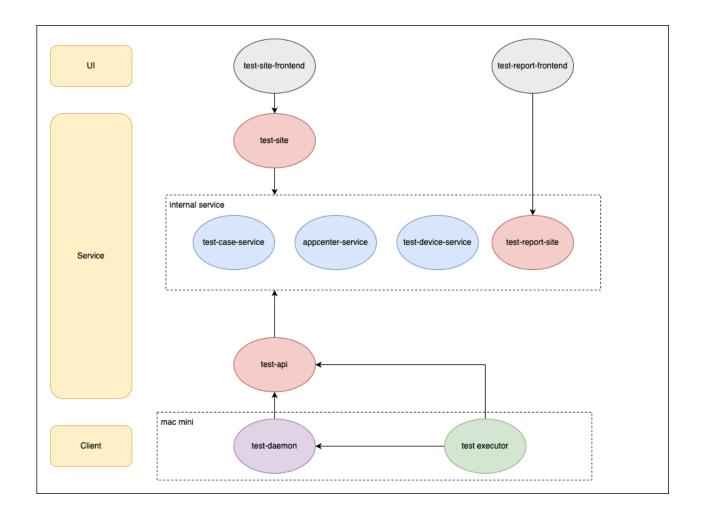
Test Automation Platform Architecture

```
Summary
UI
Service
   test-case-service
      function: search plan
      function: parse case
      function: make plan
   test-device-service
      function: list device model
   appcenter-service
      job: start test run job
      job: finish test run job
   test-report-site
      generate Allure Report (Embedded web project)
      generate UI difference Report
Client
   test-daemon
      job: upload device
      job: run executor
How to use?
```

Summary



UI



Service

test-case-service

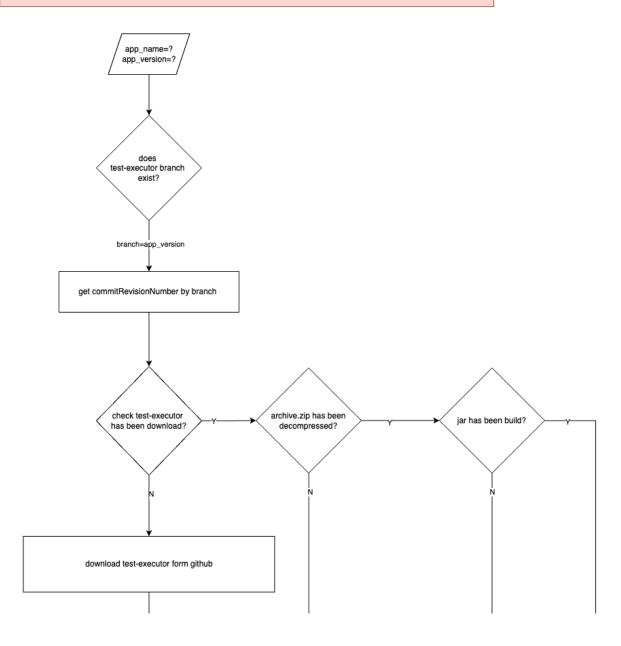
function: search plan

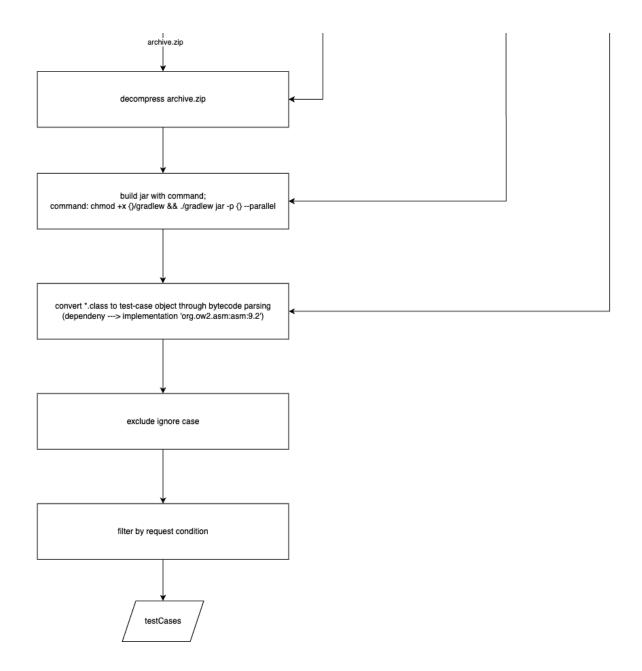
How to stat the duration?

1. plan.start_time & plan.end_time =

- a. plan.start_time = min (device_task.start_time)
- b. plan.end_time = max (device_task.end_time)
- c. device_task.start_time = min (executor_case.start_time)
- d. device_task.end_time = max (case_test_result.end_time)
- 2. Waiting minutes =
 - a. Testing = plan.startTime plan.createdTime
 - b. Done = plan.startTime plan.createdTime
 - c. Pending -> Cancel = plan.cancelTime plan.createdTime
 - d. Testing -> Cancel = plan.startTime plan.createdTime
 - e. Pending = now plan.createTime
- 3. Executing minutes =
 - a. Testing = now plan.startTime
 - b. Done = plan.endTime- plan.startTime
 - c. Pending -> Cancel = 0
 - d. Testing -> Cancel = plan.cancelTime- plan.startTime
 - e. Pending: 0

function: parse case

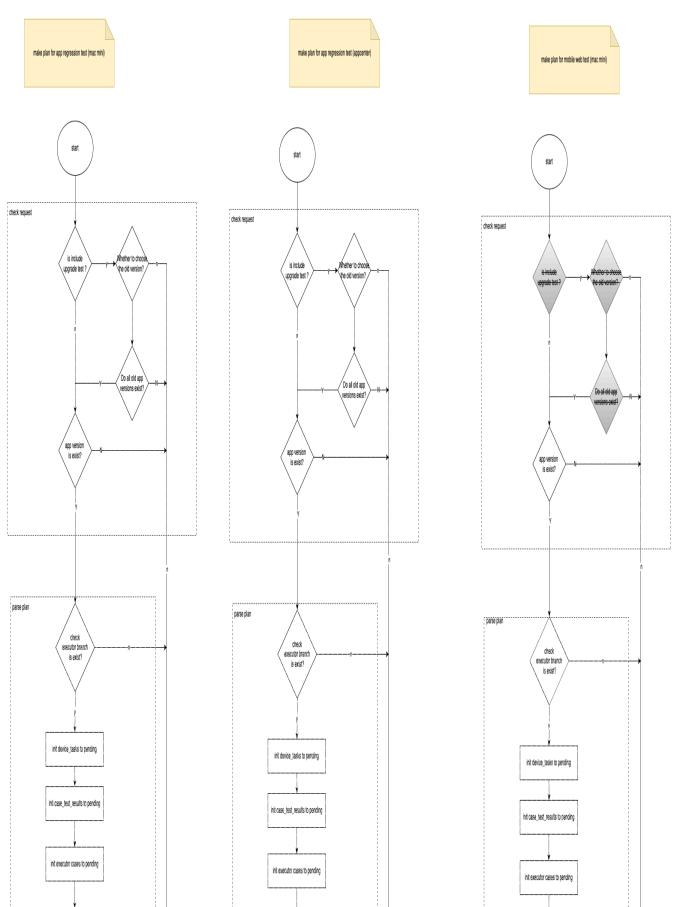


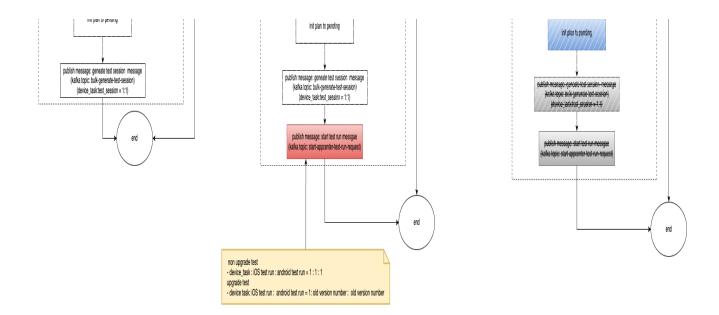


function: make plan

- make plan for app regression test (mac mini)
- make plan for app regression test (appcenter)
- make plan for mobile web test (mac mini)



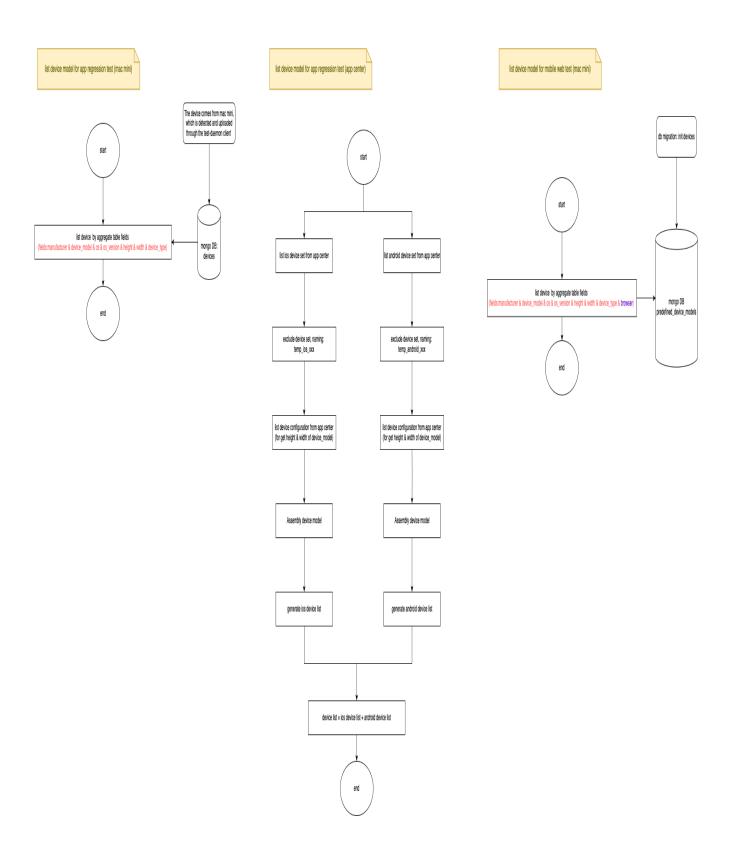




test-device-service

function: list device model

- list device model for app regresstion test (mac mini)
- list device model for app regression test (appcenter)
- list device model for mobile web test (mac mini)

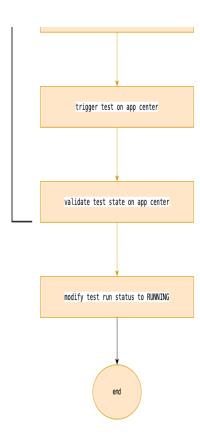


appcenter-service

job: start test run job

job: finish test run job

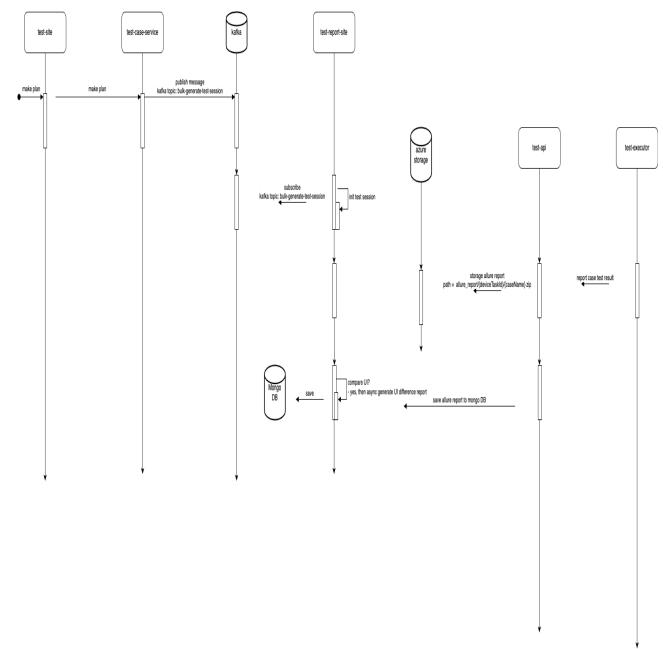
```
1 schedule().fixedRate("finish-test-run-job", bind(FinishTestRunJob.class), Duration.ofSeconds(10));
```



test-report-site

Sequence diagram





generate Allure Report (Embedded web project)

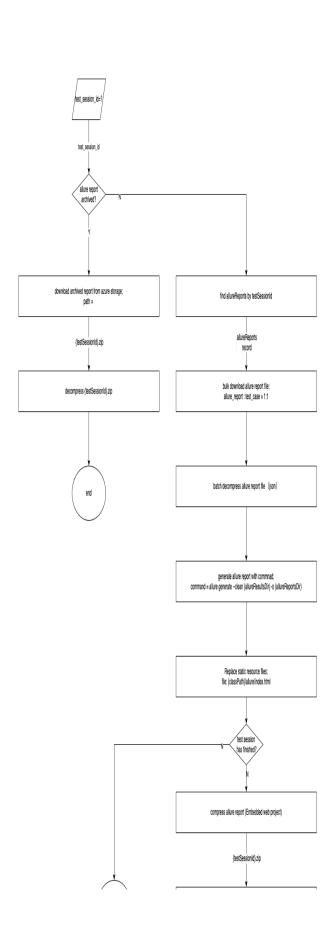
- forntend service:
 - pre-saved file: app.js & styles.css, location:

- backend service, generate allure report (Embedded web project)
 - o pre-saved file: index.html, location:

2 ├─ allure 3 │ └─ index.html

• generate flow diagram

generate allure report web project



```
best-epon-sie-honiend:
allure/Report/Path: /allure-report/(testSessionId)/allure-reports/index.html

ciframe key=(temp) scroling="yes" title="report" width="1000" frameBorder="0" src={allureReportPath} />

APE. MuseReportANOWebSevins generate()

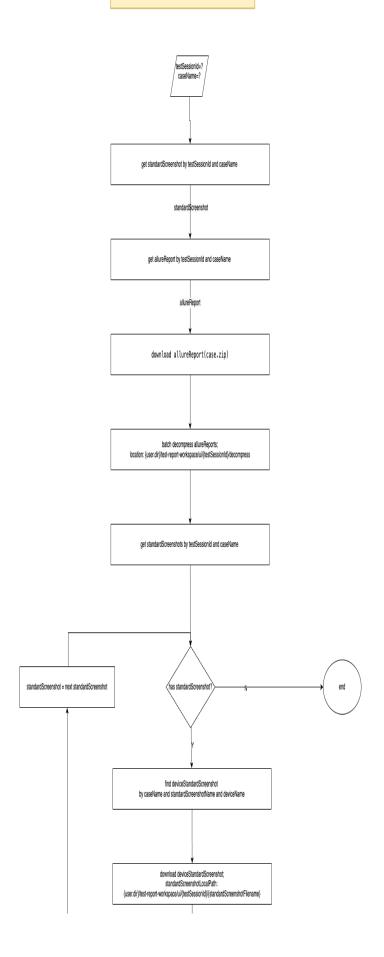
workspace

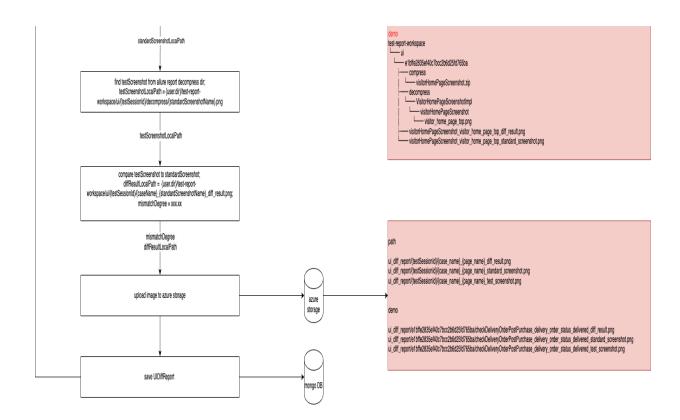
best-epon-exchapace

- allure
- allure totle2005s40c7bc2b6256075ba
- allure-reports
- acaps
- data
- export
- texton.bo
- instory-tend.json
- instory
```



generate UI difference Report



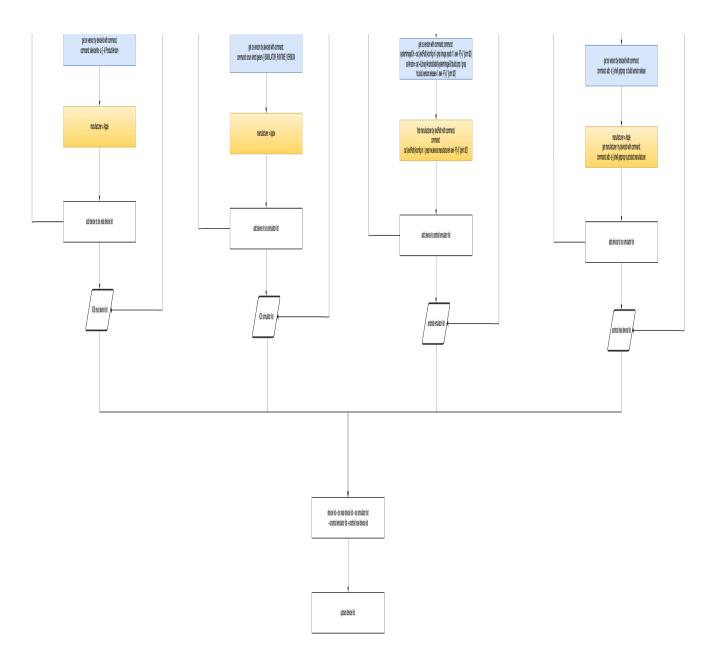


Client

test-daemon

job: upload device

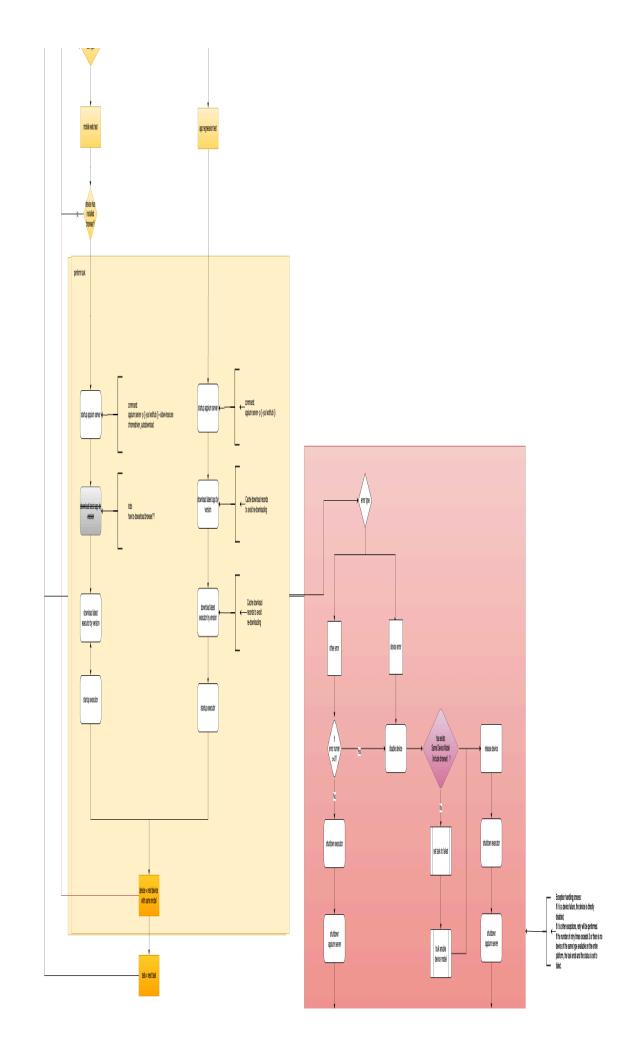
```
schedule().fixedRate("upload-device-job", bind(UploadDeviceJob.class), Duration.ofSeconds(10));
```

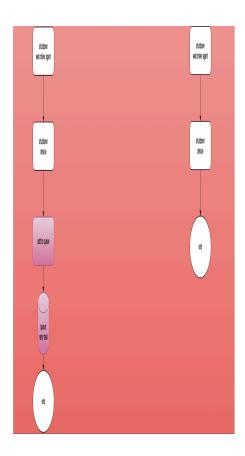


job: run executor

schedule().fixedRate("startup-test-executor-job", bind(StartupExecutorJob.class), Duration.ofSeconds(10));

task source: check executor version, error retry, next pending task priority: check executor version > error retry > next pending task





How to use?

■ User Guides