

TEST INTELLIGENCE

for and with the Robot Framework

Elmar Juergens



@ElmarJuergens



@elmar

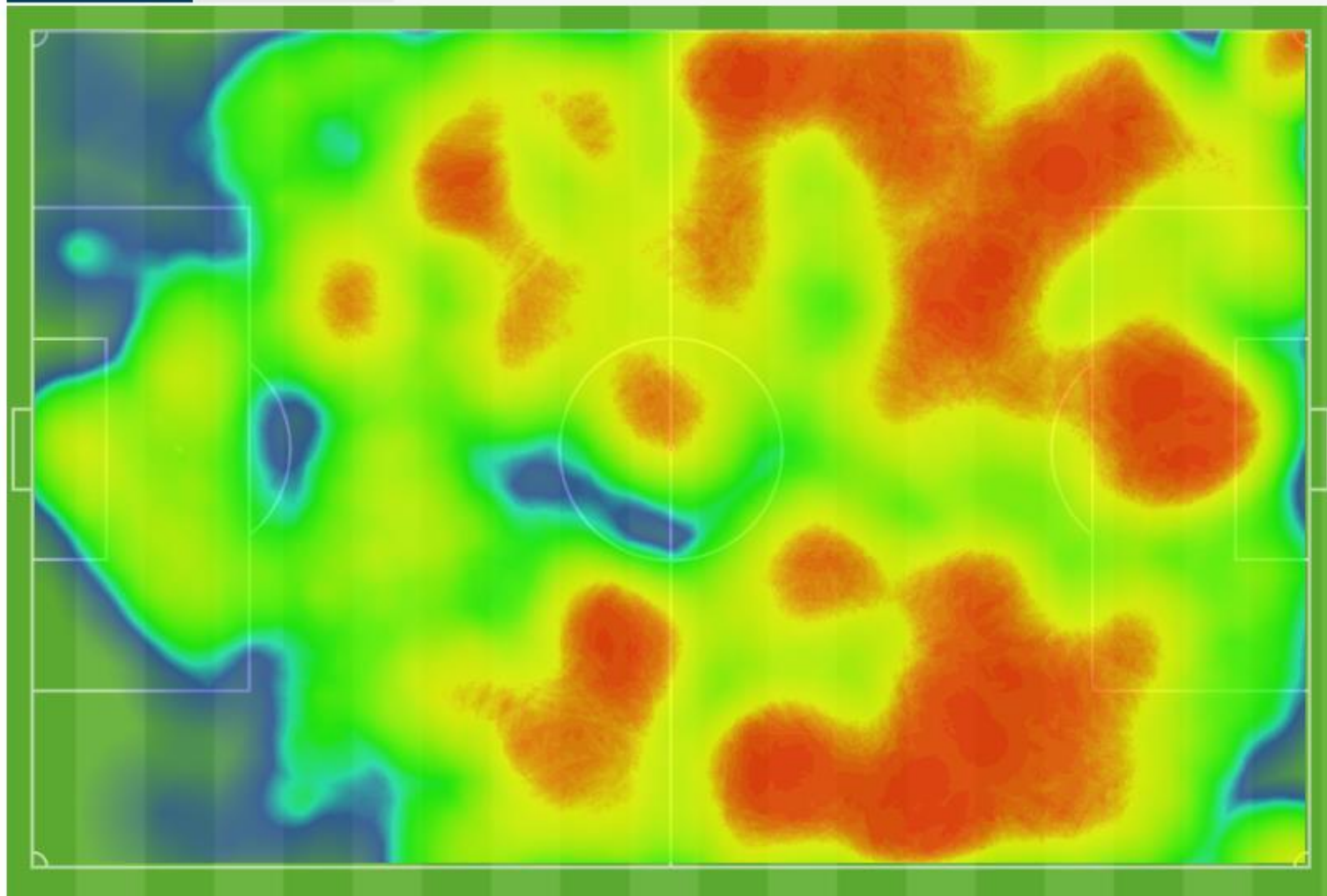
RBCN22



FC Bayern München

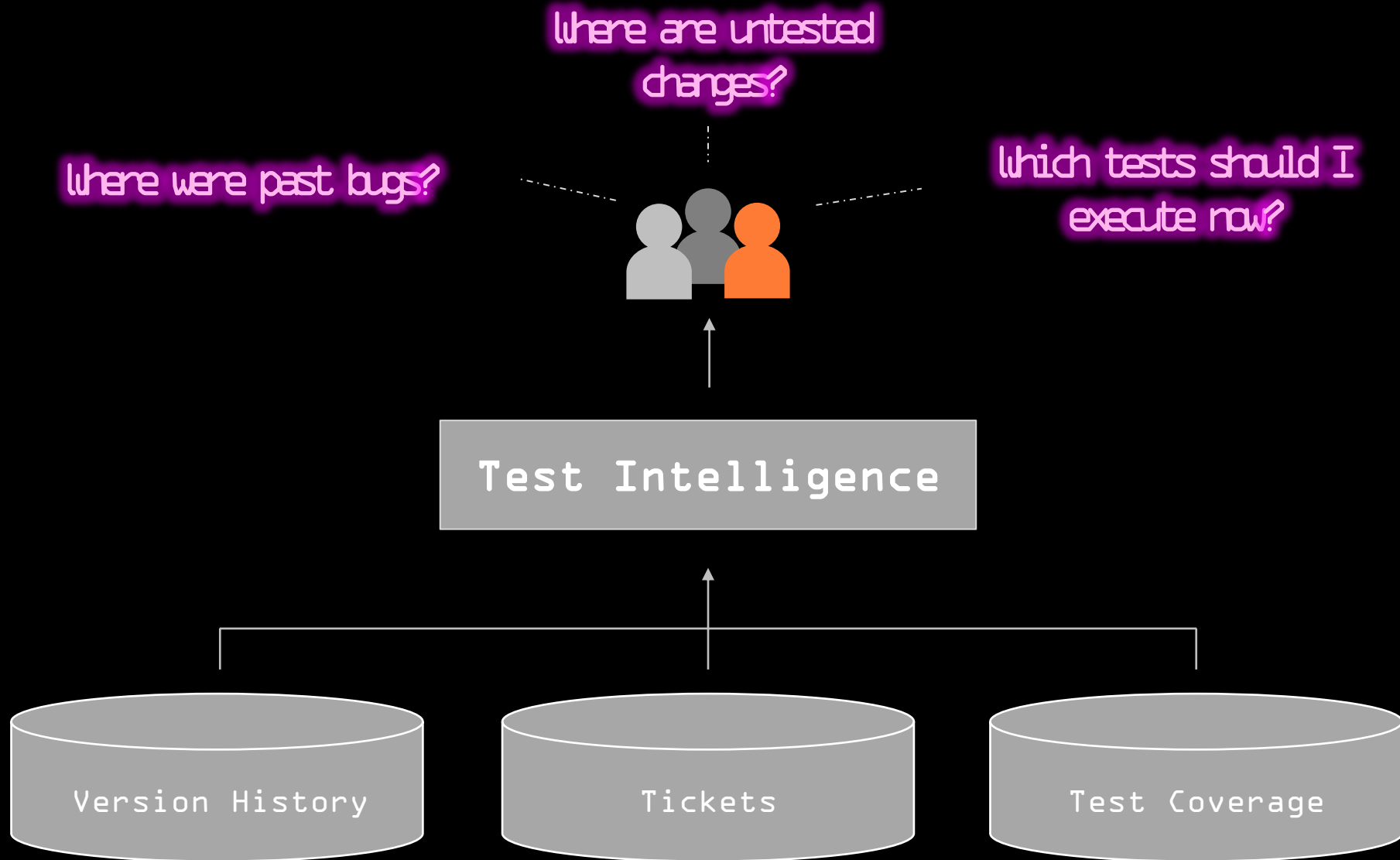
- FC Bayern München
- TW 1 Manuel Neuer
- AW 21 Lucas Hernández
- AW 5 Benjamin Pavard
- AW 4 Niklas Süle
- AW 27 David Alaba
- MF 29 Kingsley Coman
- MF 10 Leroy Sané
- MF 25 Thomas Müller
- MF 6 Joshua Kimmich
- MF 18 Leon Goretzka
- ST 13 Eric Maxim Choupo-Moting
- Einwechselfspieler
- 17 Jérôme Boateng
- 19 Alphonso Davies

Heatmap Touchmap



Paris Saint-Germain

- Paris Saint-Germain
- TW 1 Keylor Navas
- AW 5 Marquinhos
- AW 31 Colin Dagba
- AW 22 Abdou Diallo
- AW 3 Presnel Kimpembe
- MF 23 Julian Draxler
- MF 27 Idrissa Gueye
- MF 10 Neymar
- MF 15 Danilo Pereira
- MF 11 Ángel Di María
- ST 7 Kylian Mbappé
- Einwechselfspieler
- 25 Mitchel Bakker
- 18 Moise Kean
- 21 Ander Herrera
- 12 Rafinha

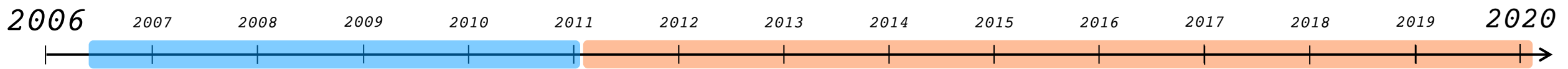


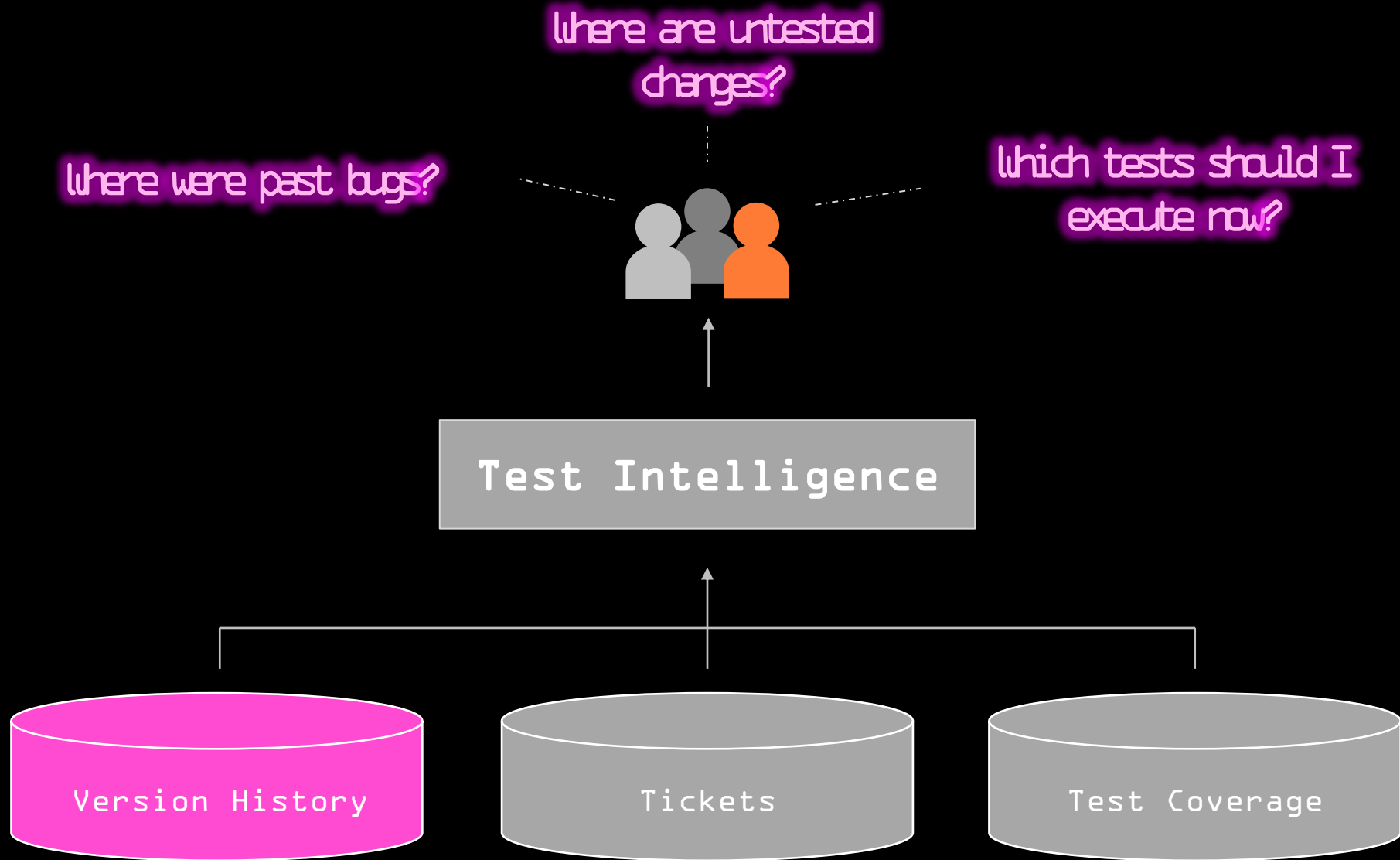


TUM

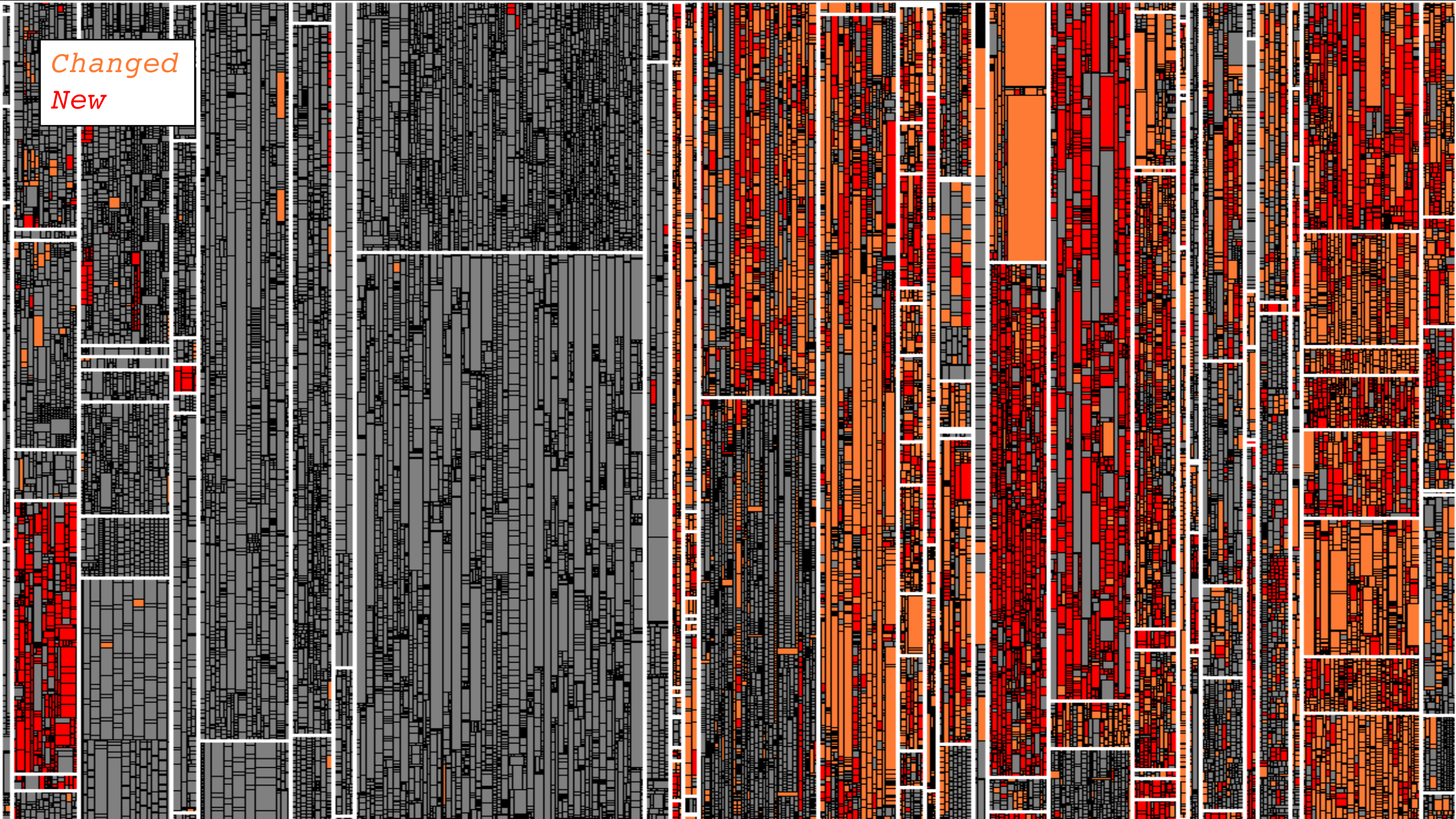


CQSE

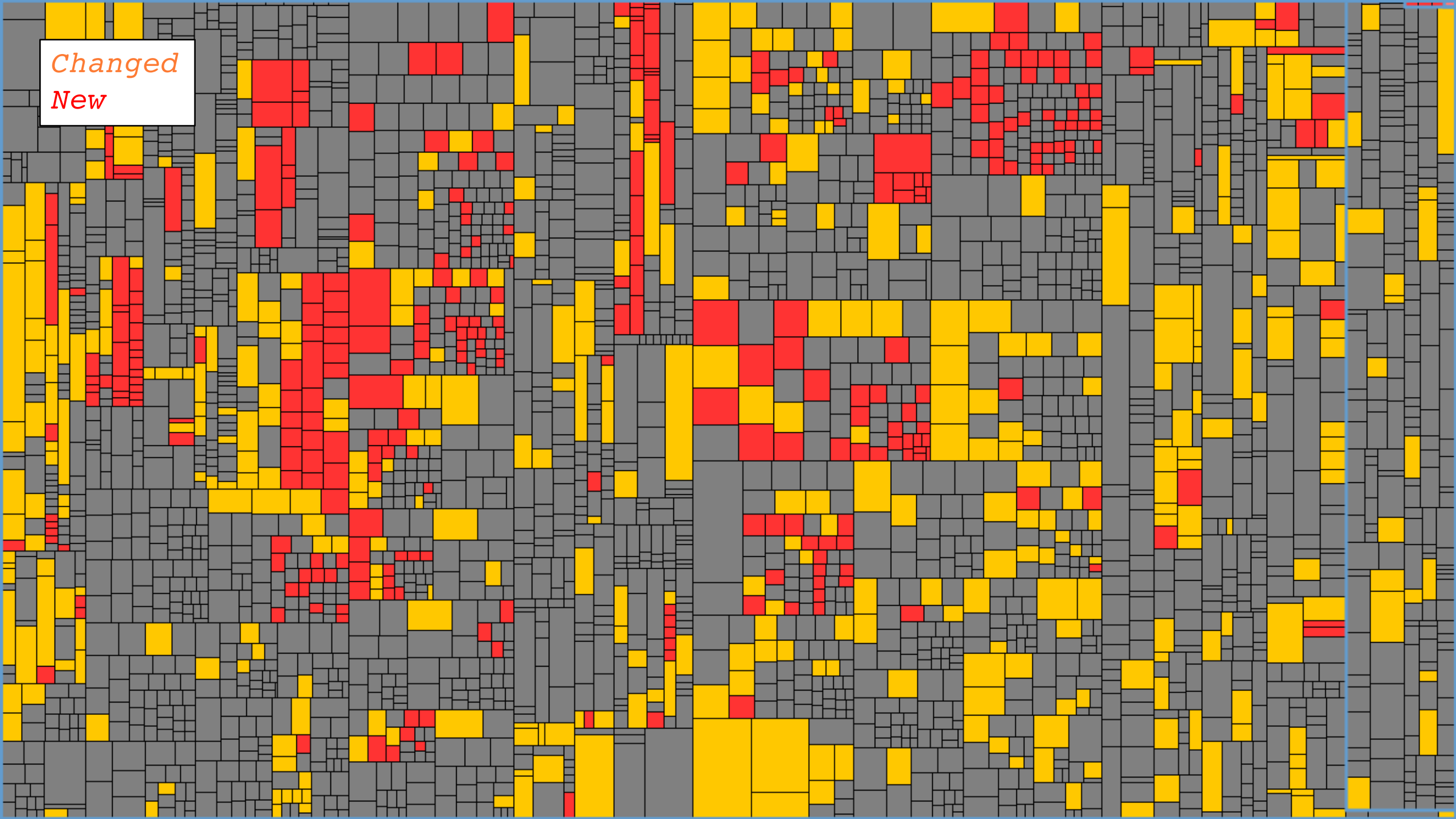


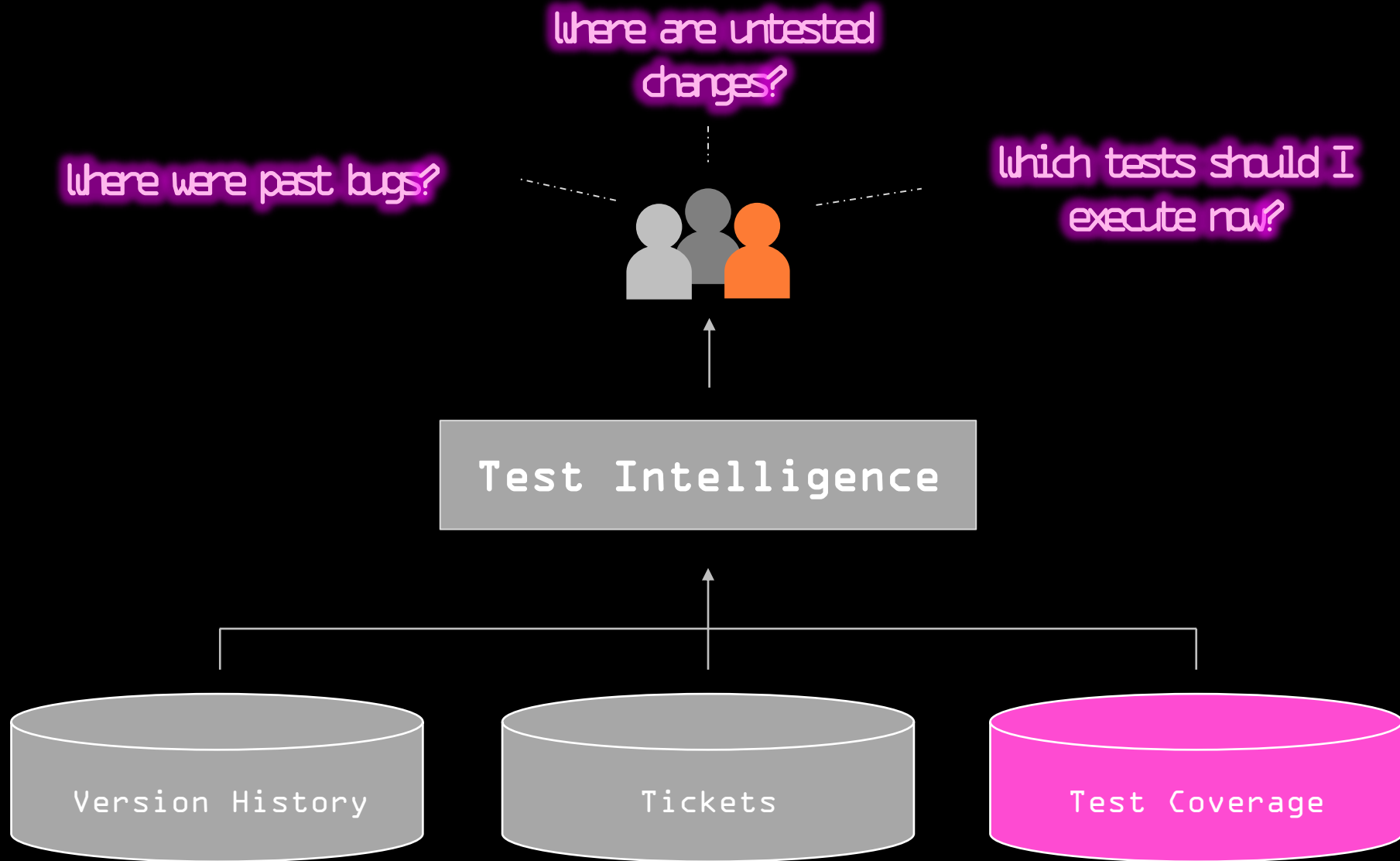


Changed
New



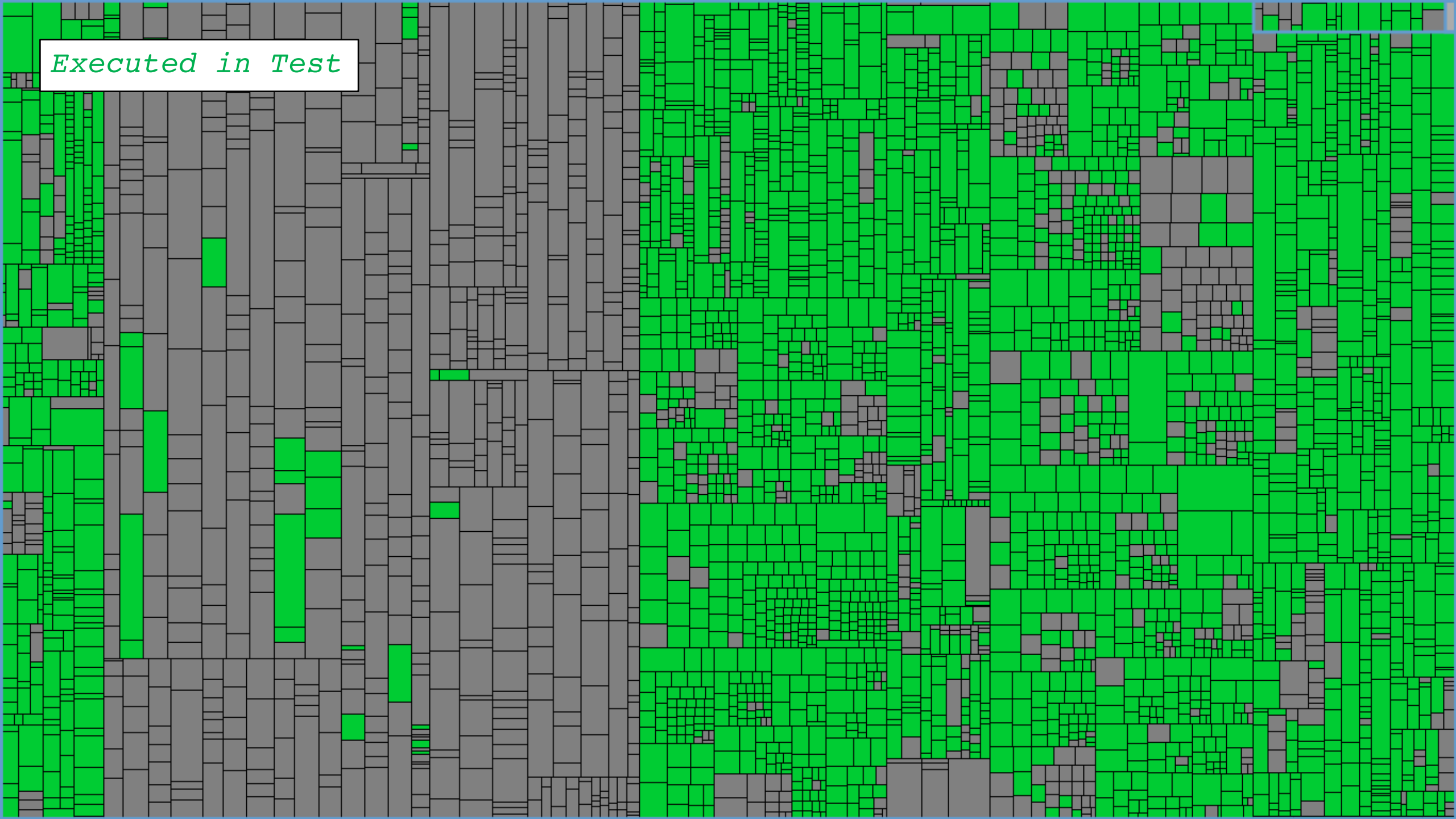
Changed
New





```
199
200 i def get_time(format='timestamp', time_=None):
201     """Return the given or current time in requested format.
202
203     If time is not given, current time is used. How time is returned is
204     determined based on the given 'format' string as follows. Note that all
205     checks are case-insensitive.
206
207     - If 'format' contains word 'epoch' the time is returned in seconds after
208       the unix epoch.
209     - If 'format' contains any of the words 'year', 'month', 'day', 'hour',
210       'min' or 'sec' only selected parts are returned. The order of the returned
211       parts is always the one in previous sentence and order of words in
212       'format' is not significant. Parts are returned as zero padded strings
213       (e.g. May -> '05').
214     - Otherwise (and by default) the time is returned as a timestamp string in
215       format '2006-02-24 15:08:31'
216     """
217     time_ = int(time_ or time.time())
218     format = format.lower()
219     # 1) Return time in seconds since epoch
220     if 'epoch' in format:
221         return time_
222     timetuple = time.localtime(time_)
223     parts = []
224     for i, match in enumerate('year month day hour min sec'.split()):
225         if match in format:
226             parts.append('%02d' % timetuple[i])
227     # 2) Return time as timestamp
228     if not parts:
229         return format_time(timetuple, daysep='-')
230     # Return requested parts of the time
231     elif len(parts) == 1:
232         return parts[0]
233     else:
234         return parts
235
```

Executed in Test





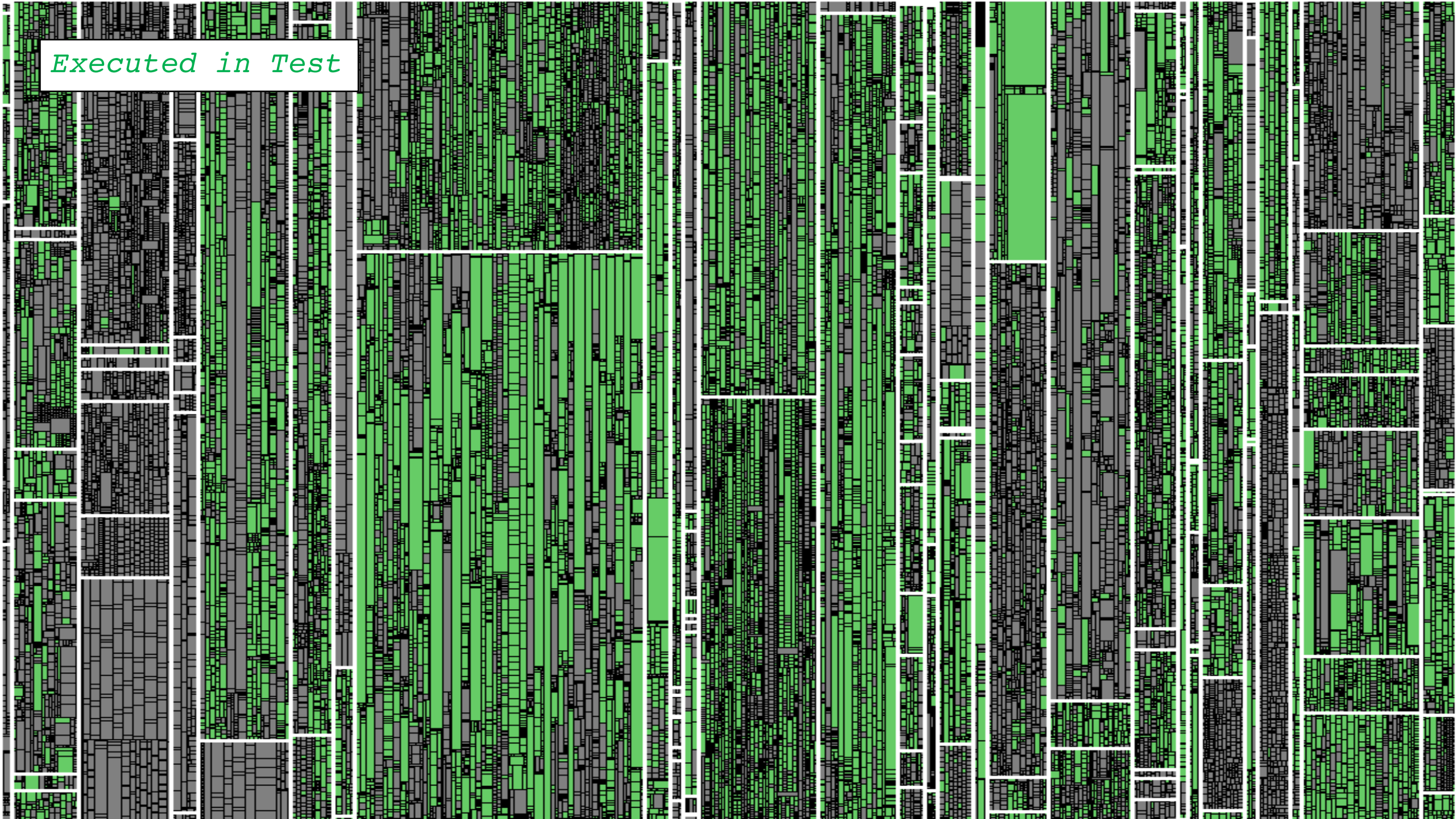
src/robot/libraries

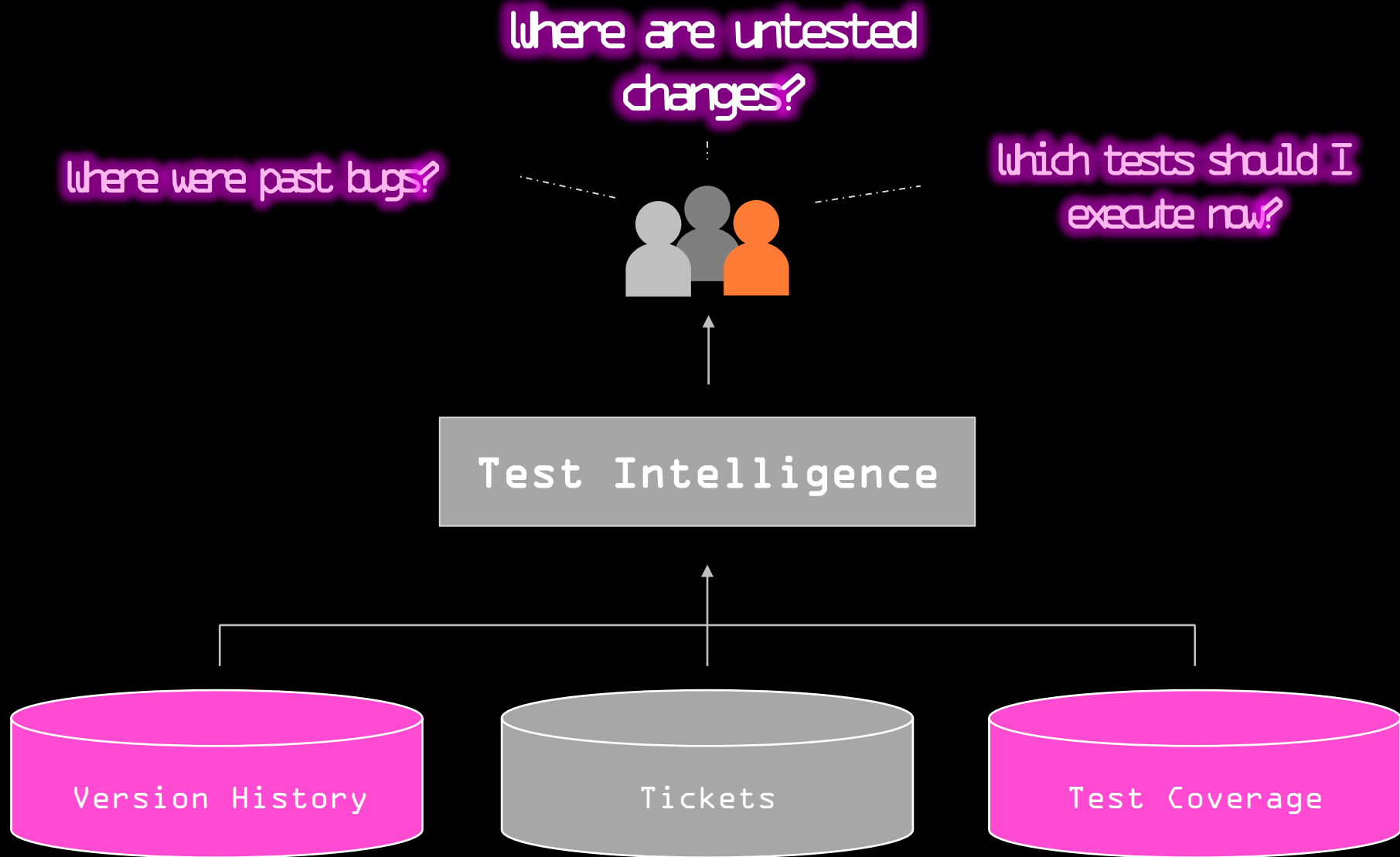


Executed in Test

*Disclaimer:
unit tests only*

Executed in Test





Where are untested changes?

Where were past bugs?

Which tests should I execute now?



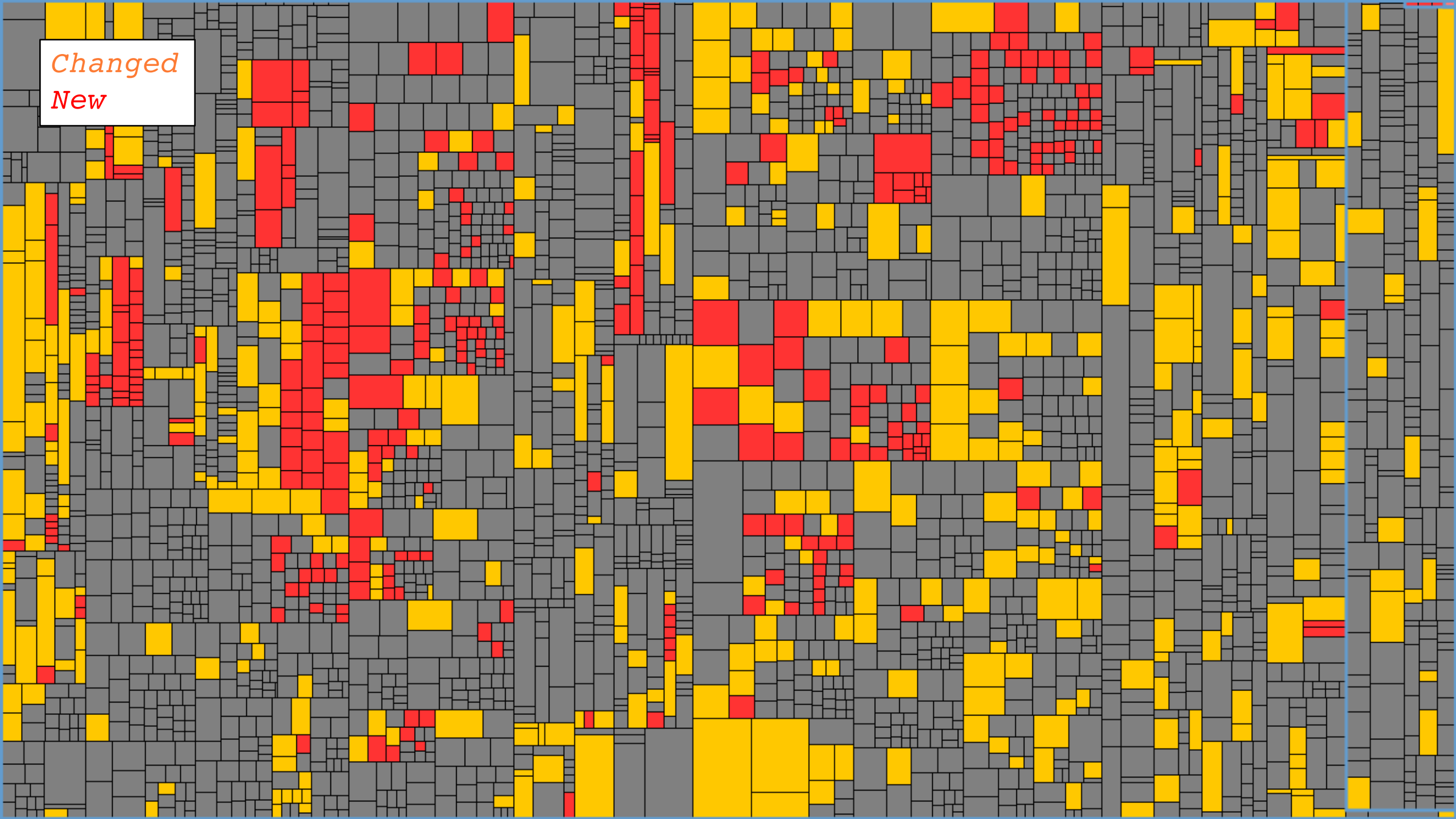
Test Intelligence

Version History

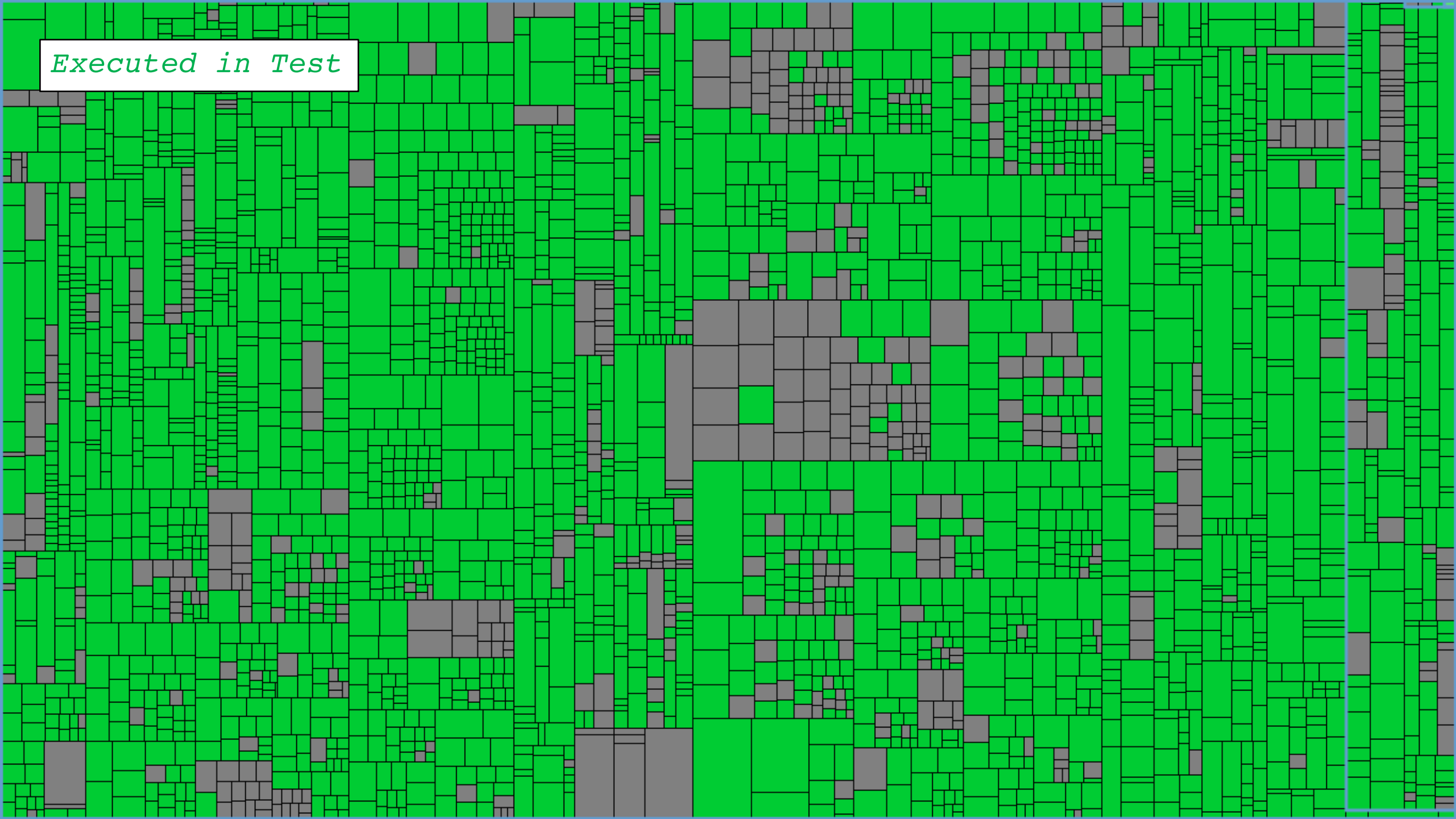
Tickets

Test Coverage

Changed
New



Executed in Test



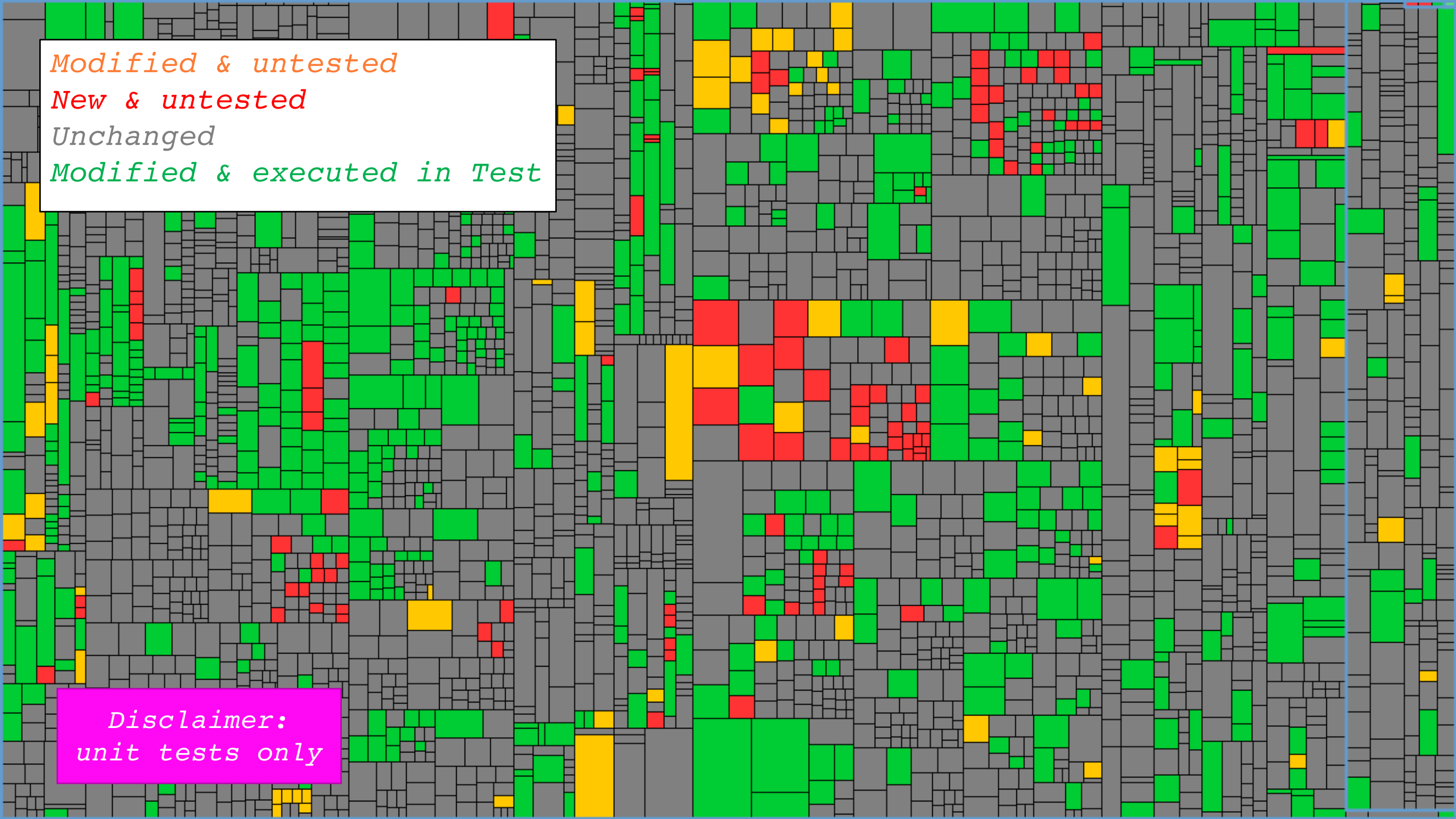
Modified & untested

New & untested

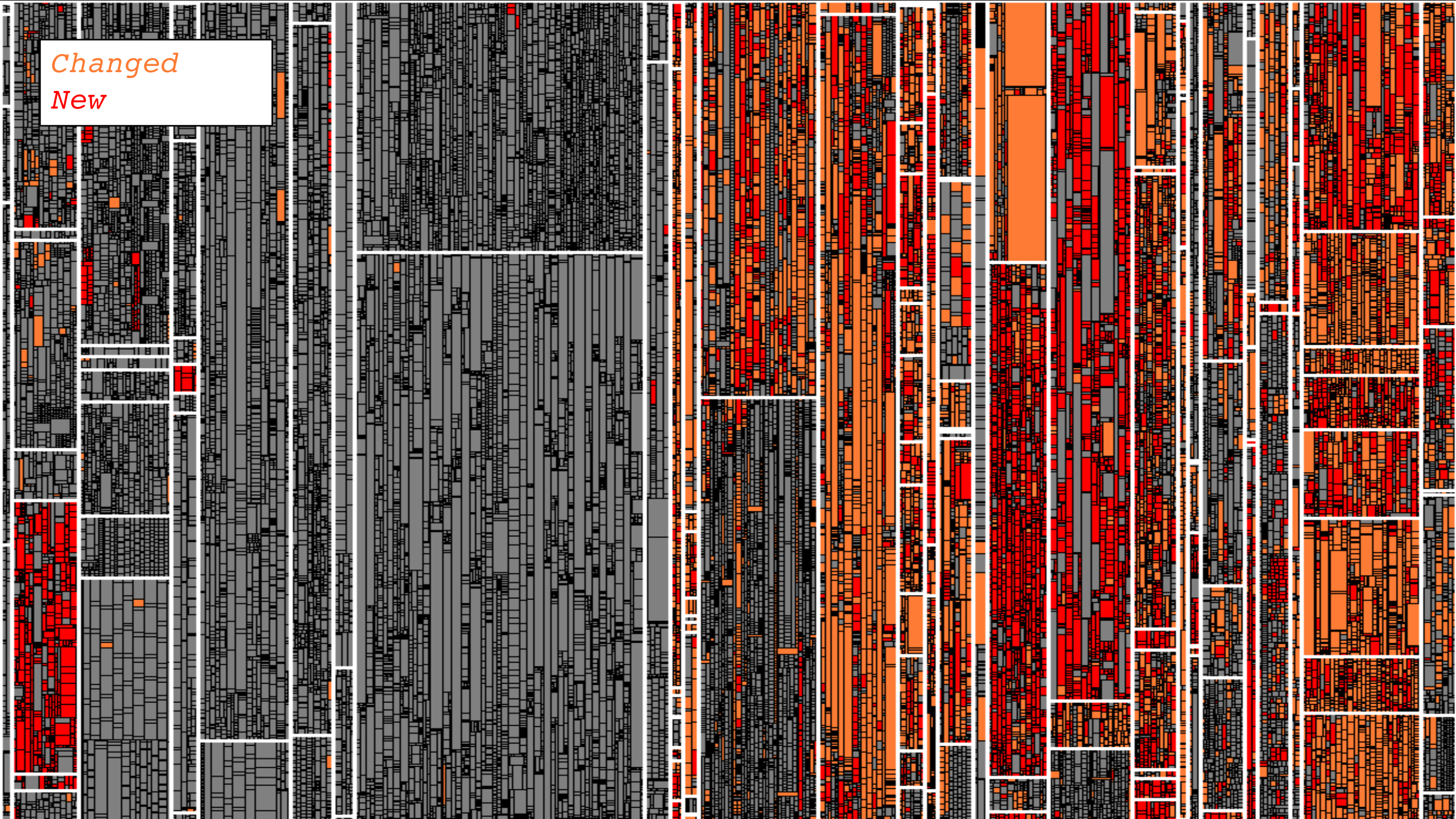
Unchanged

Modified & executed in Test

*Disclaimer:
unit tests only*

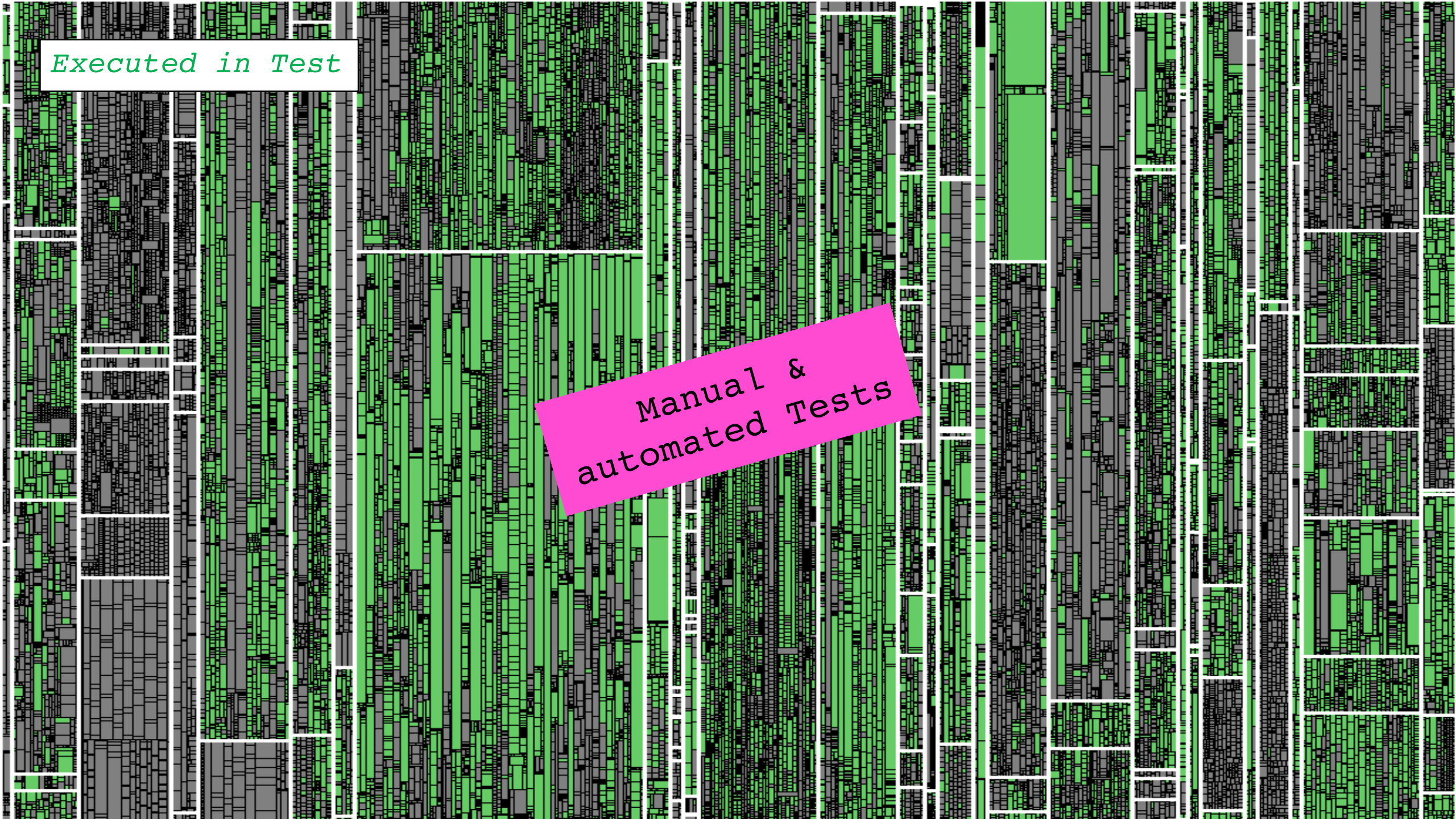


Changed
New



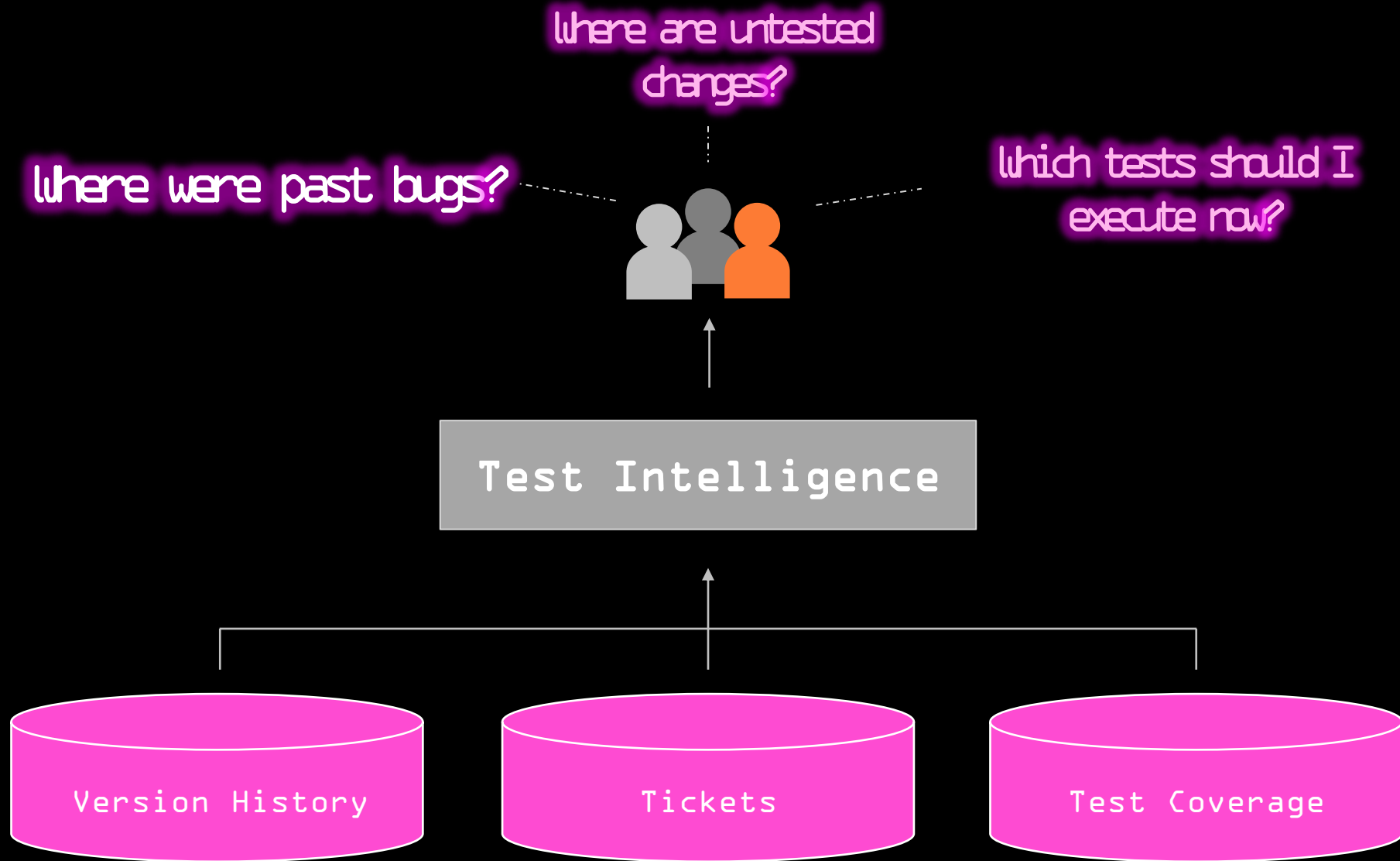
Executed in Test

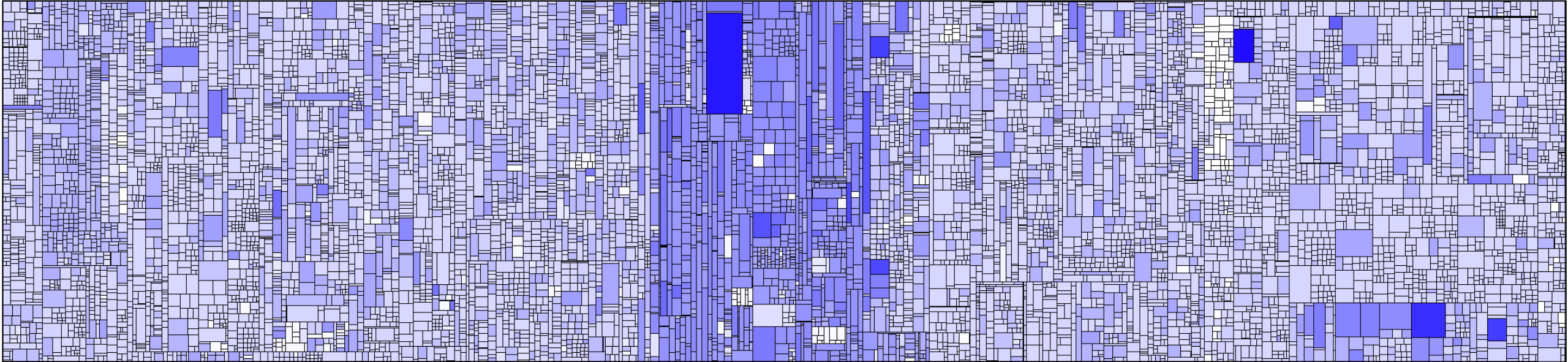
Manual &
automated Tests

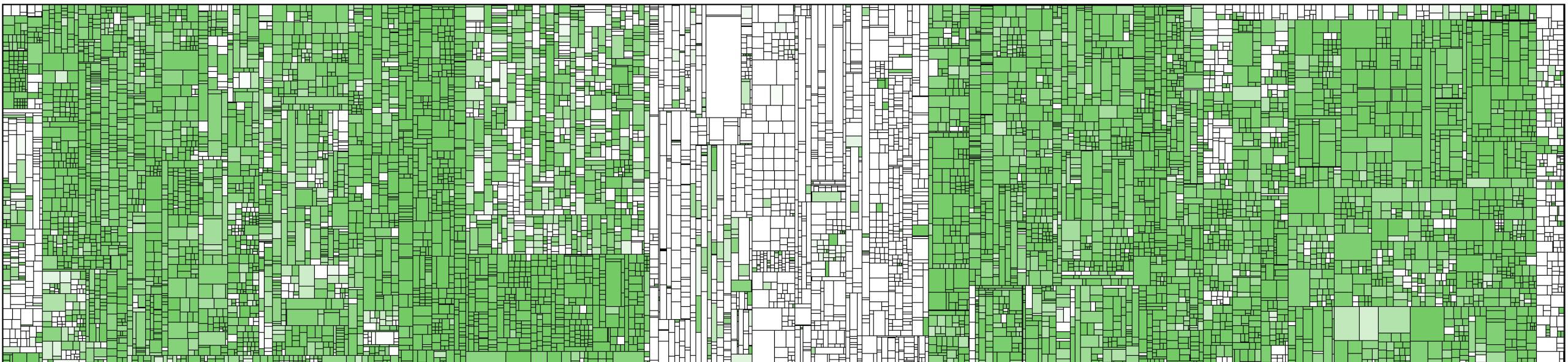


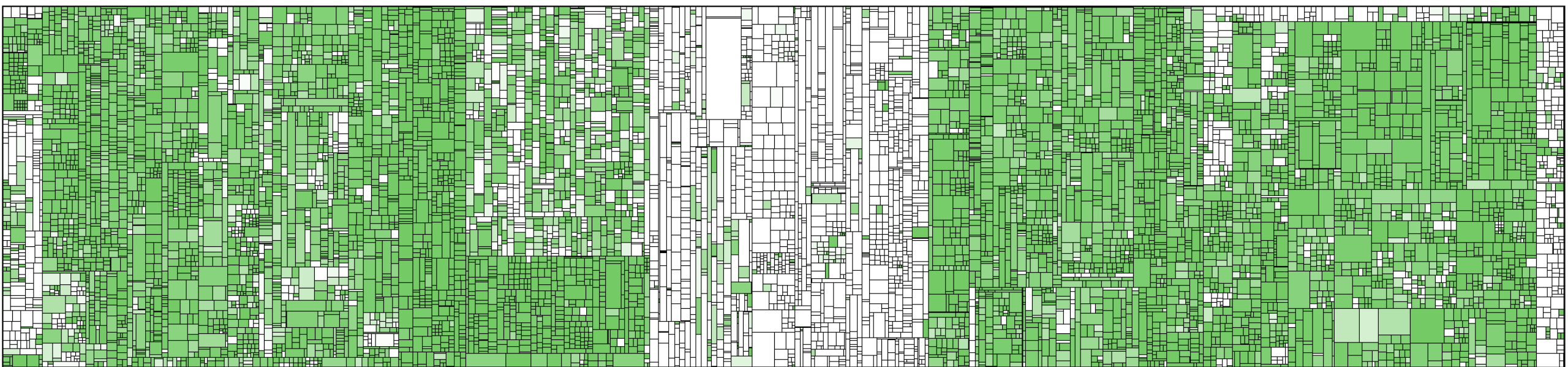
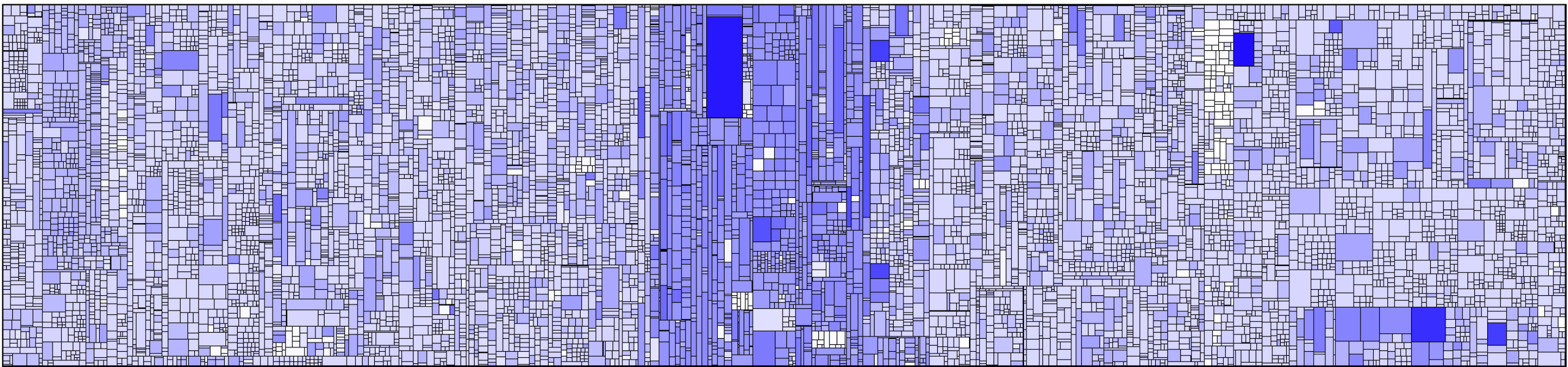
Modified & untested
New & untested
Unchanged
Modified & executed in Test

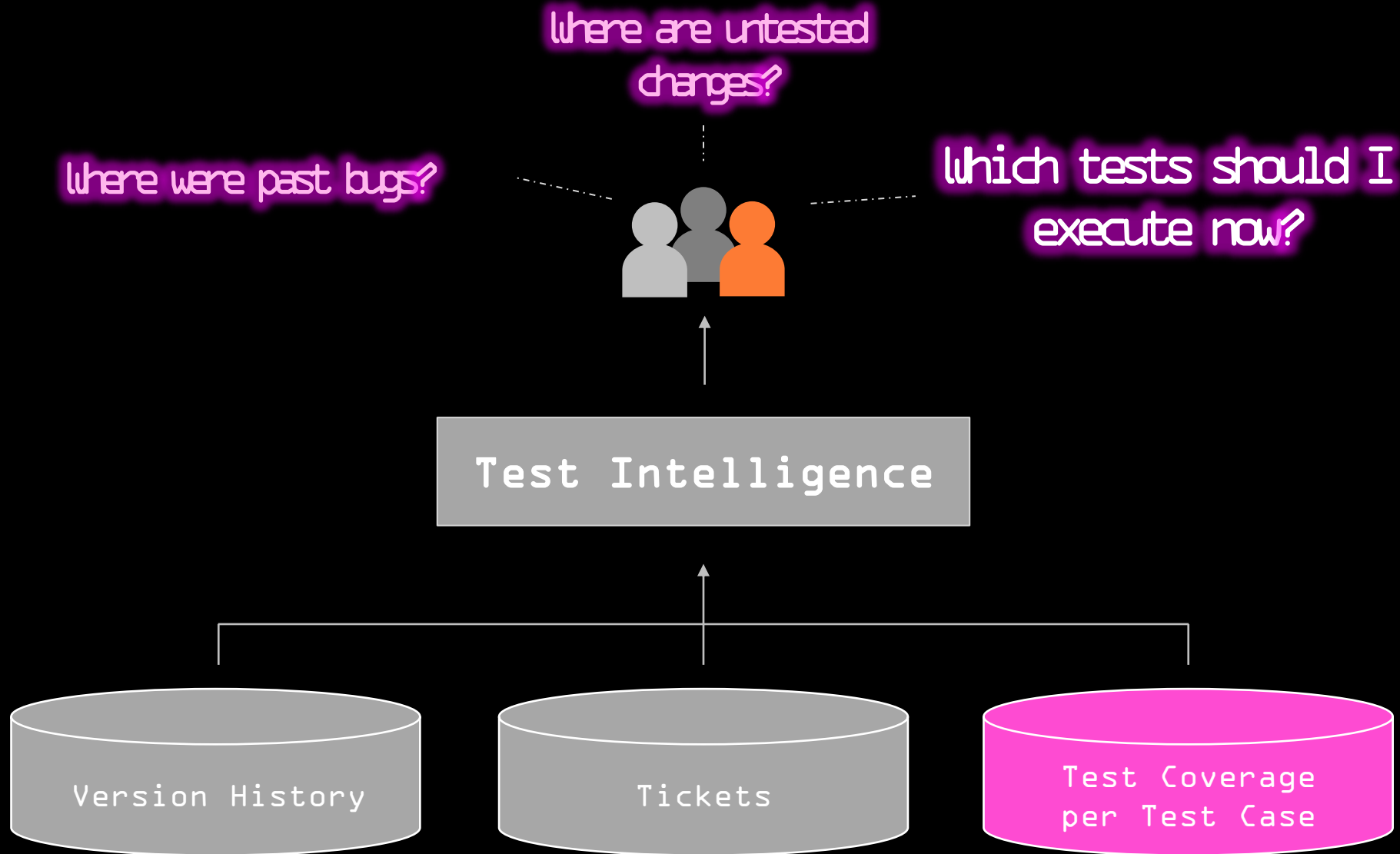










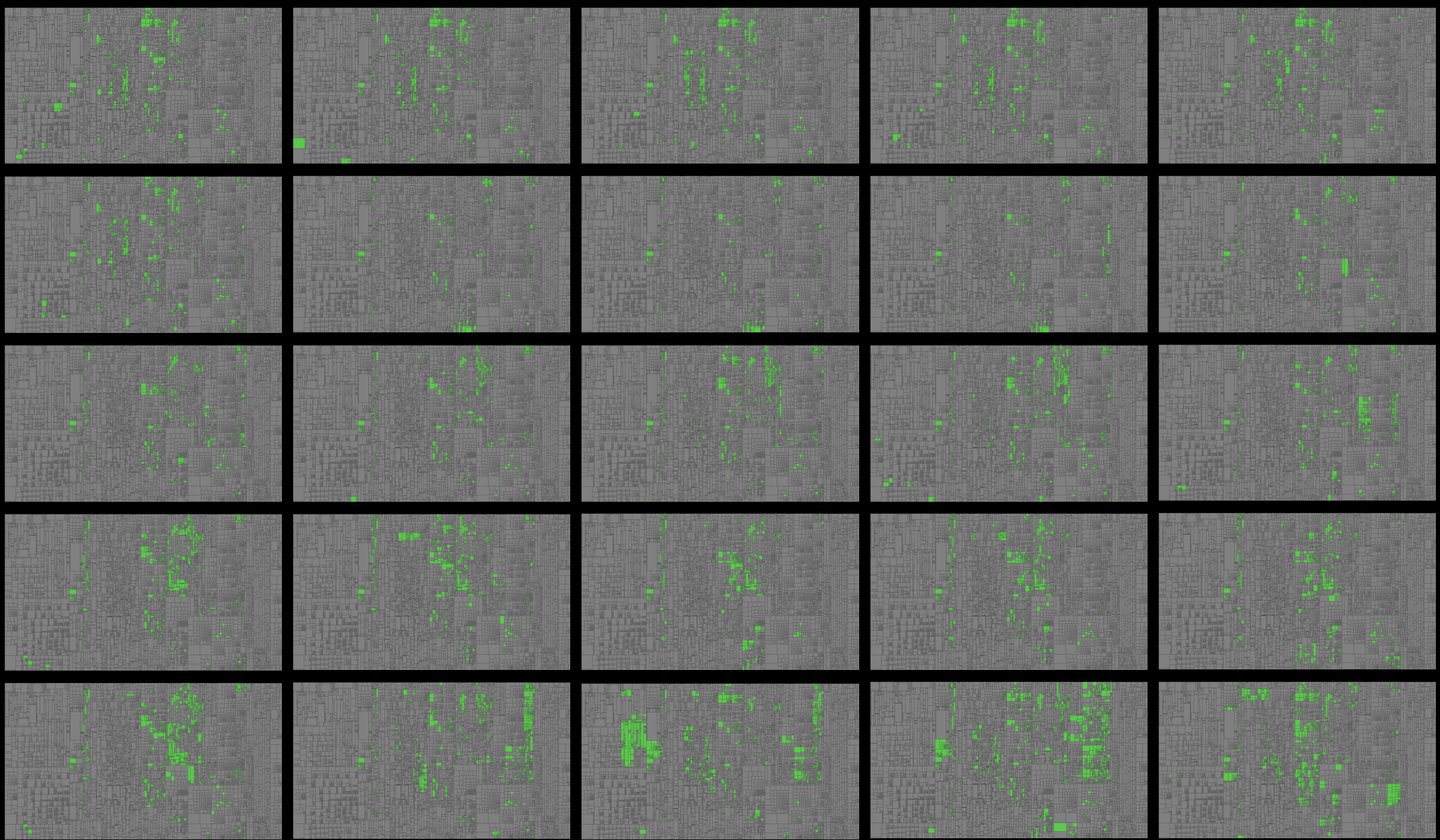




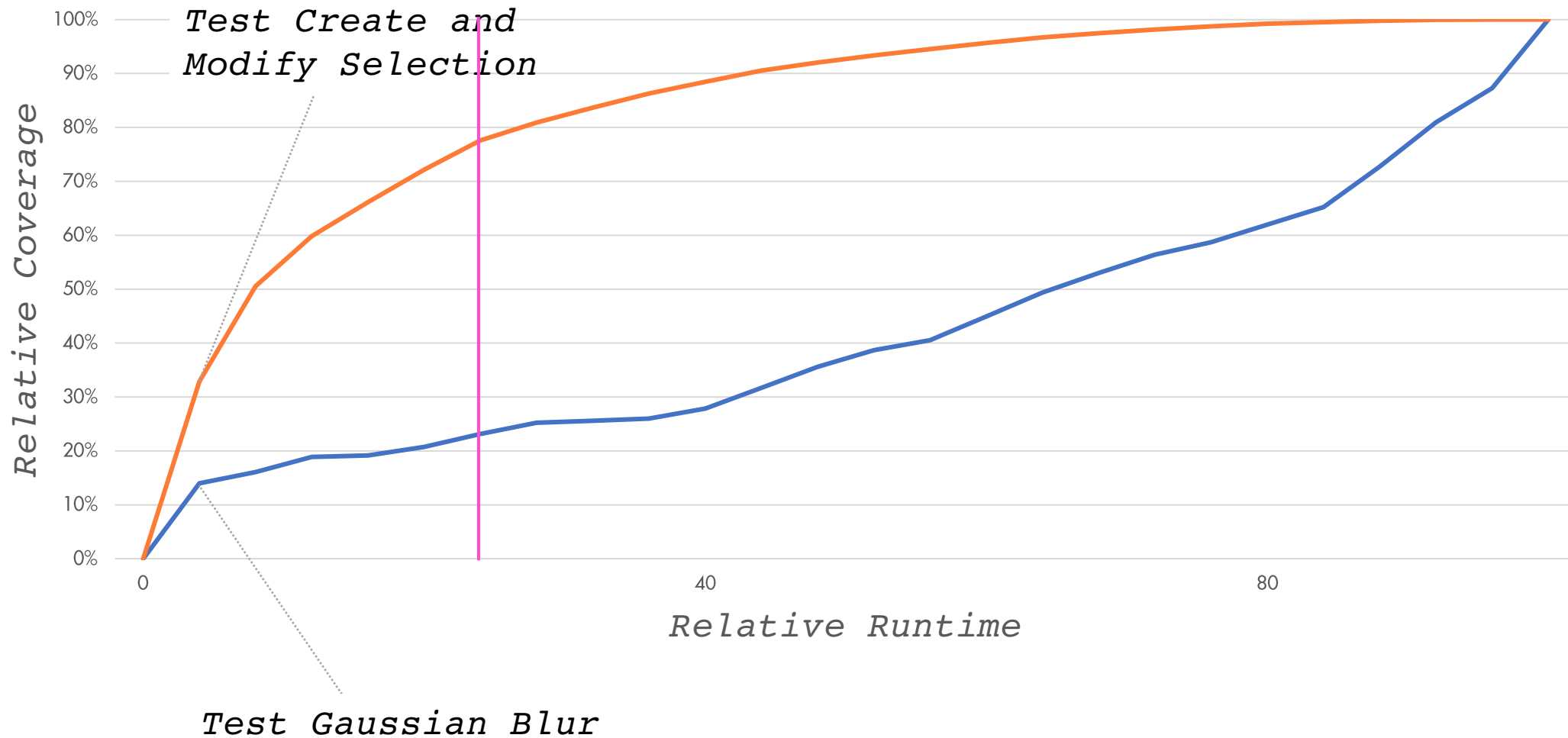
Test Gaussian Blur

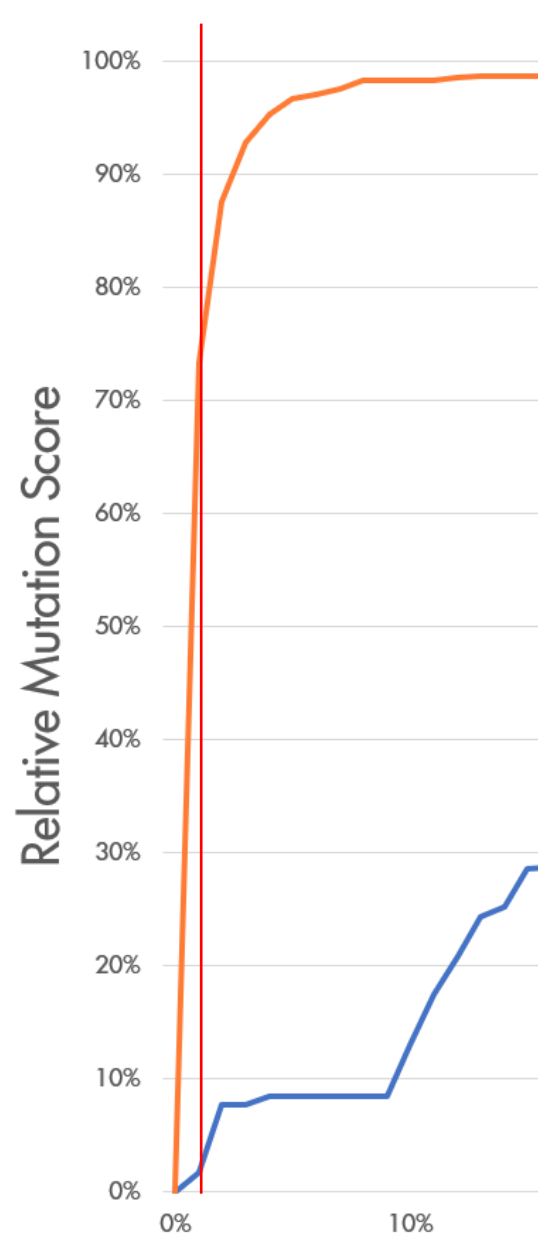
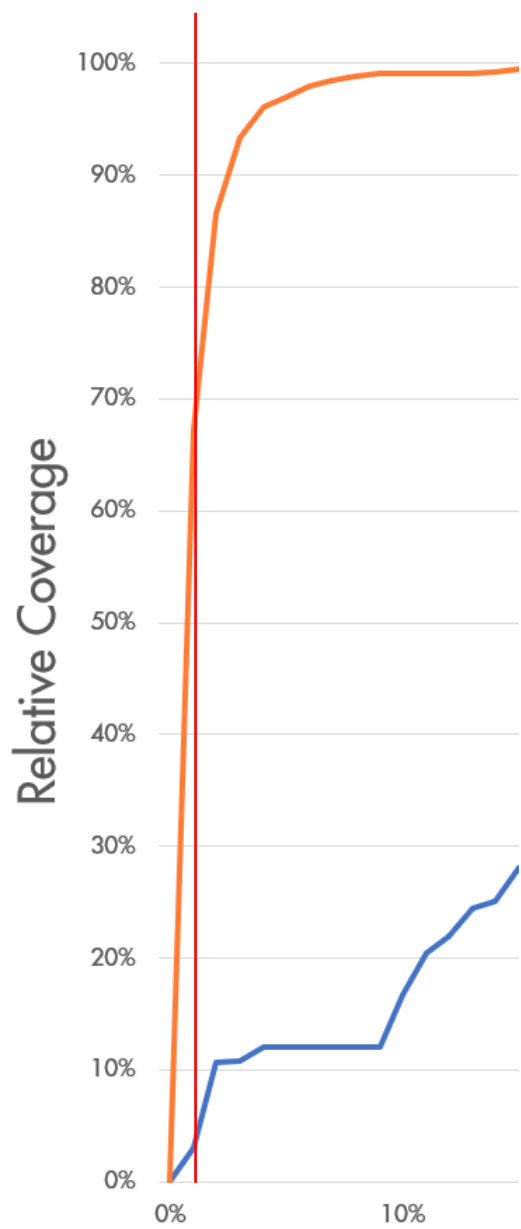
The background features a grayscale image of a city skyline, possibly New York City, with a white grid overlay. Several rectangular areas are highlighted in a vibrant green color, scattered across the image. In the bottom-left corner, there is a white rectangular box containing text.

*Test Create and Modify
Selection*

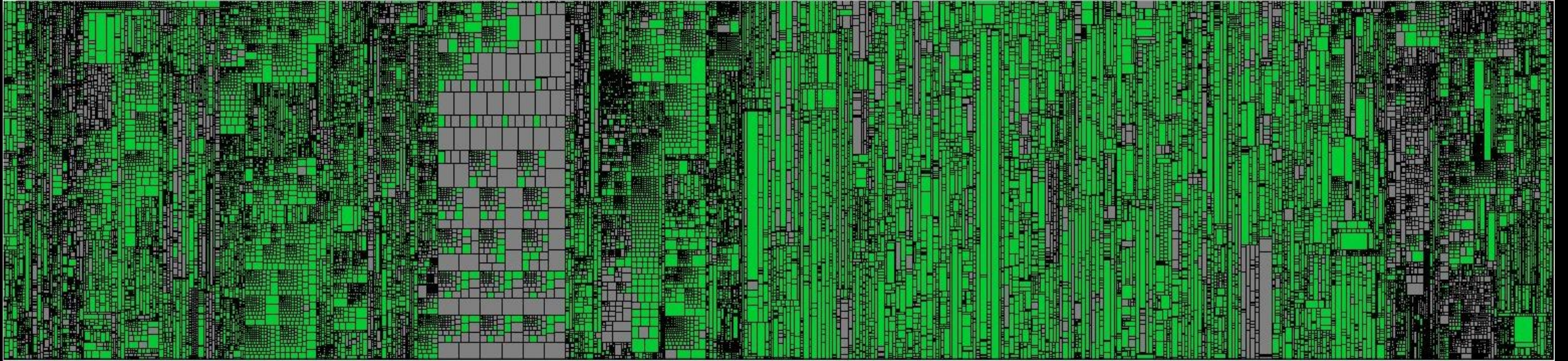


Time vs Code Coverage

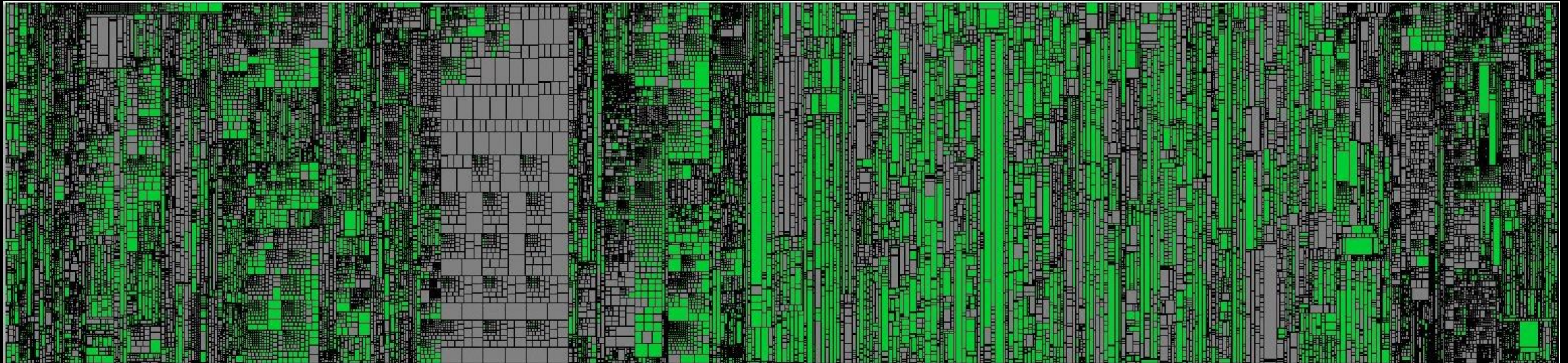




400+ h test execution



1h test execution



FAST FEEDBACK FROM LONG-RUNNING TESTS

*Test-Impact Analysis and Pareto Optimization
for Ever-Growing Test Suites*

Wednesday, June 29, 2022

17:00 bis 18:30 CEST

Registration:

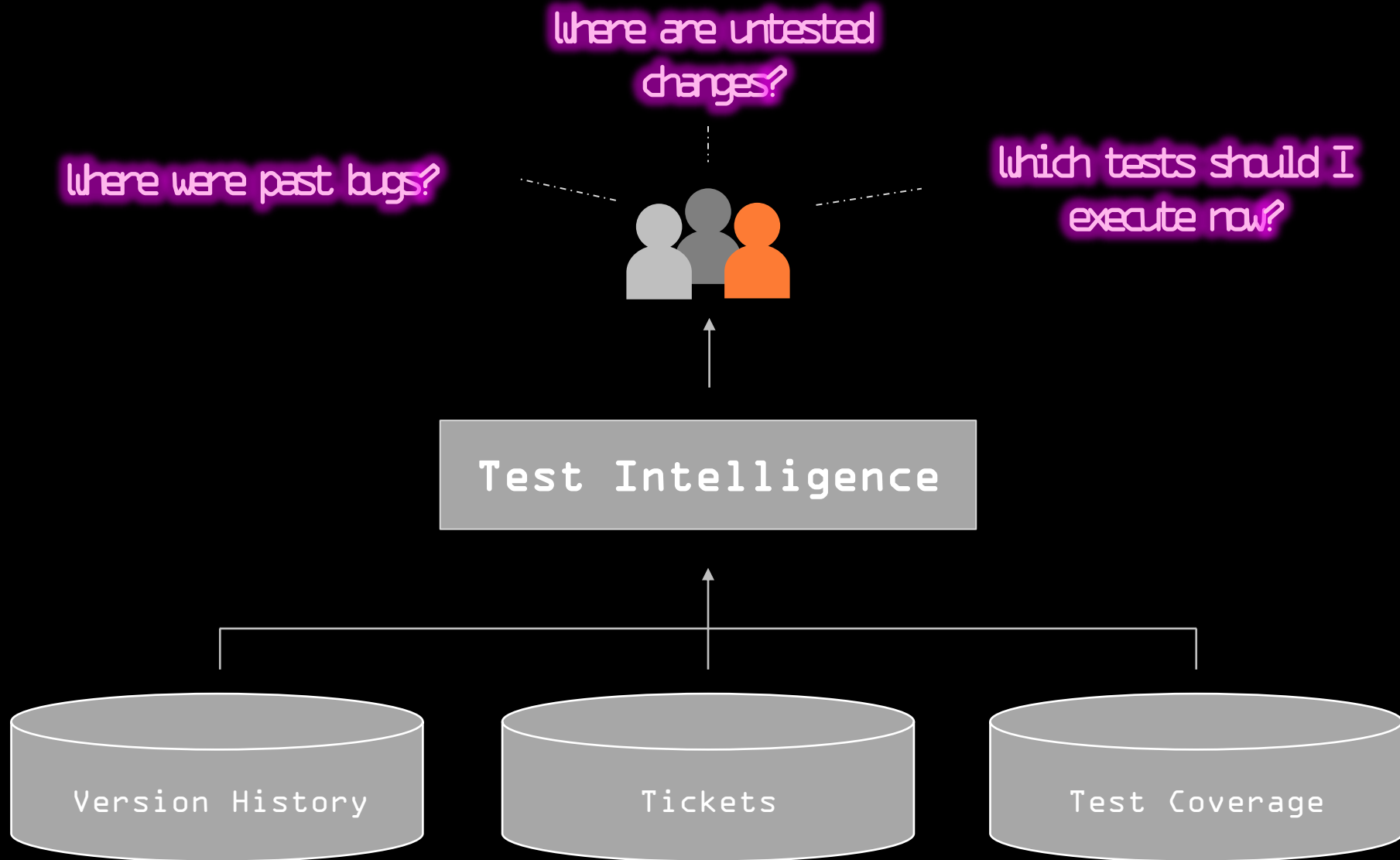
cqse.eu/workshop-8020-en-2206-gtd



Elmar



Fabian



Contact - Looking forward to questions 😊



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