

Acceptancetests in CSS-environment

Luzern, 10. März 2021

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INTERN

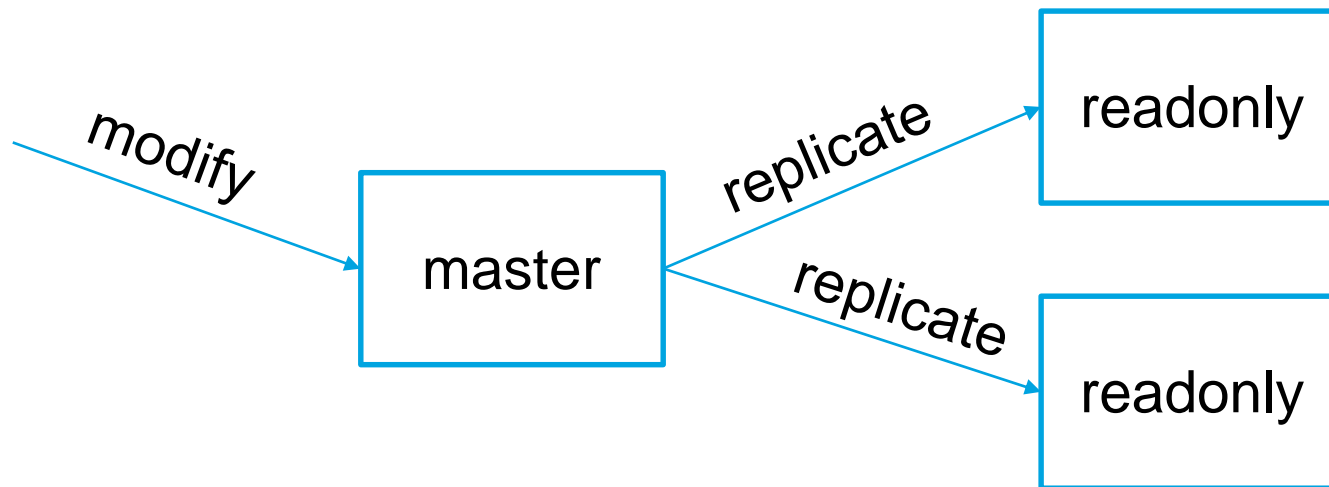
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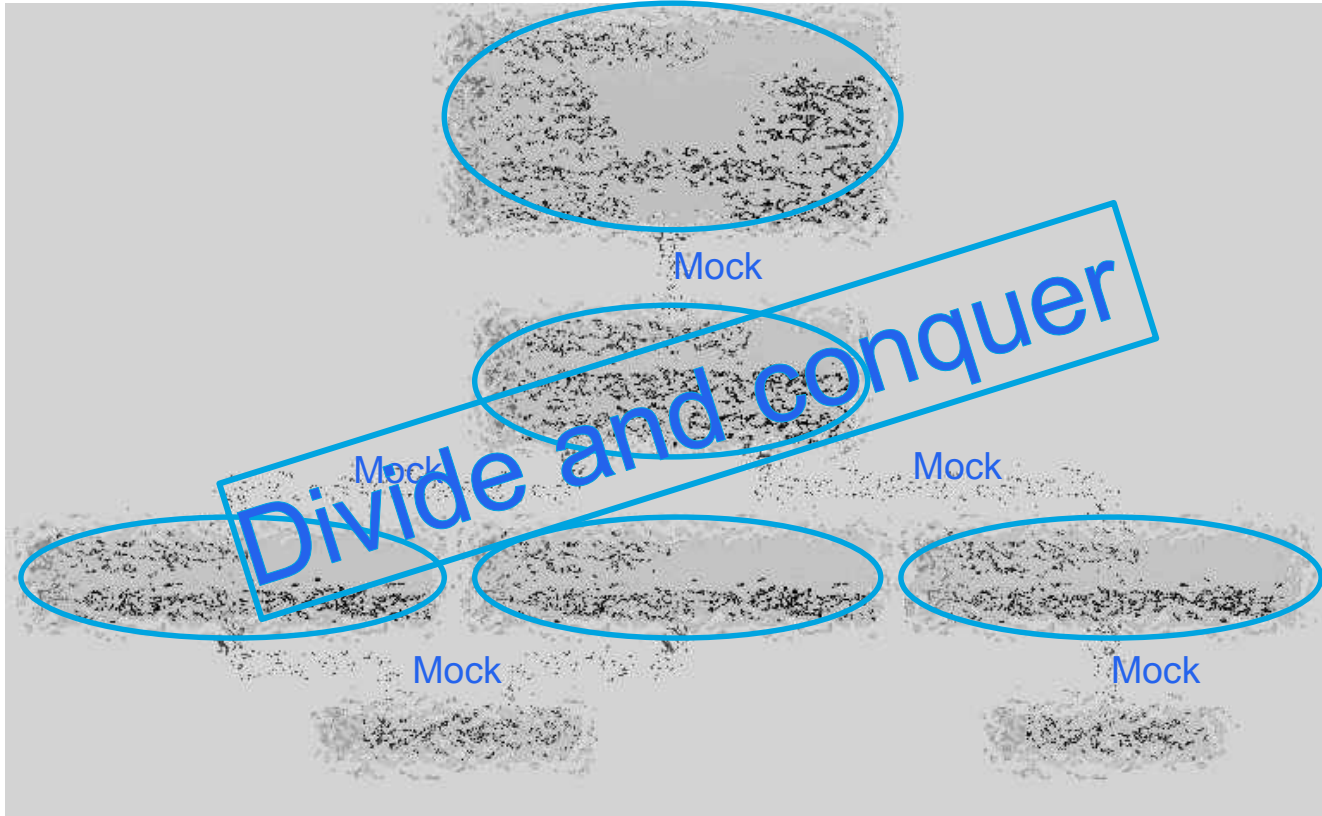


Usecase (person has moved to new address)

- Master-system (read and write)
- Readonly-system
- The address in the master-system has changed
- Readonly-system has to be updated
- All addresses of the person has to be replicated (selfhealing)



Existing test-focus



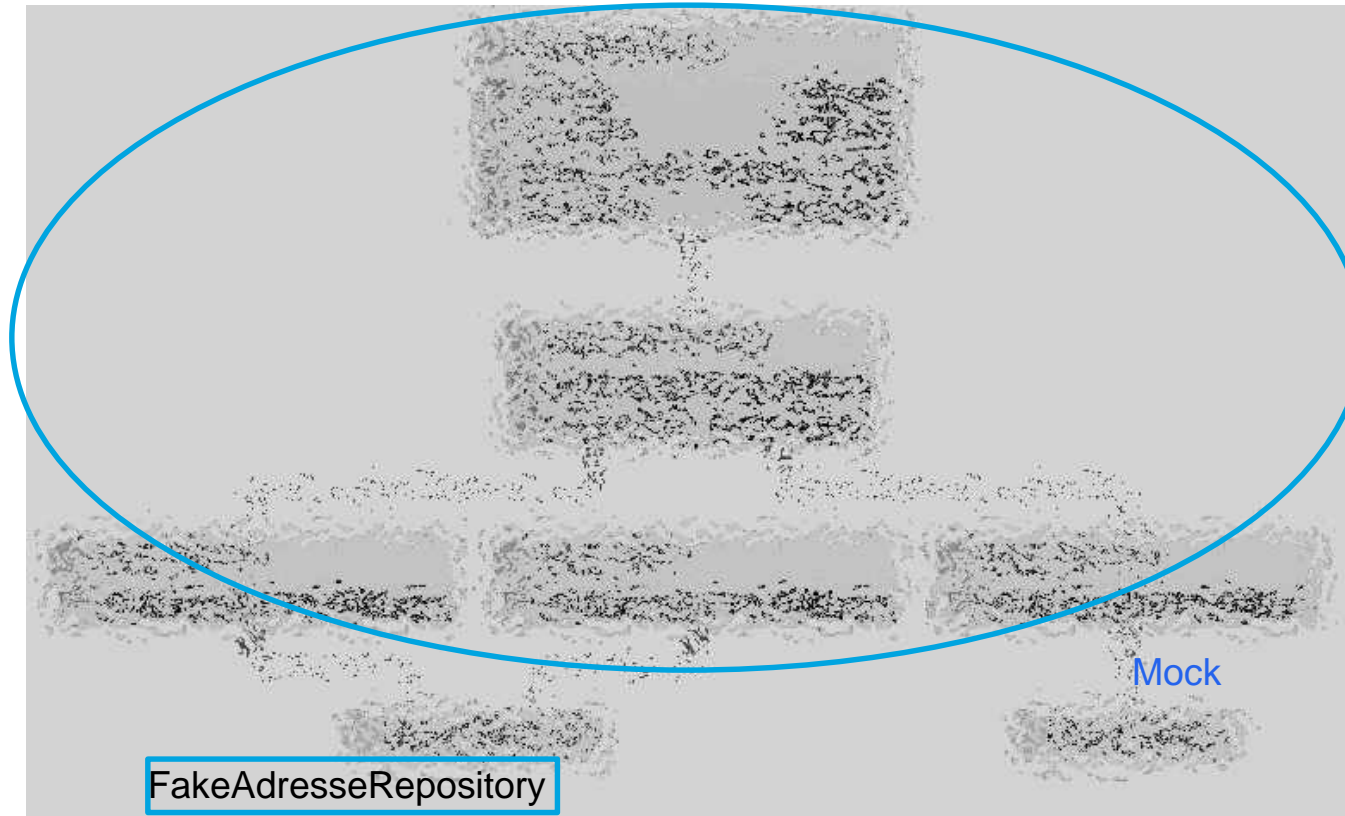
Acceptance

- Person lived at Wankdorffeldstrasse 83, 3014 Bern since beginning (01.01.1900)
- Person lives new at Hochhüsliweid 6, 6006 Luzern since 1.2.2021
- Both addresses have to be replicated (daterange has changed)
- ChangedEvent is sent by master-system

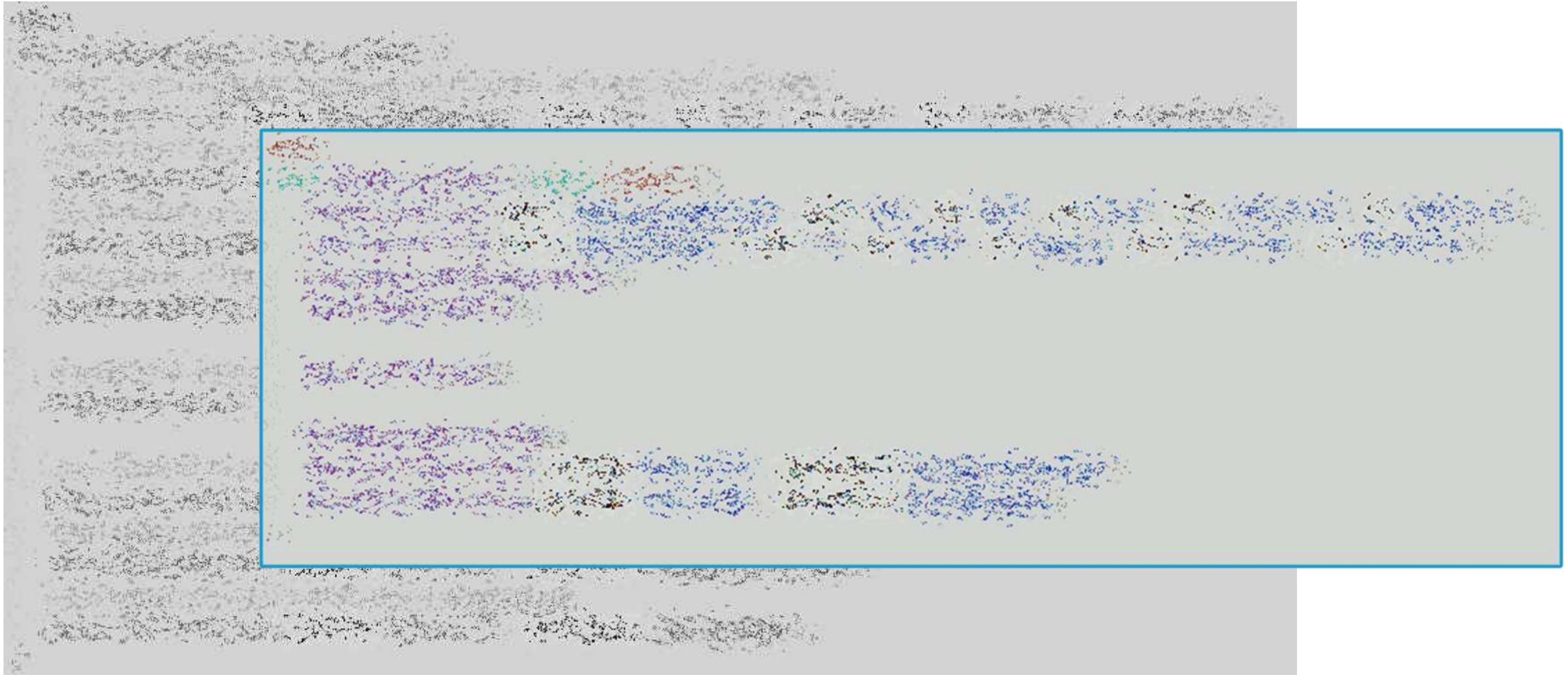
- ChangedEvent received

- Both addresses are persisted
- Read address with date 31.1.2021 returns Wankdorffeldstrasse
- Read address with date 1.2.2021 returns Hochhüsliweid

Acceptance test-focus



Main test



setUp



Challenge 1: CDI

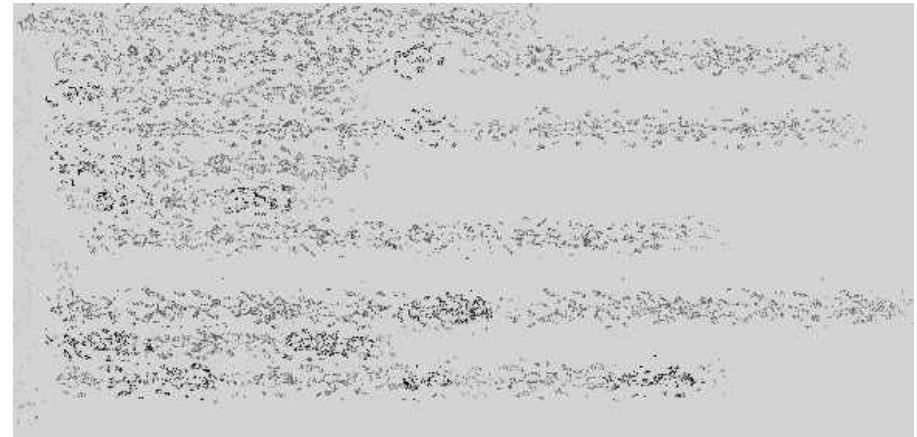
- Concrete classes are seldom directly instantiated
- 1. Try
 - Leave code nearly unchanged
 - Use `new` instead of `@Inject`
 - Examples looked simple, as always
- 2. Try
 - Leave code nearly untouched
 - Add `@NoArgsConstructor` and `@AllArgsConstructor`



Challenge 2: Generated interface dtos

- Generated dtos have no equals-implementation

- when(adresQuery
.readAdresse(argThat(a -> a.getAdressNr().equals(ADRESS_NR))))
.thenReturn(adressen);



- when(adressQuery
.readAdresse(any(ESReadAdresseInContainer.class)))
.thenReturn(adressen);

- when(adressQuery
.readAdresse(argThat(a -> a.getAdressNr().equals(ADRESS_NR))))
.thenReturn(adressen);

Conclusion

- First thought, it will be very complex
- It would be sexy, if weld had worked
- With lombok it is easy to add constructors without code looks messy
- The setUp looks a bit messy
- but I think, it is easier to mix fakes, mocks and mockito without weld





Links

- <https://github.com/weld/weld-junit/blob/master/junit5/README.md>
- Images und Icons
 - <https://www.pngjoy.com/>
 - Contentimage: <http://www.acceptingevangelicals.org/>

THANK
YOU!

