ROBCON 2021 REMOTE EVENT

MAR 2021

#ROBOCON2021

Robot Framework Foundation

WHAT'S NEW IN REQUESTSLIBRARY 0.9

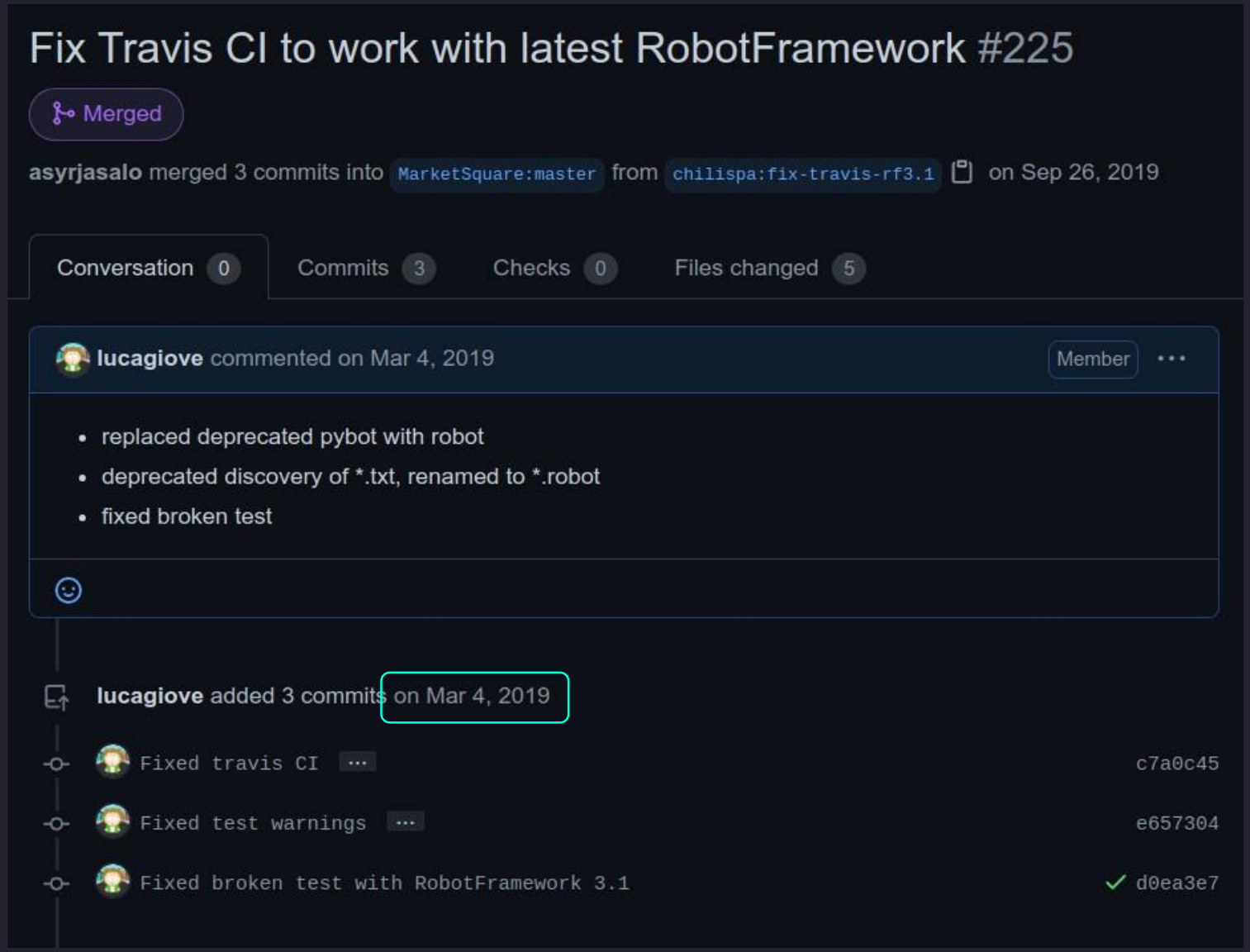
Luca Giovenzana — Head of Agile Delivery at CHILI

ONCE UPON A TIME

REQUESTS SESSION HACKING

NEEDED TO FORK

FIRST PULL REQUEST



MULTIPLE PULL REQUESTS

Fixed and updated documentation and GitHub Pages
#240 by lucagiove was merged on Sep 25, 2019

Retry status all commits ●

8
#237 by lucagiove was merged on Sep 26, 2019

Retry request in case of specific http statuses (eg 502) ●
2
#236 by lucagiove was merged on Sep 14, 2019

Log refactor ×
#235 by lucagiove was merged on Sep 26, 2019

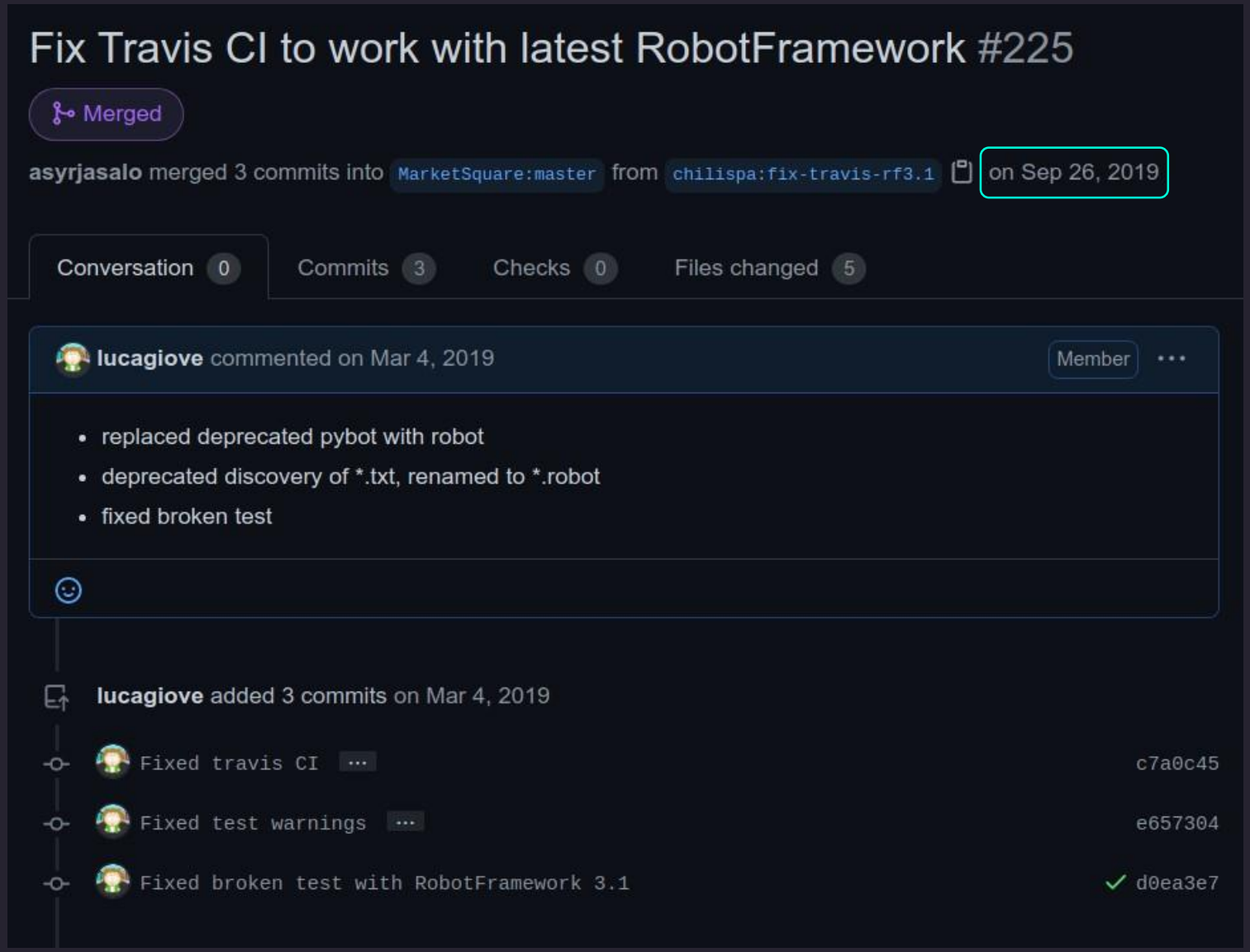
Fix header case ●
#228 by lucagiove was merged on Sep 26, 2019

Remove duplicated code (conflict solved and PR review) ●
2
#227 by lucagiove was merged on Sep 26, 2019

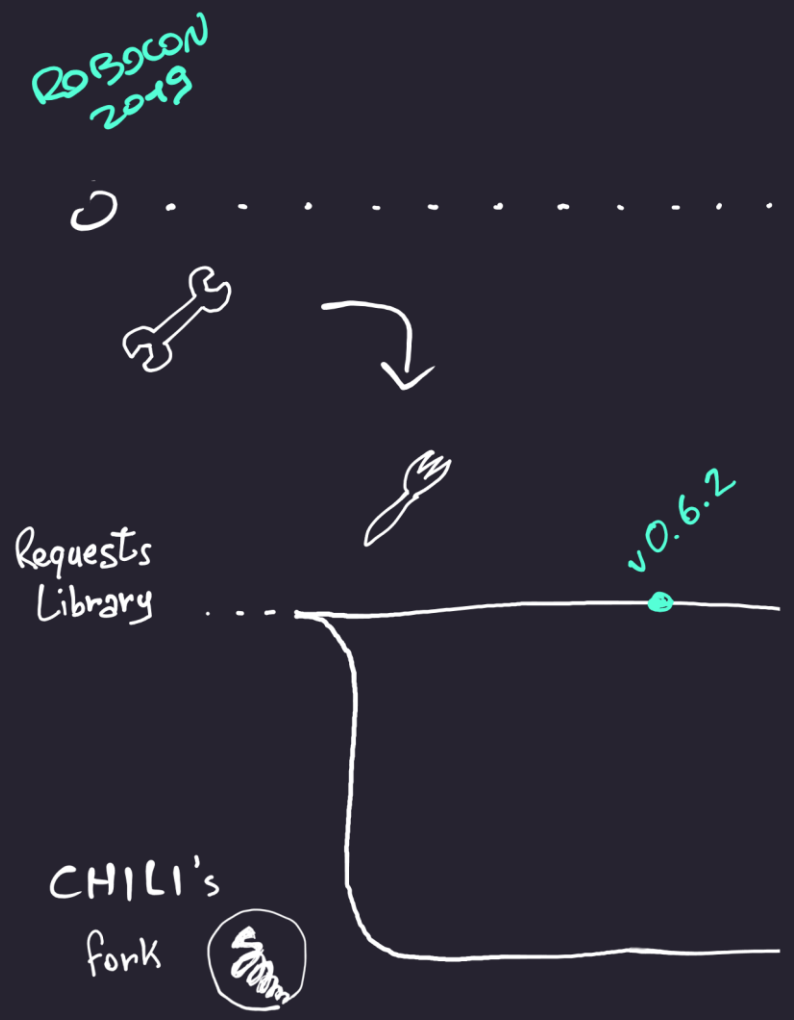
Session exists ×
1
#226 by lucagiove was merged on Sep 26, 2019

Fix Travis CI to work with latest RobotFramework ●
#225 by lucagiove was merged on Sep 26, 2019

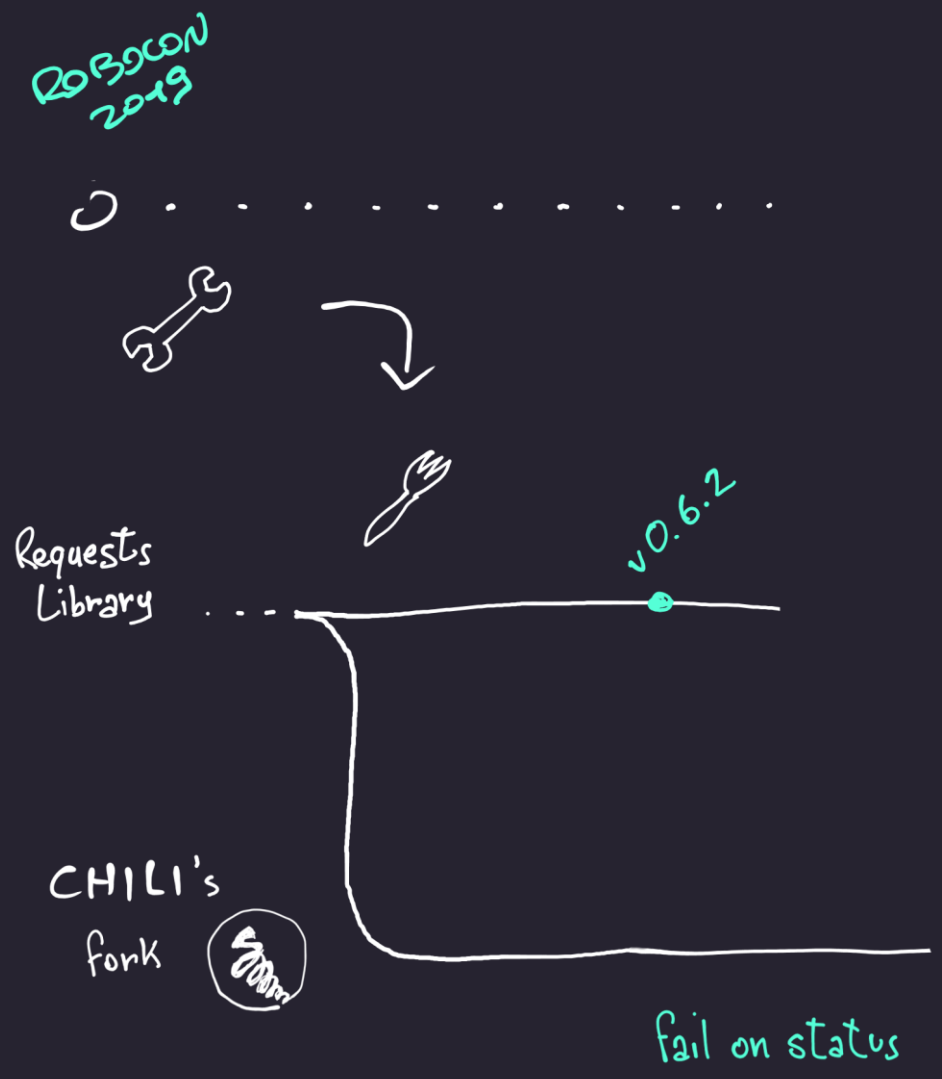
FINALLY MERGED



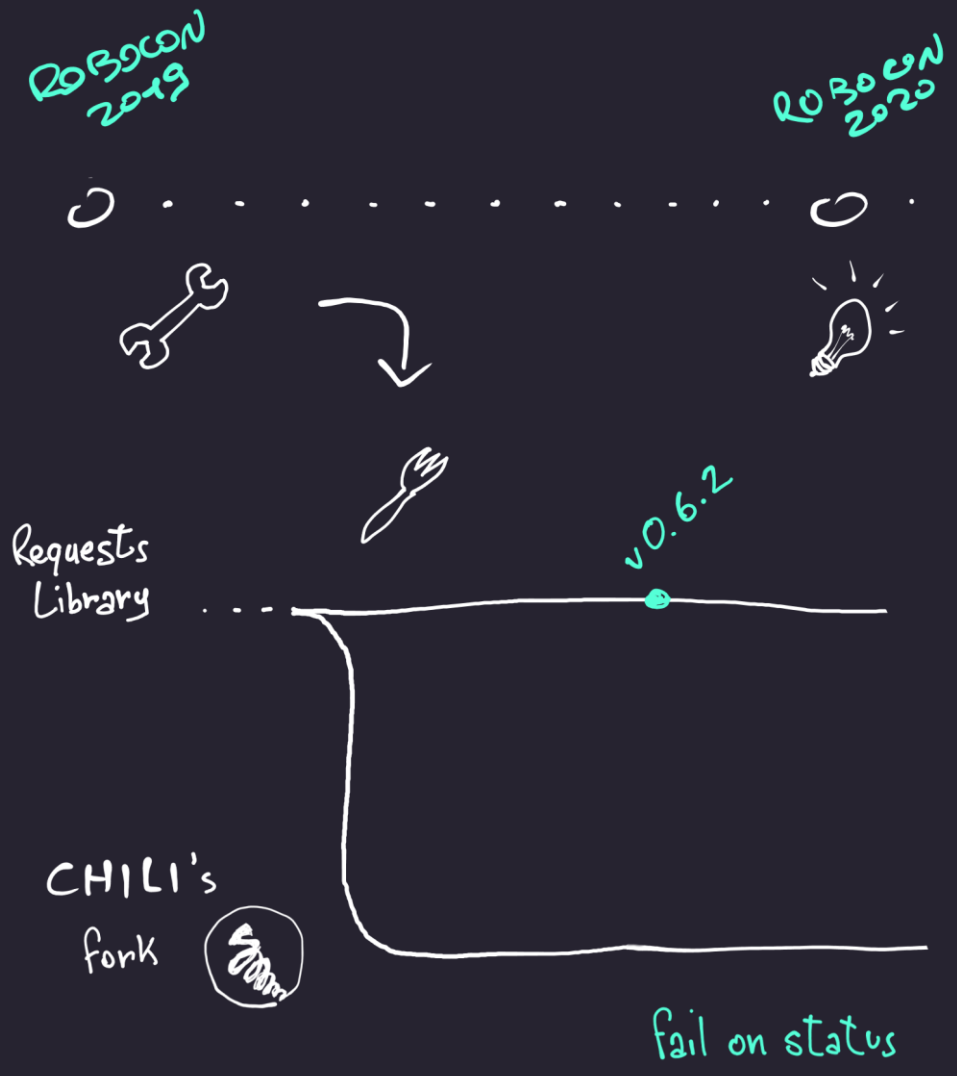
FIRST RELEASE: FIXES AND RETRY



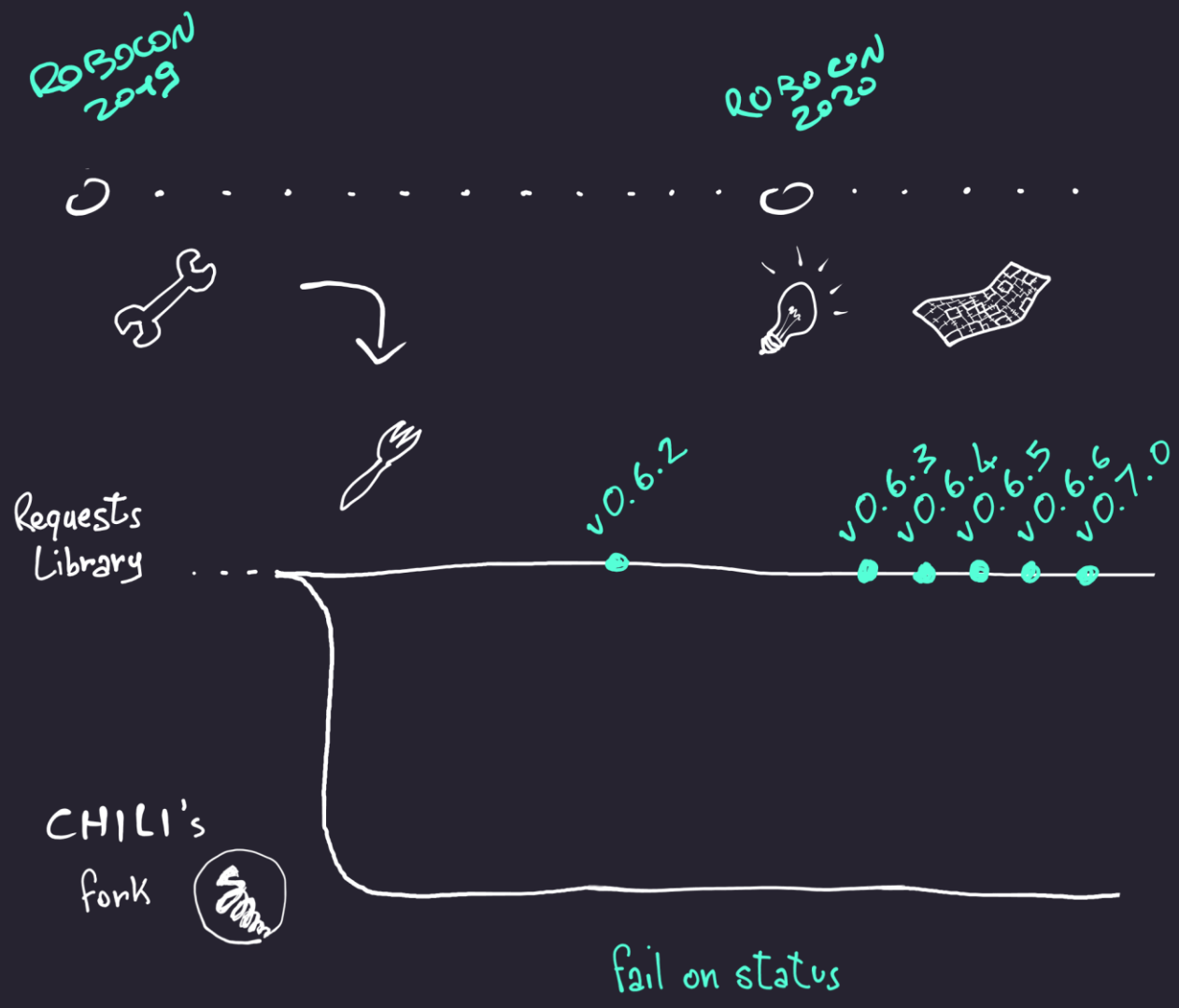
FAIL ON ERROR



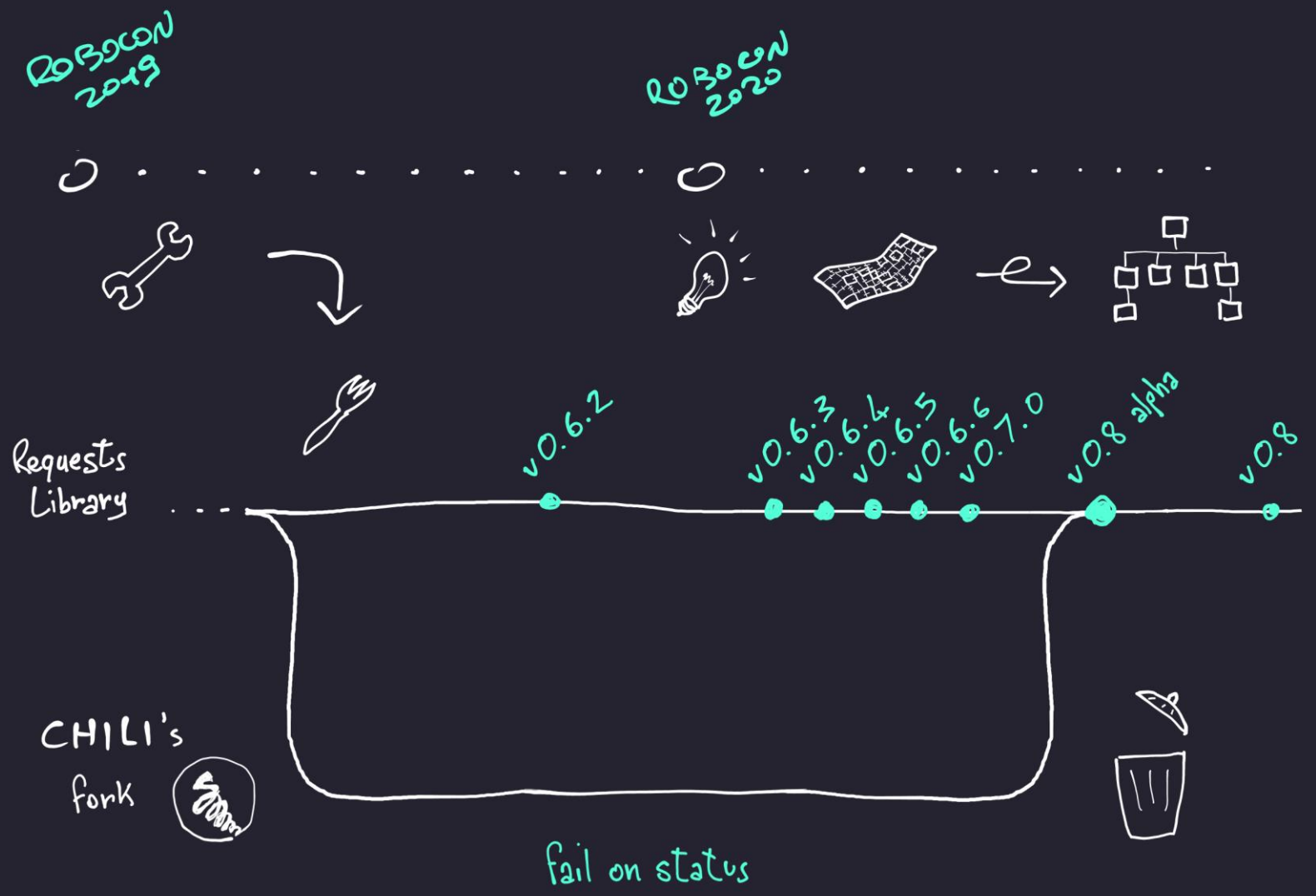
ROBOCON 2020: TALKS AND IDEAS



CODE WAS A PATCHWORK



RADICAL APPROACH: NEW KWORDS STRUCTURE



IMPLICIT ASSERT

```
    def raise_for_status(self):                                    [docs]
        """Raises :class:`HTTPError`, if one occurred."""

        http_error_msg = ''
        if isinstance(self.reason, bytes):
            # We attempt to decode utf-8 first because some servers
            # choose to localize their reason strings. If the string
            # isn't utf-8, we fall back to iso-8859-1 for all other
            # encodings. (See PR #3538)
            try:
                reason = self.reason.decode('utf-8')
            except UnicodeDecodeError:
                reason = self.reason.decode('iso-8859-1')
        else:
            reason = self.reason

        if 400 <= self.status_code < 500:
            http_error_msg = u'%s Client Error: %s for url: %s' % (self.status

        elif 500 <= self.status_code < 600:
            http_error_msg = u'%s Server Error: %s for url: %s' % (self.status

        if http_error_msg:
            raise HTTPError(http_error_msg, response=self)
```

BEST PRACTICES AND COMMON PITFALLS

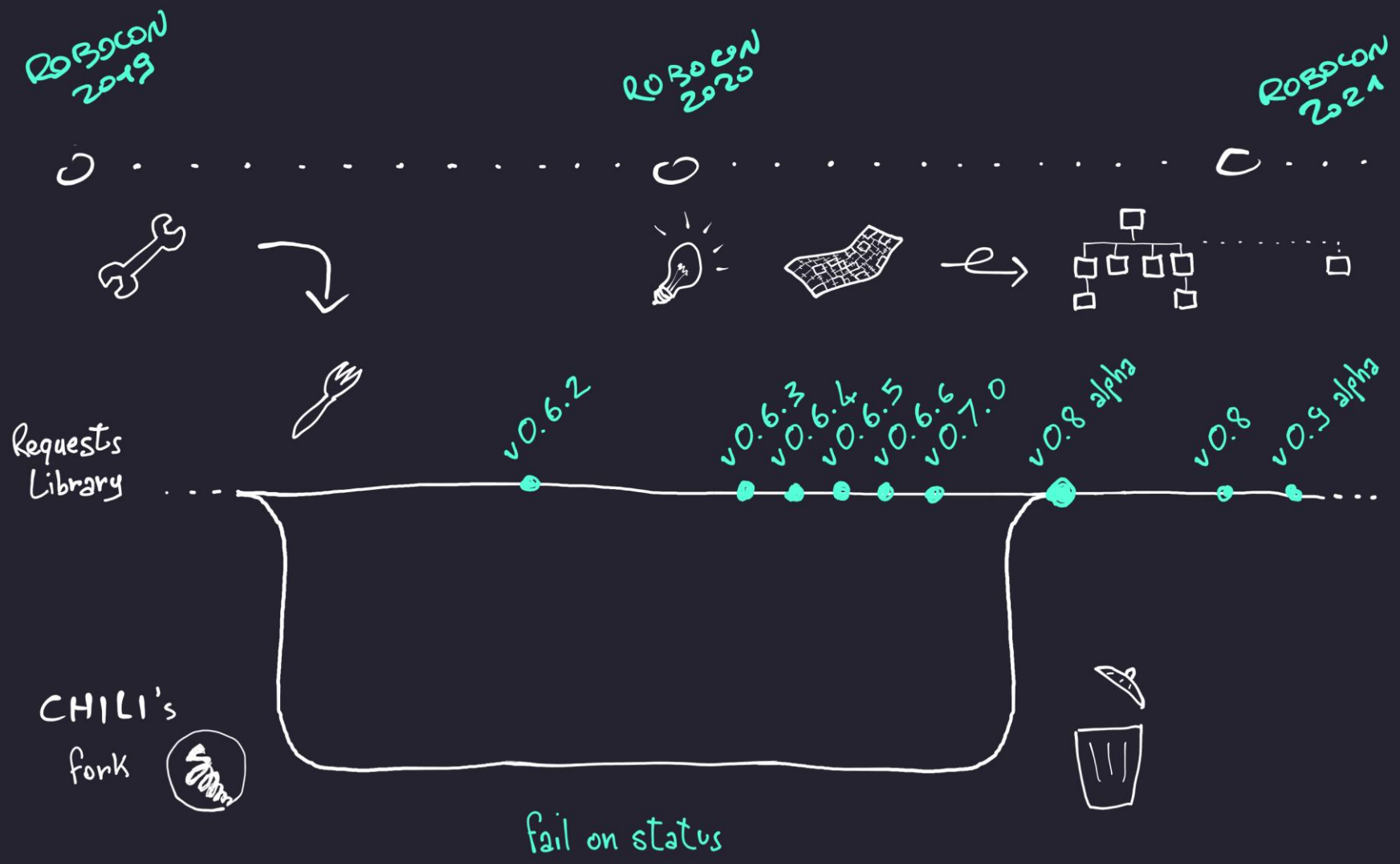
- Embed requests in nested keywords

see an example

- Positional url with = symbol (ex. /endpoint?sort=asc) will fail because of RobotFramework handling with kwargs**

- String as arguments or missing spaces

UPCOMING 0.9 VERSION: README



That's ROBOCON 2021

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