

Upsource IDE



What we have

- Code-browser backed by IntelliJ IDEA
- Code-review in it
- Inspections
- Analytics



Upsource

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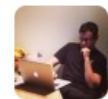
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Compact

Full

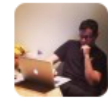


master

warn if base commit was found too far away

e9346a1

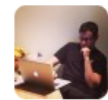
Eugene Petrenko authored an hour ago



do not wake INDEX cluster up on dummy event

4a0a621

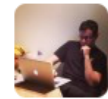
Eugene Petrenko authored an hour ago



Merge remote-tracking branch 'origin/master'

26eff0a

Eugene Petrenko authored an hour ago



select base revision as min effective time delta in case search failed + test

753ea6a

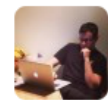
Eugene Petrenko authored an hour ago



add logging

7194f35

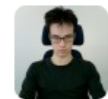
Eugene Petrenko authored an hour ago



support enforceOrder mode for Commits Cluster + tests

30b7578

Eugene Petrenko authored 2 hours ago

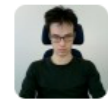


new-spam

Merge branch 'master' into new-spam

e548539

Andrey Zaytsev authored 3 hours ago



on UP-CR-146



ed3e5a4

Andrey Zaytsev authored 3 hours ago



revisions list wd tests fixed.

11dee72

ReviewsTable.java, revision 6936443 in upsource:



Evgeny Pasyukov

2 months ago

@Maxim Podkolzine IMHO тут нужен message bus



Andrey Zaytsev

3 hours ago

+1 причем не тут, а выше, в ReviewManager



Maxim Podkolzine

an hour ago

Я тоже согласен. Только после того, как я перешел на message bus в ReviewManager, выяснилось, что event'ы невозможно тестировать, они создаются в другом потоке. В нашем проекте я не нашел ни одного использования message bus в тестах. Собственно, поэтому и отложил.

Review UP-CR-146: do not overwrite existing review if review id counter is broken in upsource:

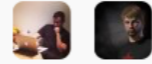


Leonid Sheluyev

4 days ago



BaseRevisionCalculator.java



Code

Annotate

History

```
19  /**
20   * Created 05.12.13 19:02
21   *
22   * @author Eugene Petrenko (eugene.petrenko@jetbrains.com)
23   */
24  public abstract class BaseRevisionCalculator extends ImportBase {
25      private static final Logger Log = LoggerFactory.getLogger(BaseRevisionCalculator.class);
26
27      private final VcsClient myVcsClient;
28
29      public BaseRevisionCalculator(@NotNull final UpsourceApplicationEnvironment ae,
30                                  @NotNull final VcsClient vcsClient) {
31          super(ae);
32          myVcsClient = vcsClient;
33      }
34
35      @Nullable
36      protected abstract Integer threshold(@NotNull RevisionId id,
37                                           @NotNull ImportProjectDriver driver);
38
39
```

Usages of **BaseRevisionCalculator(UpsourceApplicationEnvironment, VcsClient)** (in com.jetbrains.upsource.backend.cli.stages.driver.BaseRevisionCalculator) in revision **e9346a1**



— done, found 2 usages

▼ /backend/.../impl/VcsContentsBaseRevisionCalculator.java

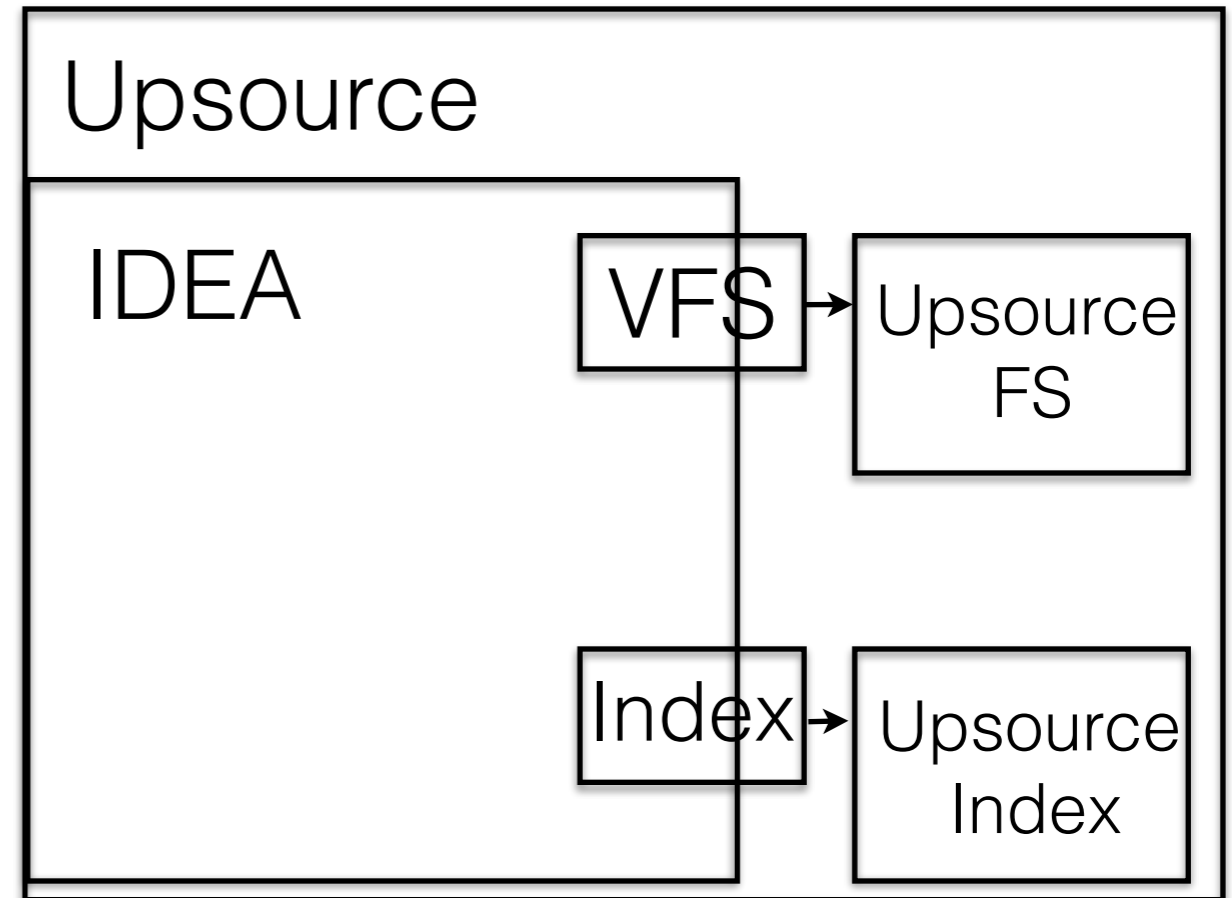
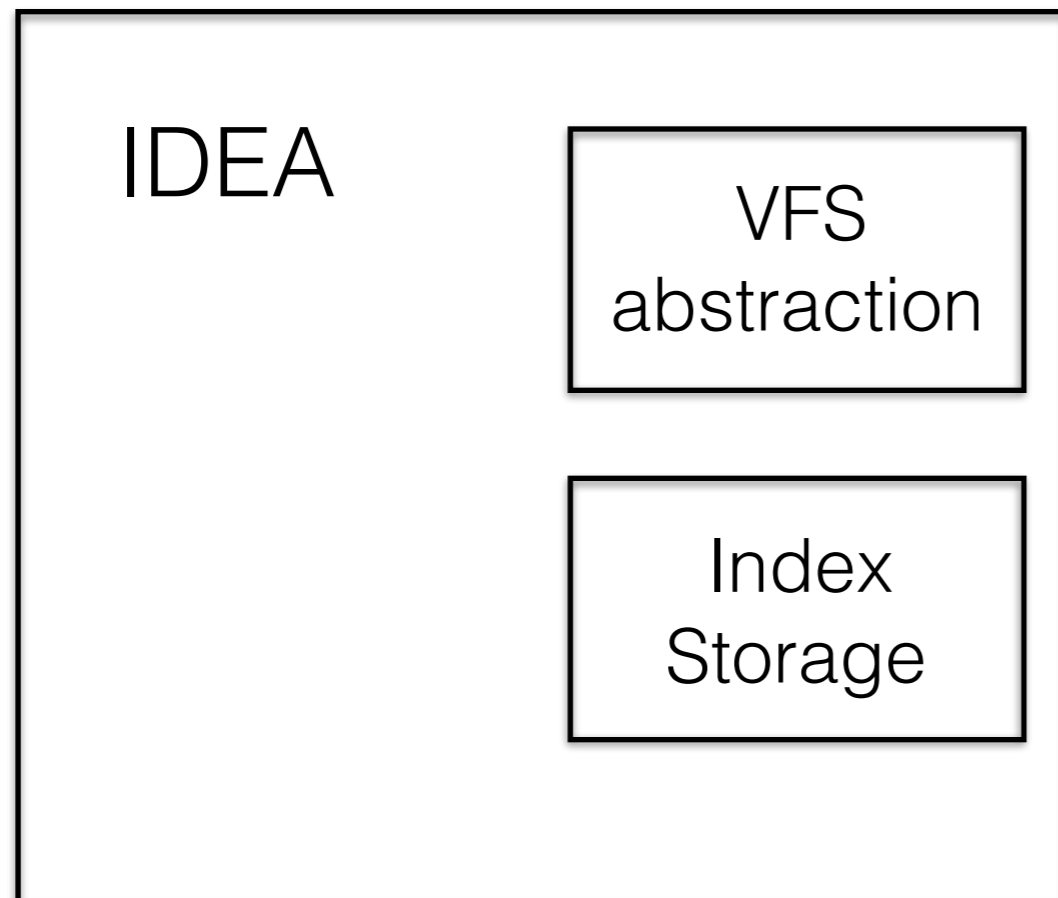
27: **super**(ae, vcsClient);

▼ /databaseTests/.../importProject/ImportProjectBaseRevisionCalculatorTest.java

141: final BaseRevisionCalculator calc = new **BaseRevisionCalculator**(getApplicationEnvironment(), MOCK_VCS_CLIENT) {

Under the hood

- Distributed incremental filesystem
- IDEA indexes storage



- Upsource FS and Upsource Index are backed by distributed no-sql storage (Cassandra, Hypertable)
- Upsource itself is distributed (as many db and backend instances as we want)

What IDE is

- Code Editing

We have working prototype of web-based editor which uses IntelliJ IDE-features (inspections, completion, intentions, refactorings, etc)

- Build-system
- Run/Debug/Test subsystem

Tasks

1. Mount Upsource FS as local filesystem
2. Run Compiler on it
3. Run and Debug IDEA Run-Configurations
4. Pack it all in docker-container
5. Run on distributed agents cloud (we have TeamCity CI for that)

Upsource FS

1. Implement write-support on it. This allows us to:
 - share class-files
 - share compiler-caches for fast incremental build
 - any kind of code-generation support

Requirements

- Strong Java experience
- A kilotons of code in IDEA to understand and patch
- Linux hacking

Contacts

- andrey.zaytsev@jetbrains.com
- JetBrains Universe office