

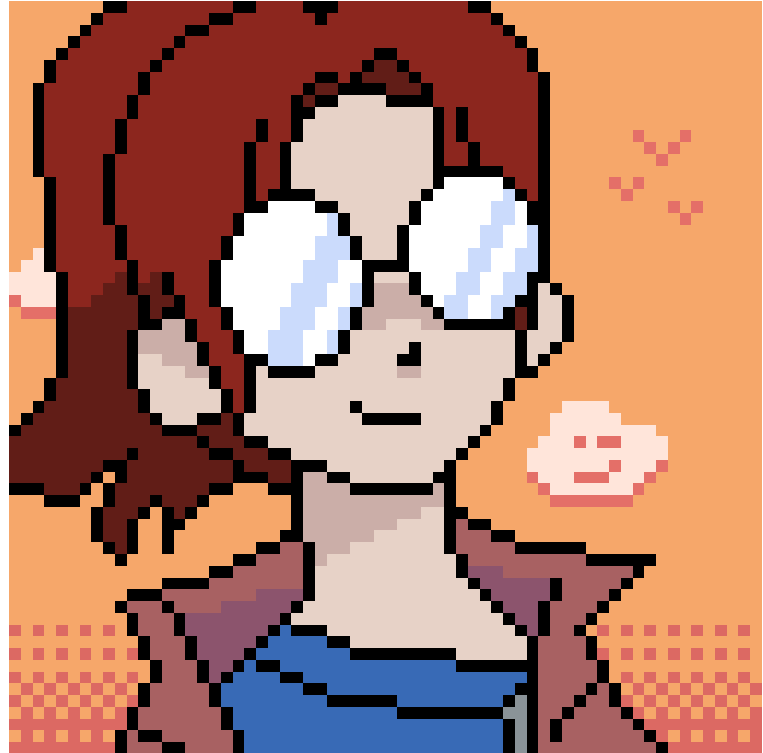


Tracking ITP dependencies with Graphviz

Debian Reunion Hamburg 2022
2022-05-28

Who am I?

- Agathe 'gagath'
- Debian Contributor™

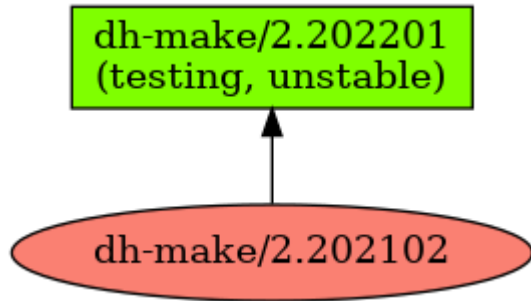


Tracking bug dependencies

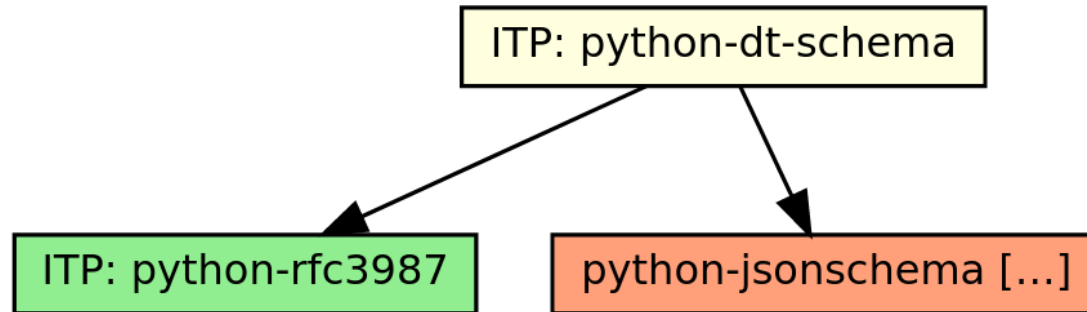
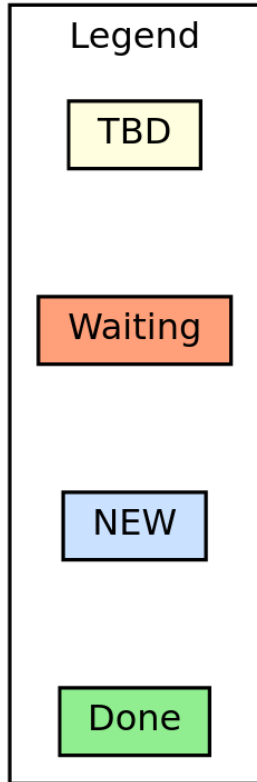
Added indication that bug [1002996](#) blocks [999849](#) Request was from Jan 2022 15:00:07 GMT) ([full text](#), [mbox](#), [link](#)).

Added blocking bug(s) of [1002996](#): [999850](#) Request was from Agathe 12:57:02 GMT) ([full text](#), [mbox](#), [link](#)).

BTS + Graphviz



We can do this



Recursive UDD SQL query

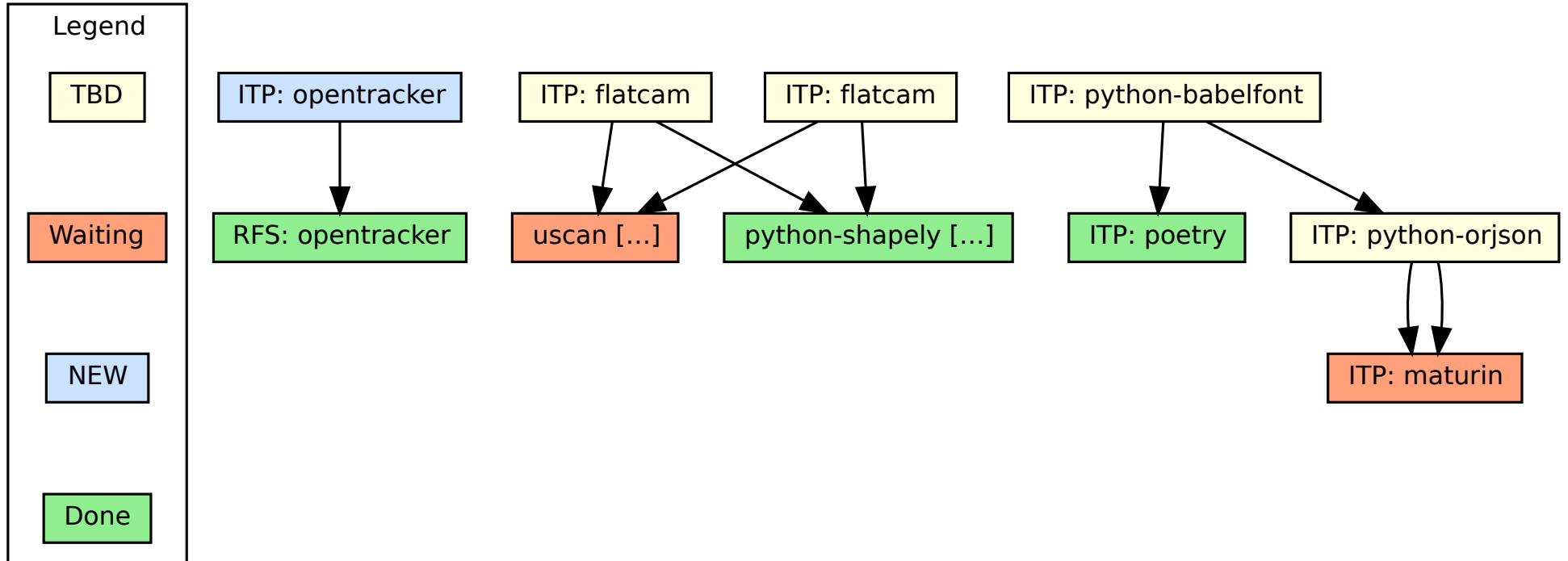
```
WITH RECURSIVE cte as (  
    SELECT  
        ...  
    FROM  
        bugs  
    LEFT JOIN bugs_blockedby ON bugs.id = bugs_blockedby.id  
    WHERE  
        bugs.package = 'wnpp'  
        AND bugs.owner_email = 'debian@microjoe.org'  
        AND bugs.status ≠ 'done'
```

Packages in NEW

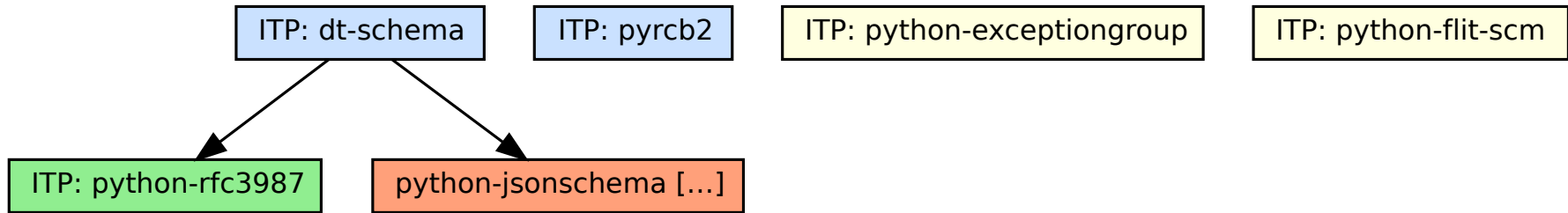
```
def get_packages_in_new():  
    r = requests.get("https://ftp-master.debian.org/new.822")  
    assert r.status_code == 200  
  
    s = re.compile(r"Source: (.*)")  
    lines = r.text.splitlines()  
    return [m.group(1) for l in lines if (m := s.match(l))]
```

The dashboard

Current status (2022-05-27)



Current status (2022-05-27) #2



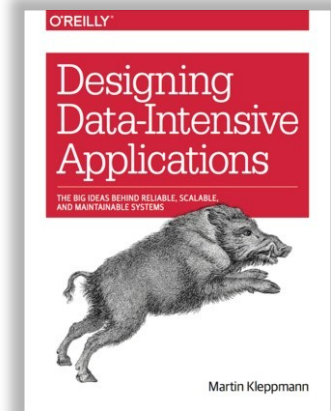
Live demo?

Evolution

- **Display on bugs.d.o?**

Resources

- <https://salsa.debian.org/gagath/debdash>
- <https://udd.debian.org/schema/udd.html>
- <https://graphviz.readthedocs.io/en/latest/manual.html>
- **Designing Data-Intensive Applications — Martin Kleppmann**





Questions?