

Ecosystem Diagnose & Therapy

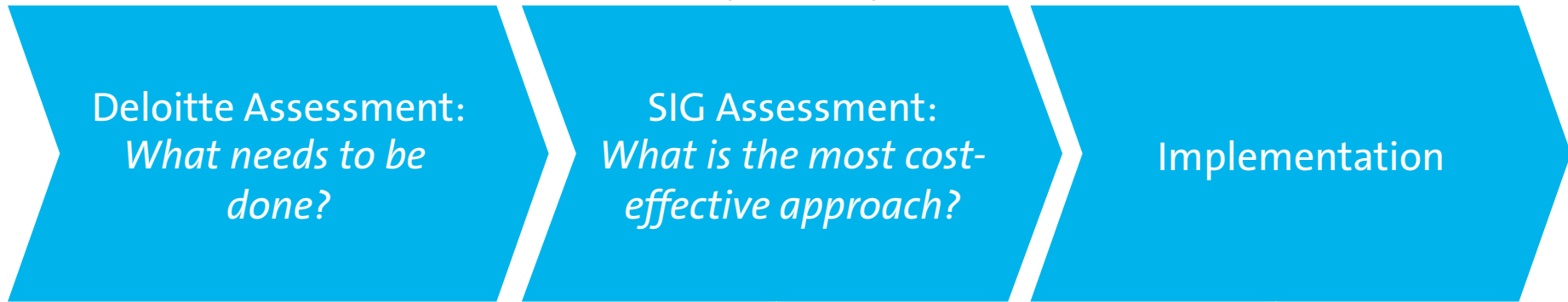
What needs to be done at which costs



Deloitte.



achmea 



Deloitte Assessment:
What needs to be done?

SIG Assessment:
What is the most cost-effective approach?

Implementation



Information about the quality of the landscape



Regular monitoring during implementation



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Software Improvement Group



Diagnosis and therapy of software by ‘Dr. Software’

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From objective measurements to risk profiles and quality ratings



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SIG/TÜViT quality model to aggregate measurements in a relevant way.



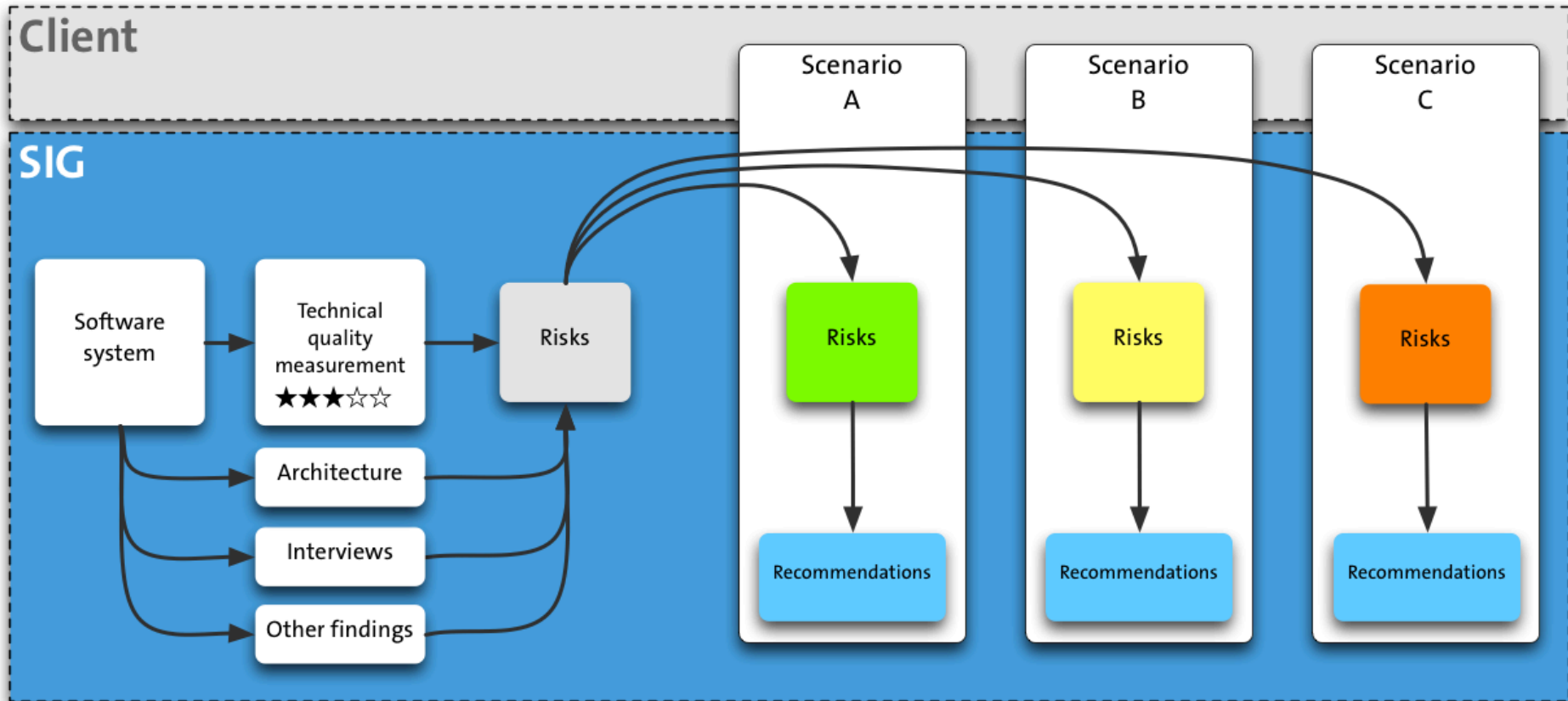
Detailed description of quality model and evaluation criteria: <http://sig.eu/en/certification>.

Software Risk Economics & Quality

Scenarios, risks and recommendations



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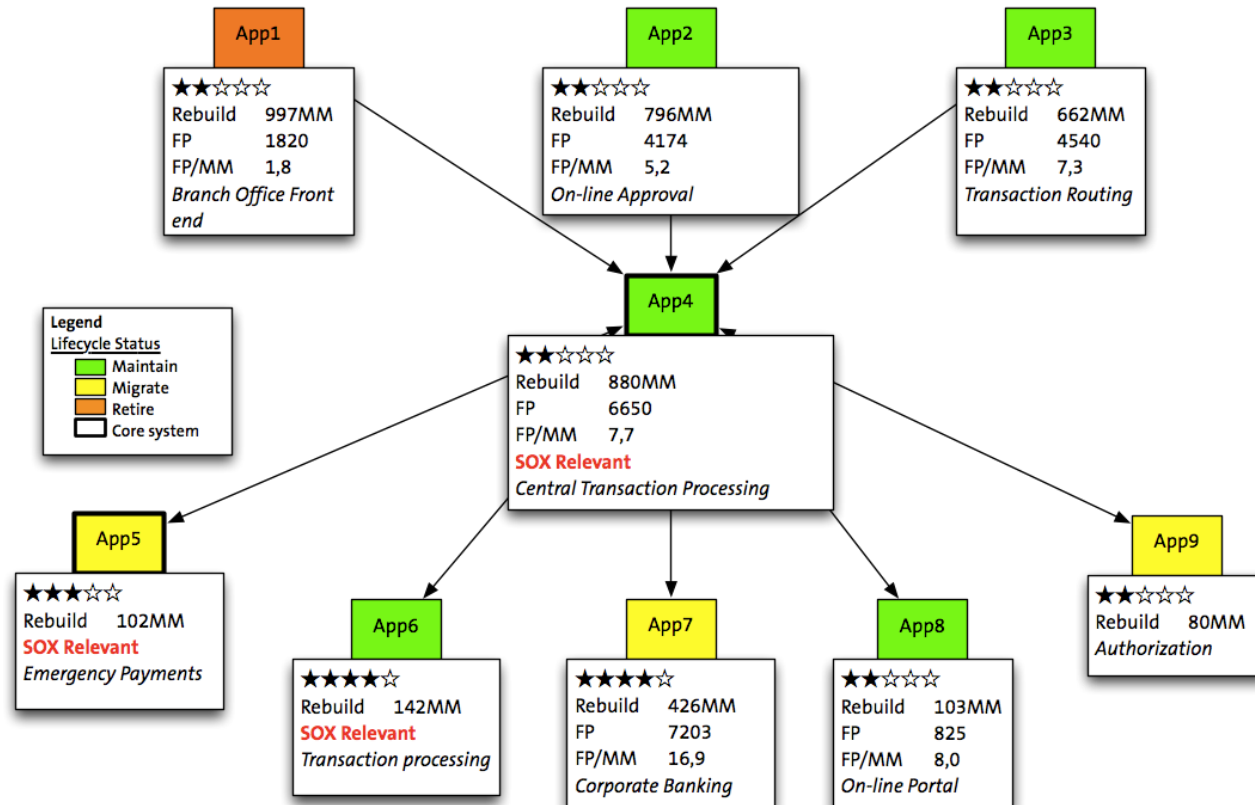


Full Portfolio Analysis and Optimisation



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Using technical analysis and application lifecycle information to support portfolio evolution decisions.



The monitor front page shows system quality and recent developments at a glance



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Apachecommons Software Monitor



Home | Maintainability dashboard | Metrics table | Compare snapshots | Violations | Duplication | Dependency Matrix | Documentation | Logout

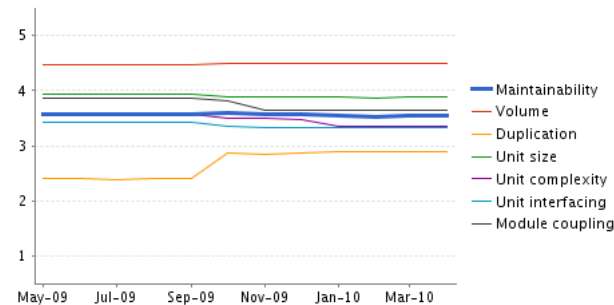
Apachecommons on 01 Apr, 2010



System properties

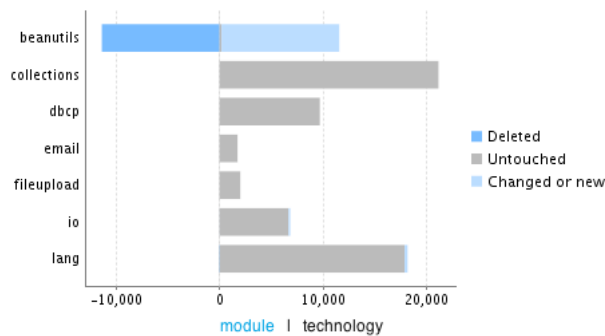
- Volume ★★★★★ 4.5
- Duplication ★★★★★ 2.9
- Unit size ★★★★★ 3.9
- Unit complexity ★★★★★ 3.3
- Unit interfacing ★★★★★ 3.3
- Module coupling ★★★★★ 3.7

Technical Quality Goal

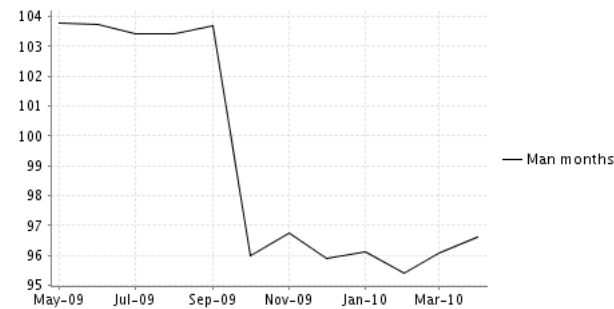


Events

Changes since 01 Mar, 2010



Volume



Maintainability violations

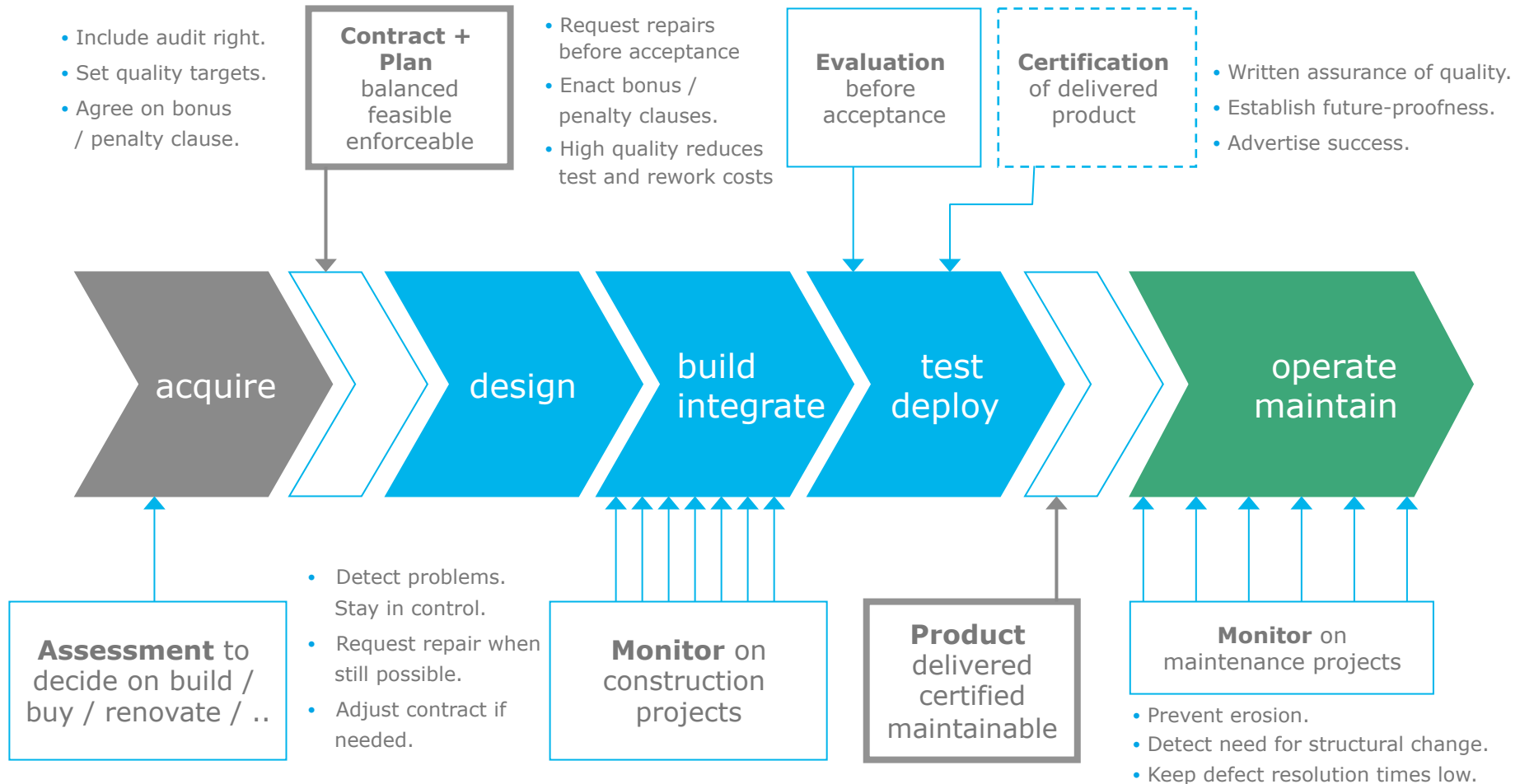
◀ Duplication: 967 violations (+10) ▶

Name	Value	Diff
WeakFastHashMap.java	82	82
FastHashMap.java	82	82
PoolingDriver.java	69	-
PoolingDataSource.java	69	-
Flat3Map.java	43	-

How services fit the full application lifecycle



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Questions?



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