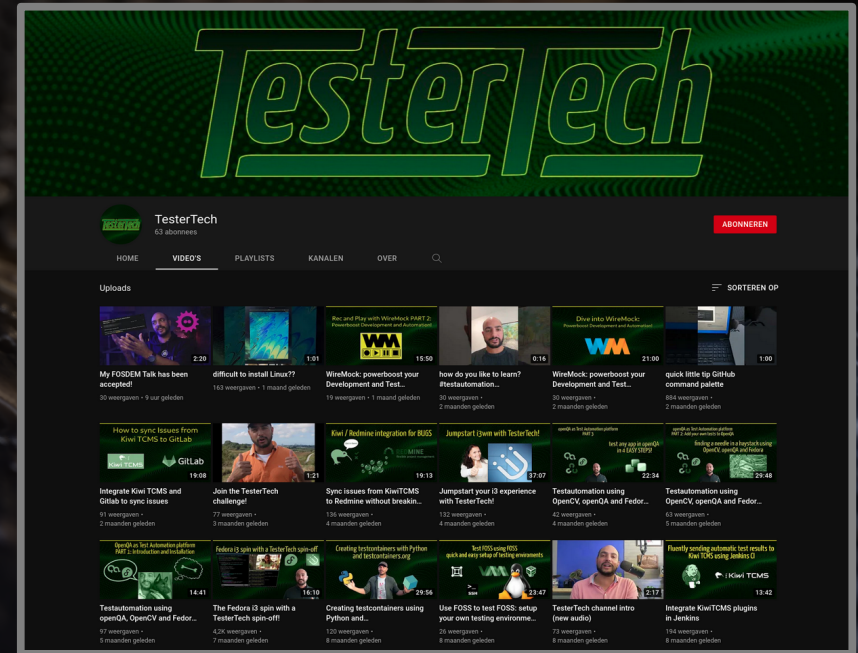# whoami

- endegraaf

- Consultant since 2005

  - Test Automation Architect / Coach / Engineer

  - Trainer / mentor / inspirator

- Automation for software testing,
  Coaching in test automation

- Helping teams to TA success

- YouTube channel as a hobby giving back

  - https://www.youtube.com/c/EricdeGraaf

Famous Quote that I love:

The W. EDWARDS **Deming Institute**

Cease dependence on inspection to achieve quality. Eliminate the need for inspection on a mass basis by building quality into the product in the first place.

W. Edwards Deming

source: quotes.deming.org/1611

YouTube https://www.youtube.com/c/EricdeGraaf

Some constraints for these tools

The tool MUST be OpenSource

- The tool is released and free to use *within given lic. model*

- Source code available for review and modification

Cross platform: run on Mac, Windows and Linux

→ Will demo on recent Fedora Linux

Must be installable be me ***at least***

- If I can't even…. others will prob. stuggle as well

- Will follow provided documentation to my best

- Installed locally (not one click cloud)

▶ YouTube https://www.youtube.com/c/EricdeGraaf

Test Automation setup phazes (hi-level)

REQUIREMENTS / EXPECTATIONS

- Goals with TA

- TA strategy / release process fit

- Match SUT architecture &
  team way of working

GETTING STARTED

- Defining the complete toolset to
  reach set goals

- Embedding TA tool in test/release
  process (incl. pipeline)

- Installing the tool / run an example
  testcase / make your own test case

USING THE TA SOLUTION

- Speed of execution

- Maintenance
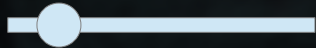
- Support

- Logging, reporting, dashboarding

TesterTech

▶ YouTube https://www.youtube.com/c/EricdeGraaf

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USING THE TA SOLUTION

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Focus area for this presentation

YouTube https://www.youtube.com/c/EricdeGraaf

Disclaimer

- There is not such thing as a silver bullet for TA!

- Opinions are my own

- Scooring is done for the storyline and by no means complete

- Huge shoutout to all the OSS developers of these projects

YouTube https://www.youtube.com/c/EricdeGraaf

"Score" Card

Ease of installation
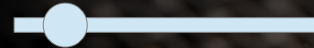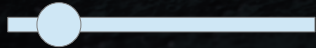
Run examples provided

Speed of execution
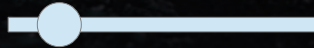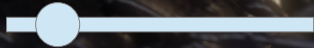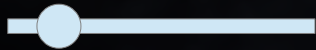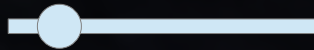
Short summary of OSS project

Since when is it available

Website

Repo

Authoring of test cases

Logging / debugging

Dashboading and reporting

Pipeline integration

Community support

Note: this scooring is done totally subjectively by me, mainly to give a storyline to this talk. Take it with a grain of salt in that regard.
Do what's best for your own needs and choose the right tool, remember, there is no silver bullet for test automation.

▶ YouTube https://www.youtube.com/c/EricdeGraaf

SeleniumBase

Ease of installation
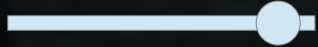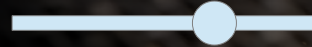
Run examples provided

Speed of execution

Authoring of test cases

Logging / debugging

Dashboading and reporting

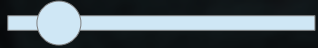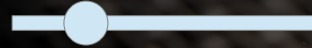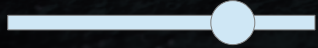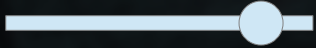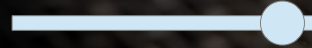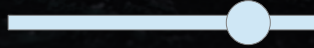Pipeline integration
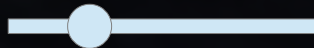
Community support

Short summary of OSS project

- Official release 2016

- https://seleniumbase.io

- https://github.com/seleniumbase/SeleniumBase

YouTube https://www.youtube.com/c/EricdeGraaf

Cerberus

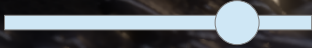Ease of installation

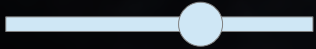Run examples provided

Speed of execution

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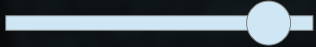*Short summary of OSS project*

- 1st commit on Github 2013

- https://cerberus-testing.com

- https://github.com/
  cerberustesting
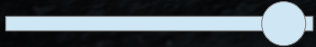
Cypress

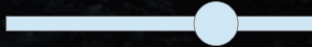Ease of installation

Run examples provided

Speed of execution

Authoring of test cases

Logging / debugging

Dashboading and reporting

Pipeline integration

Community support

Short summary of OSS project

- 1st Github commit 2014

- https://www.cypress.io/

- https://github.com/cypress-io/cypress

RobotFramework

Ease of installation
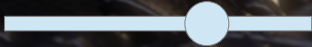
Run examples provided

Speed of execution

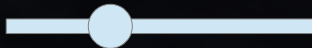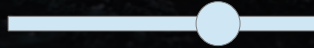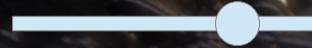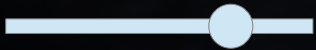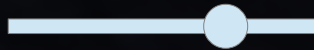Authoring of test cases

Logging / debugging

Dashboading and reporting

Pipeline integration

Community support

Short summary of OSS project

- 1st version 2005

- https://robotframework.org

- https://github.com/
  robotframework

Cucumber-JVM

Ease of installation

Run examples provided

Speed of execution

- 1st version 2012

- https://cucumber.io/

- https://github.com/
  cucumber/cucumber-jvm

Authoring of test cases

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YouTube https://www.youtube.com/c/EricdeGraaf

To be concluded

Thank you!

YouTube https://www.youtube.com/c/EricdeGraaf