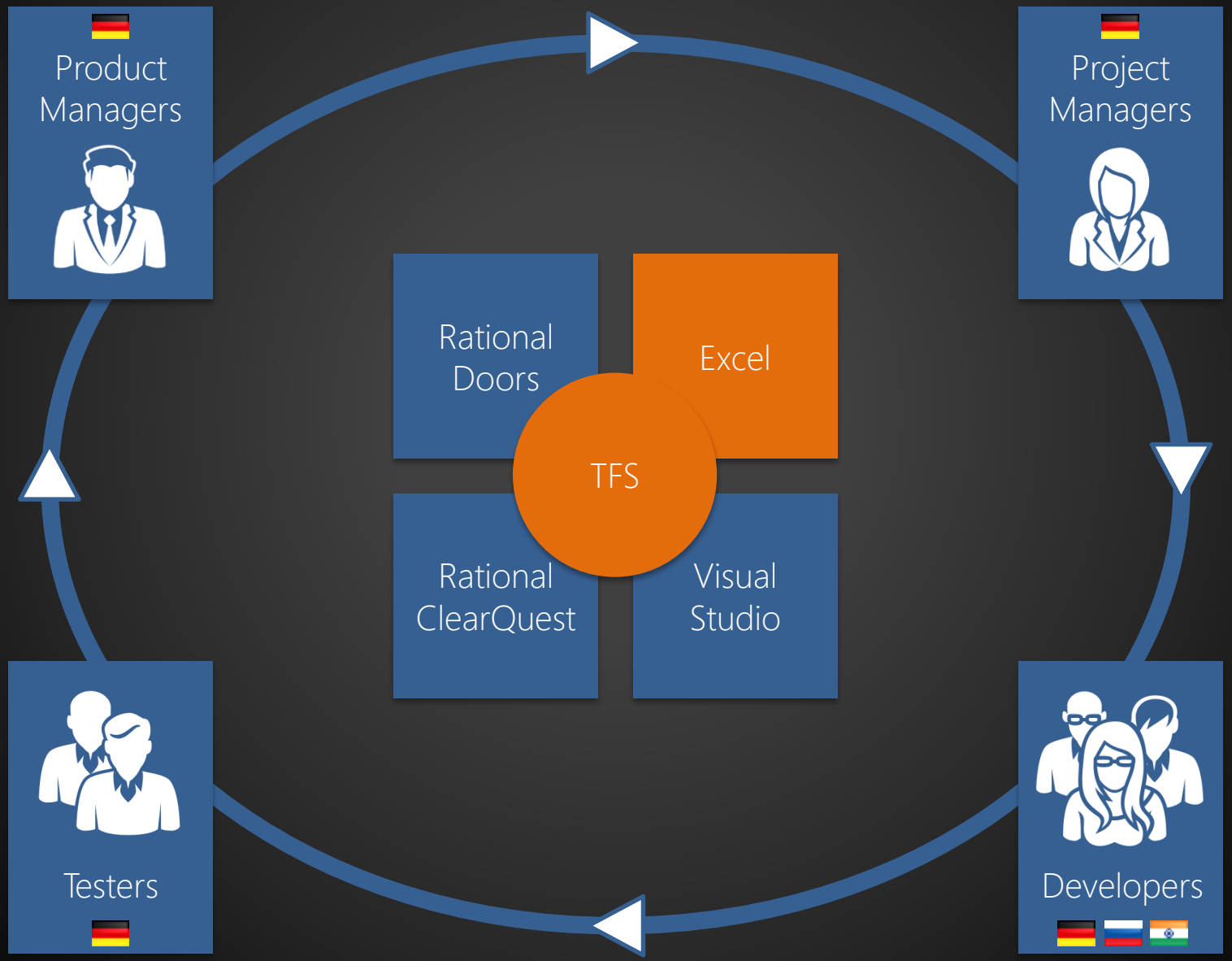


Work Items

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Why and how?

	Total	Not Assigned	Sprint 1		Sprint 2	
Iteration Path		\	\Feature1\Sprint1		\Feature1\Sprint2	
Start Date	01.06.2012		01.06.2012		01.07.2012	
End Date	30.08.2012		22.06.2012		30.07.2012	
Working Time	472 h		128 h		168 h	
	Original	Original	Availability	Original	Availability	Original
Lead Developer	140 h	0 h	125 h	100 h		40
Developer 1	95 h	0 h	100 h	95 h		0
Developer 2	150 h	0 h	100 h	110 h		4
Developer 3	40 h	0 h	50 h	8 h		42 h
Architect	16 h	0 h	50 h	16 h		0 h

Planning

Tracking

	Lead Developer	Developer 1	Developer 2	Developer 3	Architect			
Short ID	ld	dev1	dev2	dev3	ar			
Availability [h]	125 h	100 h	100 h	50 h	50 h			
Work vs. Availability								
Work vs. Workdays								
Original Estimate [h]	100 h	95 h	110 h	8 h	16 h			
Completed Work [h]	75 h	80 h	60 h	4 h	12 h			
Completion Status								
Remaining Work [h]	132 h	10 h	42 h	4 h	4 h			
Remaining Availability [h]	50 h	20 h	40 h	46 h	38 h			
Remaining Working Time [h]	128 h	128 h	128 h	128 h	128 h	128 h	128 h	128

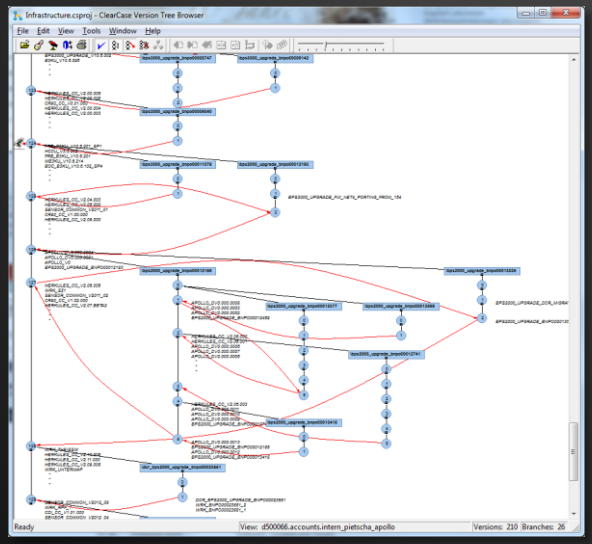
Summary

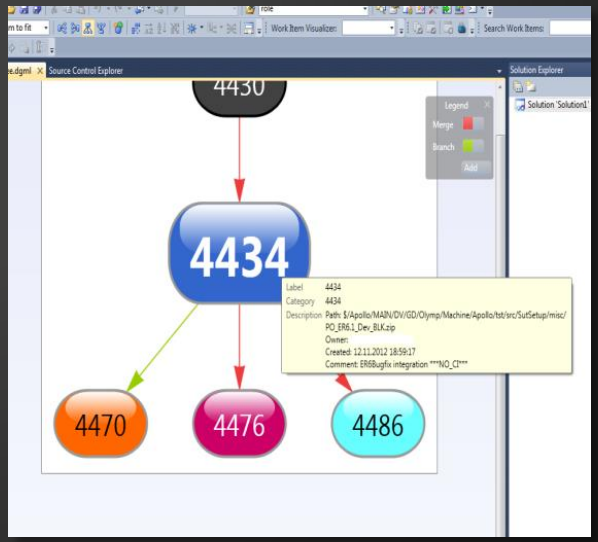
What users like

- Faster builds
- Improved development flow
- Gated check-ins enforce stability
- Collaboration with remote development sites

What users miss

- Version-Tree view from ClearCase
- Planning info
- Sprint info





Results of introduction

- Successful rollout as scheduled
- Low administration effort as expected
- Stable development environment
- Identified potentials covered by introduction
- Increase of efficiency achieved

Next steps

- TFS 2012 & VS 2012
- New features
- Customization
- Extend user base

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heute und morgen am Zühlke Stand

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