Vincent Blondeau

Test Sucker

How to Convert Real Production Objects to Automated Test Cases?









A SWISS COMPANY

21 Years old

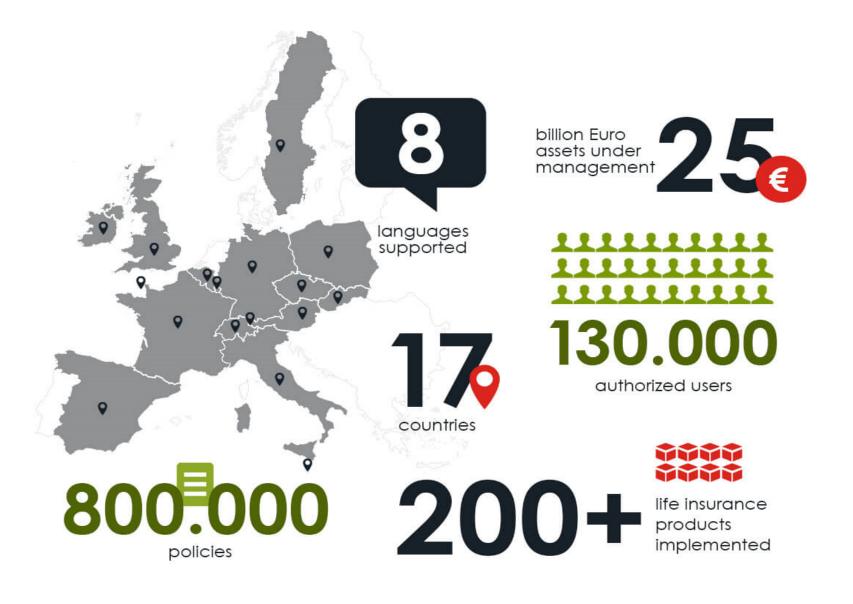
5 Founders are top management

60 Employees with strong methodology

Redundant datacenters

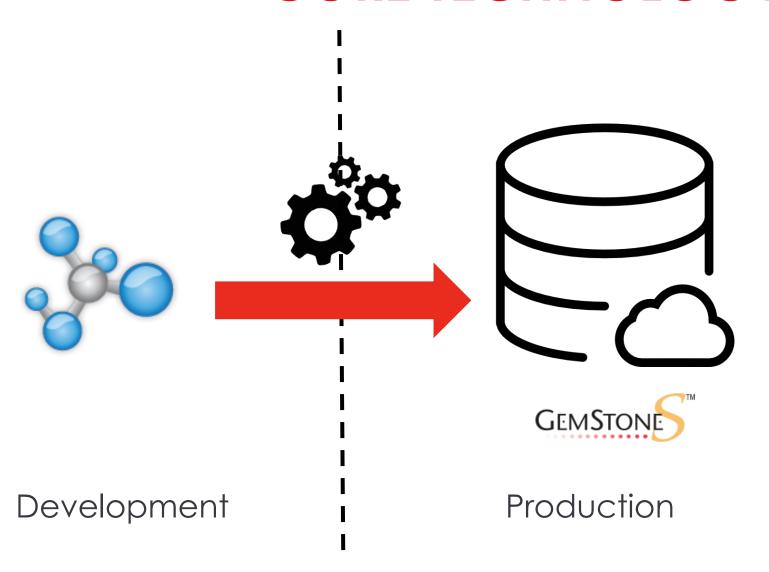






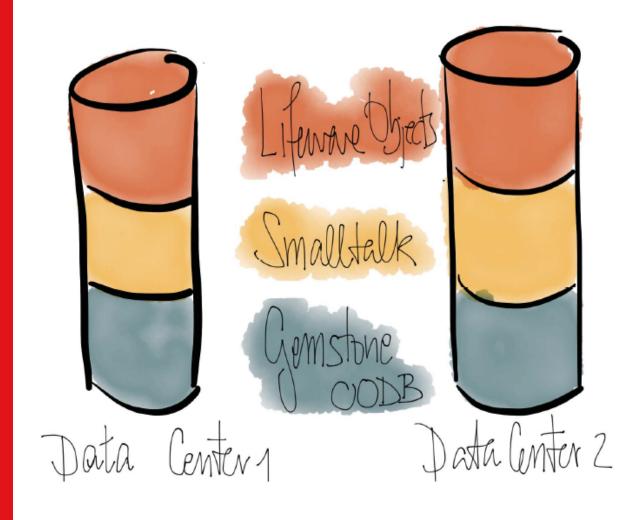


CORE TECHNOLOGY





OBJECTS ALL OVER



70 000 Classes

1 500 000 Methods

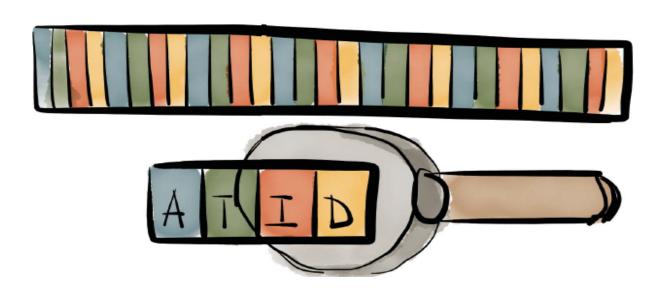
3 TB Persisted objects

EXTREME EFFICIENCY

Classic









AUTOMATIC TESTING

life is too short for manual tooking

Lifeware automated testing infrastructure

95 000 tests in the code base

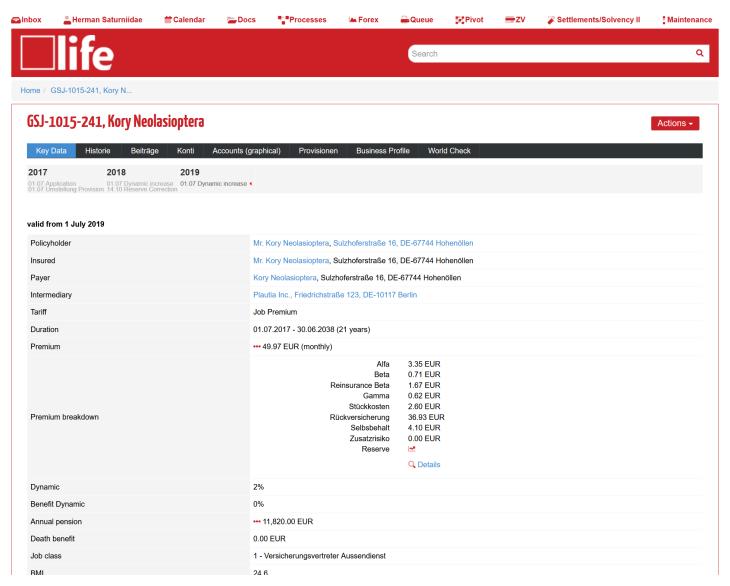
60 times a day all tests run

320 processors sustain our test environment

coverage informs about untested code



CONTRACT CENTRIC SYSTEM





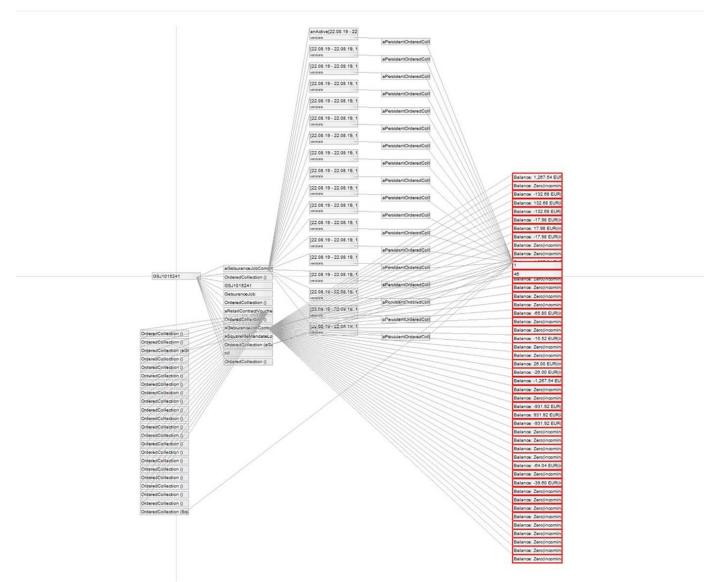
DEMO



OR BACKUP SLIDES...

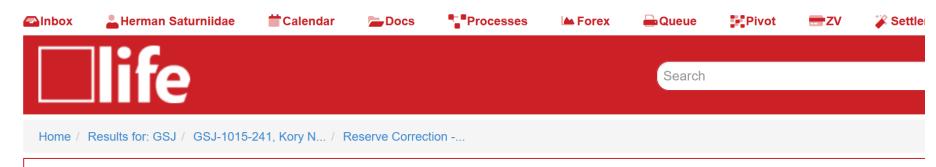


CONTRACT CENTRIC SYSTEM





CONTRACT TOOLS

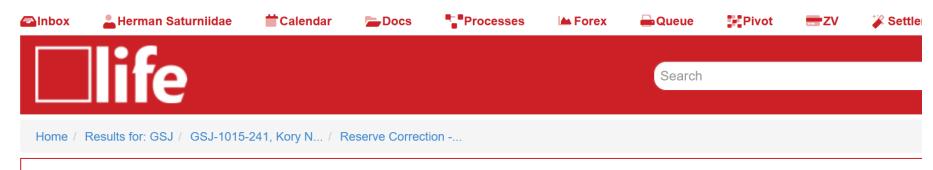


GSJ-1015-241, Kory Neolasioptera

Key Data Historie	Beiträge Konti Accounts (graphical) Provisionen	Business Profile World Check
Start - End	Event	Documents
03.06.19 - 03.06.19	Dynamic increase	
28.02.19 - 28.02.19	Umstellung Provision	
14.10.18 - 14.10.18	Reserve Correction	
16.06.18 - 16.06.18	Dynamic increase	▶
20.06.17 - 20.06.17	Application	▶ 000000000



CONTRACT TOOLS



GSJ-1015-241, Kory Neolasioptera

Key Data	Historie	Beiträge	Konti	Accounts (graphical)	Provisionen		Business Profile	World Check	
Start - End		Event					Documents		
03.06.19 - 03.06	5.19	Dynamic	c increase			•			
28.02.19 - 28.02	2.19	Umstellı	ing Provisi	on					
14.10.18 - 14.10).18	Reserve	Correction	1					
16.06.18 - 16.06	5.18	Dynamic	c increase			•	a b		
20.06.17 - 20.06	5.17	Applicat	ion			•	000000		



CONTRACT TOOL

Dynamic increase - GSJ-1015-241, Kory Neolasioptera

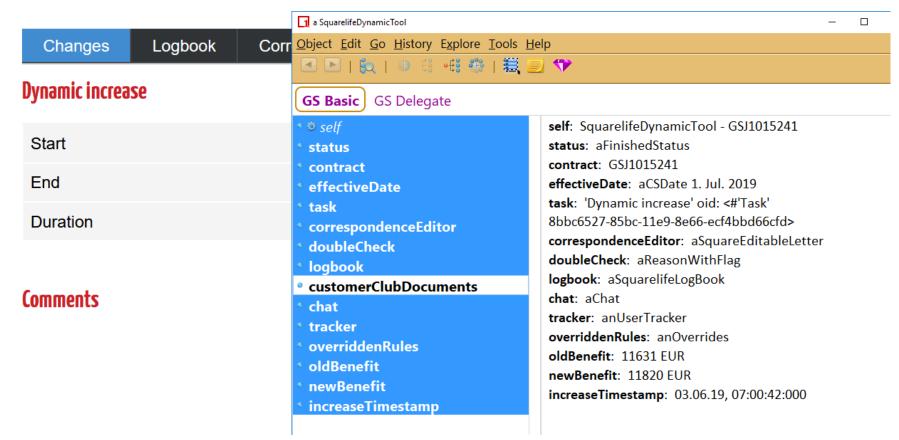
Changes	Logbook	Correspondence	Documents	Documentstree	Upload
Dynamic increa	se				
Start				Monday, 03.06.2019, 0	7:00:45, k.A.
End				Monday, 03.06.2019, 0	7:00:42, k.A.
Duration				23 hours, 59 minutes, 5	7 seconds

Comments



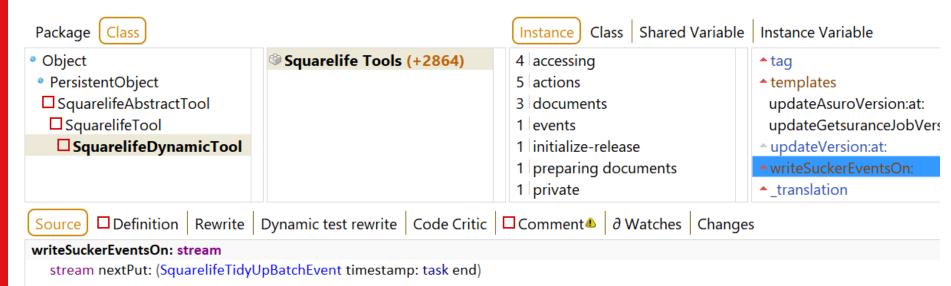
CONTRACT TOOL

Dynamic increase - GSJ-1015-241, Kory Neolasioptera



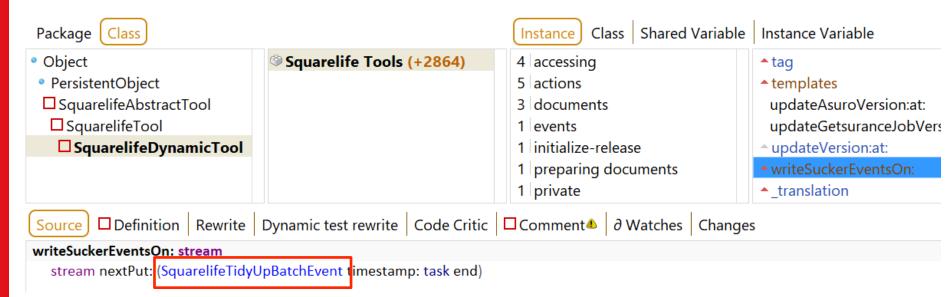


TEST SUCKER METHODS



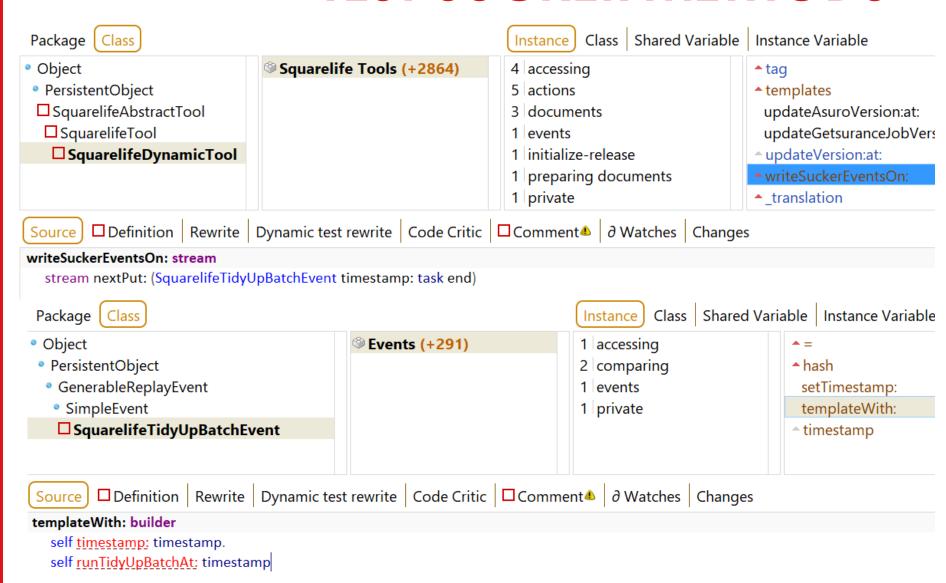


TEST SUCKER METHODS





TEST SUCKER METHODS



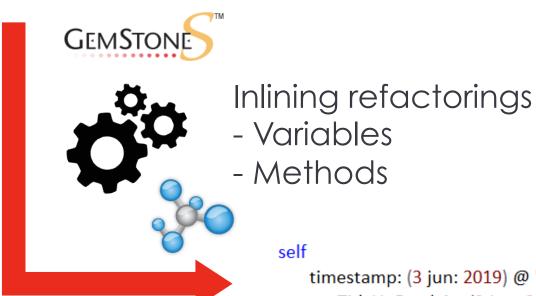


CONVERSION TO TEST

templateWith: builder

self <u>timestamp</u>: timestamp.

self runTidyUpBatchAt: timestamp



timestamp: (3 jun: 2019) @ '07:00:42.000';

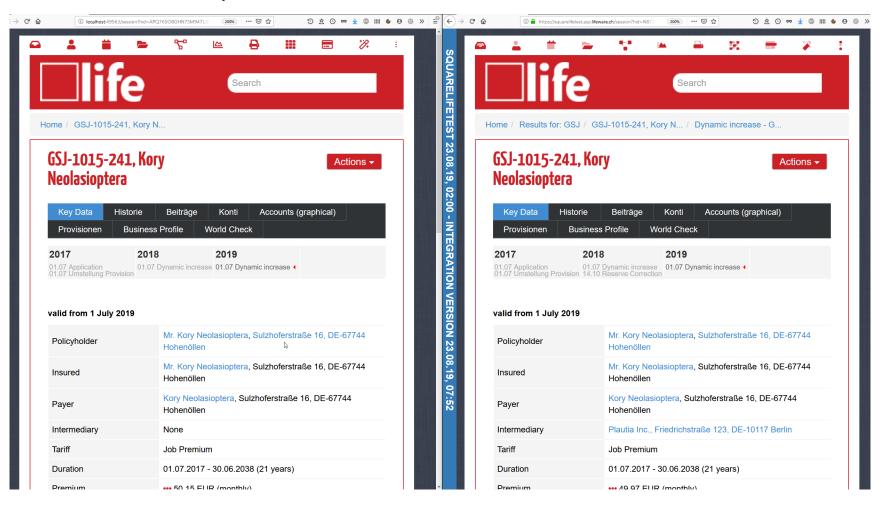
runTidyUpBatchAt: (3 jun: 2019) @ '07:00:42.000'



TEST SUCKED

Development

Production





END OF DEMO BACKUP SLIDES



LIMITATIONS

Test sucker

does not handle manual changes

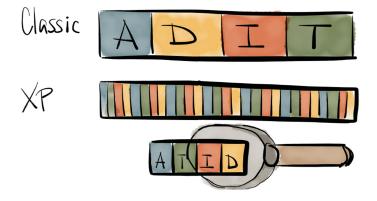
templateWith: builder

- has to be implemented for each tool
- may become tedious

```
self testcase timestamp: self timestamp.
builder newApplicationNamed: application contract policyNumber
    currency: application version currency.
(builder application)
    policyholder: (builder partnerWithEmail: application policyholder email);
    insured: (builder partnerWithEmail: application insured email);
    broker: builder client broker3A:
    channel: builder client brokerC4C:
    origin: application version origin;
    plan: application version plan;
    initialCredit: application version initialCredit;
    creditAmortizationDuration: application version creditAmortizationDuration;
    creditRate: application version creditRate;
    currency: application version currency;
    deathCoverage: true;
    additionalCoverages: application version additionalCoverages;
    generalCondition: application version generalCondition.
(builder application)
    apply;
    putInForceAt: application task end by: builder martaGiorgetti
```

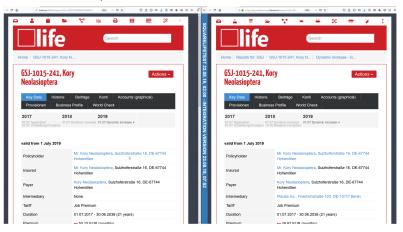


EXTREME EFFICIENCY

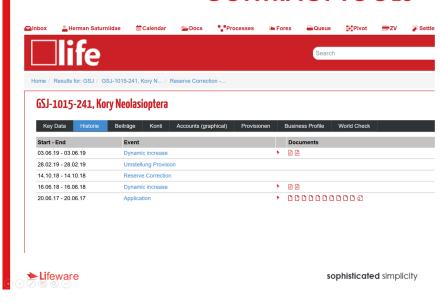


TEST SUCKED

Development Production



CONTRACT TOOLS



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We are looking for innovative problem solvers!





Join us to

- Solve real world problems
- Design innovative solutions
- Transition to Pharo

hresource@lifeware.ch

