

Release notes ATM sprint 3

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Project management tool

For the project management tool we used [Jira](#).

CI/CD pipelines and repository links

Platform (frontend)

- Log in functionality (creating account or google login)
- Added a screen to import EA's and then run a test.
- <https://github.com/S-A-RB05/platform>

Strategy service

- Initialized repository
- Added EA storing functionality
- <https://github.com/S-A-RB05/StratService>

Test Manager service

- Initialized repository
- Can run tests by starting a docker container containing MetaTrader
- <https://github.com/S-A-RB05/TestManager>

Docker image pipelines

- When pushing to the main branch of the repo, a docker image gets built and is put onto docker hub, making it easily accessible for the stakeholder. This is made for the Platform, StratService and TestManager Service.
- <https://github.com/S-A-RB05/StratService/actions/workflows/docker-image.yml>
- <https://github.com/S-A-RB05/TestManager/actions/workflows/docker-image.yml>
- <https://github.com/S-A-RB05/platform/blob/main/.github/workflows/docker-image.yml>

Go build and test pipelines

- The pipeline tries to build the project when pushing, making sure the build doesn't have any build errors. It then runs any tests that the service has.
- <https://github.com/S-A-RB05/StratService/actions/workflows/go.yml>
- <https://github.com/S-A-RB05/TestManager/actions/workflows/go.yml>

With these pipelines in place, assuming the code is covered by tests, we can automate the process of checking functionality, avoiding build errors and the deployment of the application.

Sprint goals

As a trader I want be able to upload my trading strategies so I can pass them down to the test program

- As a trader I want to be able to run a strategy test so I can test strategies
- As the system I want to scale the number of tests that run so a user can easily run a lot of tests
- As a trader I want to enter different variable ranges in the frontend.

- As a trader I want to generate a config file of my selected variables.
- As a trader I want to see test results on the platform
- As a trader I want the test results to be saved in a database so I can always look them back up again.
- As a trader I want to receive advice based on the saved test results so I can determine the best strategy

Sprint achievements

- Metatrader config generation from UI
- progress on research
- Part of the flow done
- Scalable docker version 3.0
- Kubernetes cluster with jobs controlled by TestManager
- Microservice messaging

Sprint retrospective

Keep doing:

- Veel onderzoeken afgerond
- Flow heeft al goede progressie

Should Improve:

- Flow is nog niet helemaal af (blocked door research)
- Niet aan advice toegekomen

Sprint planning

For sprint 4 we will be working on completing the flow.

- As a trader I want to be able to run a strategy test so I can test strategies
- As the system I want to scale the amount of tests that run so a user can easily run a lot of tests
- As a trader I want to see test results on the platform
- As a trader I want the test results to be saved in a database so I can always look them back up again.
- ~~As a trader I want to receive advice based on the saved test results so I can determine the best strategy~~