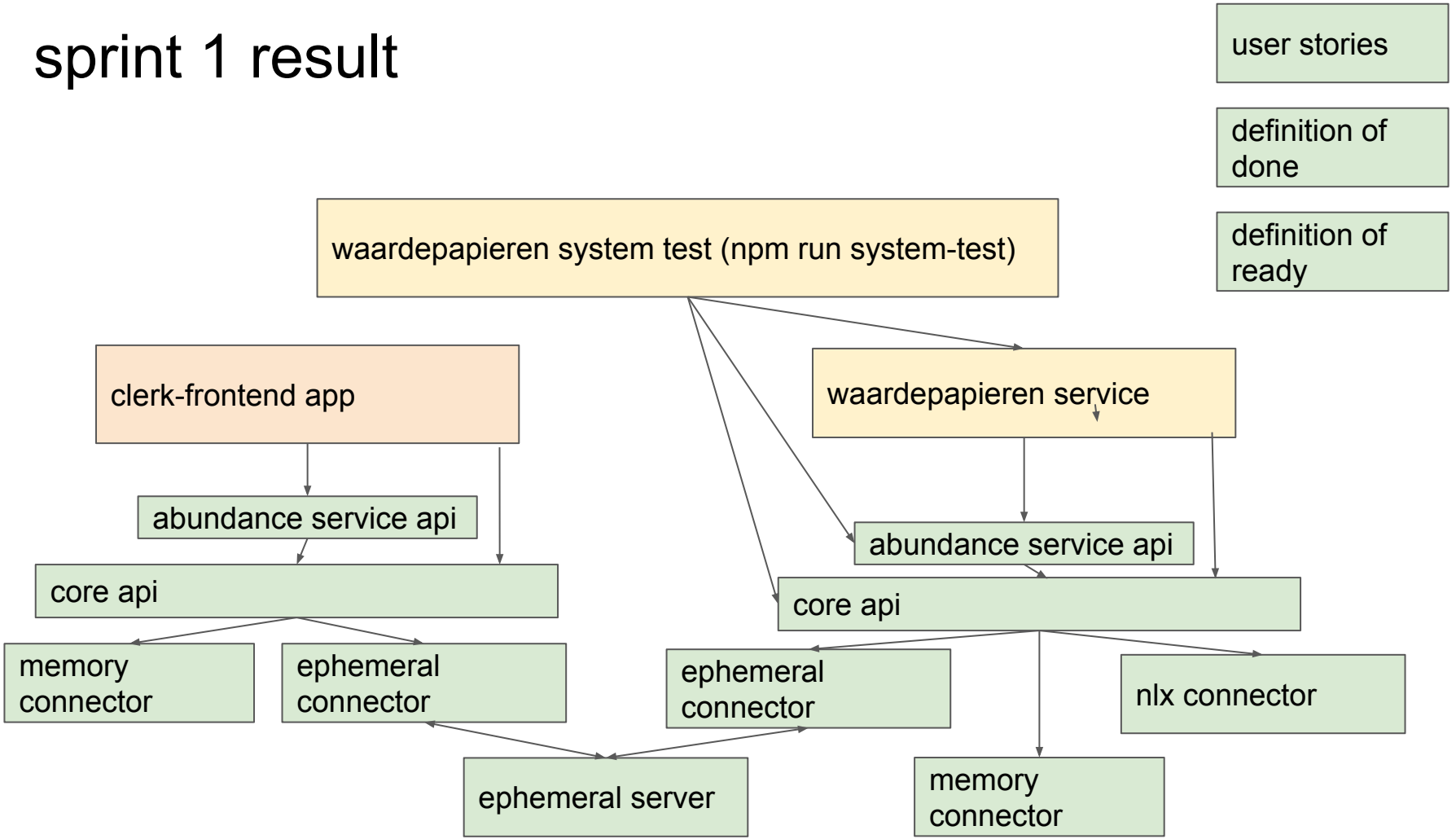
waardepapieren

sprint demo 1 / planning 2

sprint 1 result



sprint 1 result

- quality improvements existing code: using lint, mocha+sinon tests etc.
- discipl NLX connector succesfully calls a GBA service through NLX
- core api debugged, observe (former subscribe) function implemented
- memory connector updated
- ephemeral connector/server (next slide) implemented (some issues WIP)
- a (very minimal) implementation of abundance service added
- A clerk front end app with a first dummy form created
- A waardepapieren service script created (which starts a ephemeral server and listens to clients to service) (WIP)
- A system test added that tests the whole scenario (WIP)

Key decisions

- Focus on paper wallet with data from NLX call, signed with NLX outway key as proof
  - using NLX keys and its distribution will make official adoption less hard
  - paper wallet only implementation is MVP

- No webservice (restapi, jsonrpc) for core api; core api is client side only as intended
  - private key needs to stay on client device

- Build a lightweight custom ephemeral “platform” and connector for it:
  - based on the memory connector
  - single (local) server node with jsonrpc interface to connector api
  - multiple clients can connect to server to hold their claims
  - claims are stored only temporarily (for as long as a session may take) in memory
  - intended to enforce rights management (4sacan)
  - is close in usage to other (DLT) platforms that may be used instead or in parallel in future

- abundance service component only very minimal implementation

impediments

- team was not complete (at 55%) : private circumstances / illness
- the sprint was found to be too short. Multiple stakeholders suggest a 3 week sprint

implications:

- most work done is at a technical level
- documentation and work around architecture falls behind
- quite a part has not yet been merged to master
- no user stories are Done irt DoD

demo

you can checkout the following repositories and do:

- npm install
- npm test

  - core
  - discipl-core-memory
  - discipl-core-ephemeral
  - discipl-core-nlx#waardepapieren-issue6/basic-nlx-connector (*)
  - discipl-abundance-service
  - waardepapieren/clerk-frontend#feature/waardepapieren-service (**)
  - waardepapieren/waardepapieren-service#feature/waardepapieren-service (*)

*) you can also do a “sudo npm run system-test” for full integration test (though follow README.md for requirements and obtaining things like NLX certificates)
**) you can do a “npm start” to start up a local http server hosting the webapplication
⛏ note that latest versions are not always merged to master (yet), so it really all is WIP