COMPARISON OF DIFFERENT CI SERVICES

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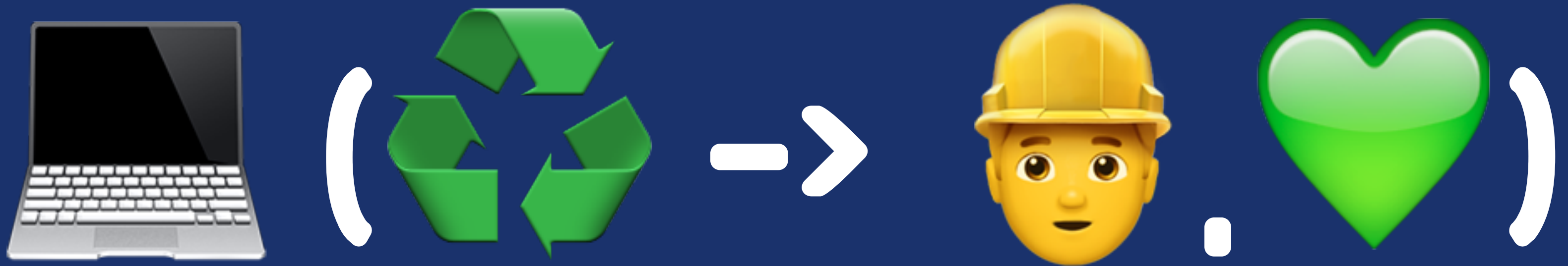
CONTINOUS INTEGRATION
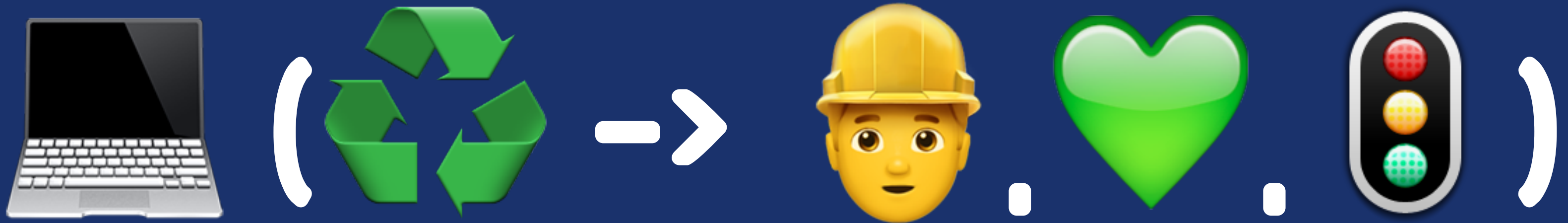
NO CI (MANUAL – 🕐) (PR)
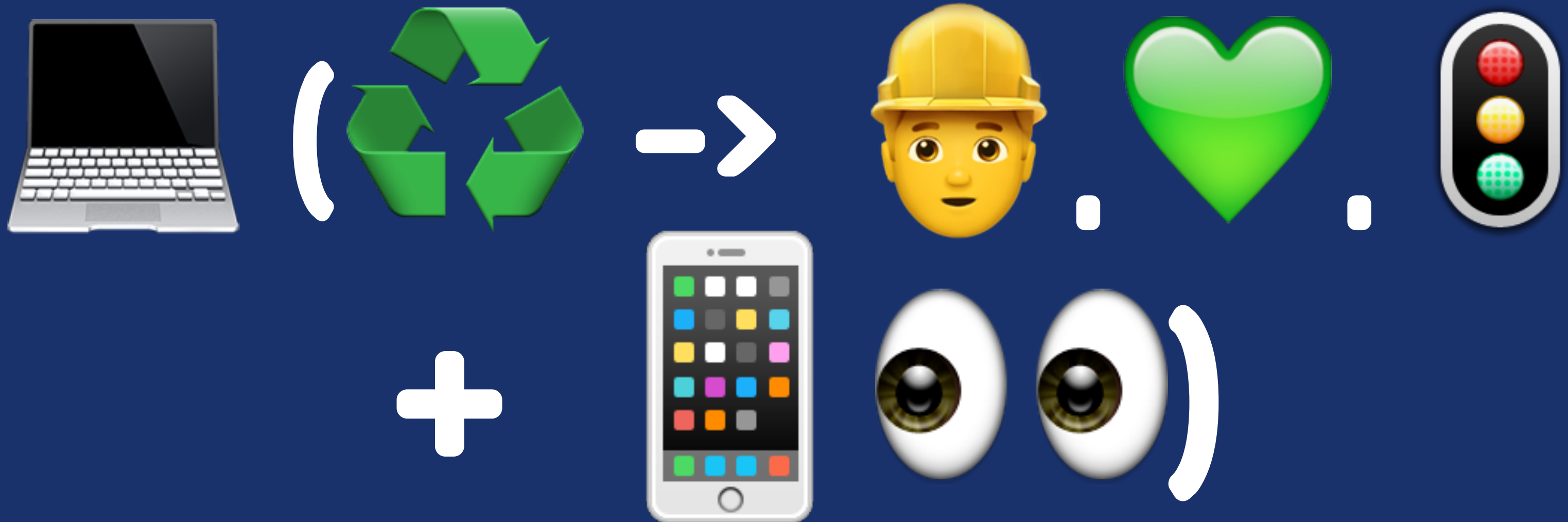
💻 (♻️ —➤ 👷)

NO CI (MANUAL – 🕐) (PR)

💻 (♻️ –> 👷 . 💚)

NO CI (MANUAL – 🕐) (PR)

💻 (♻️ –› 👷.💚.🚦)

NO CI (MANUAL – 🕐) (PR)

NO CI (MANUAL – 🕐) (PR)

💻 (♻️ ➡️ 👷 . 💚 . 🚦

+ 📱 👀 + 🚀)
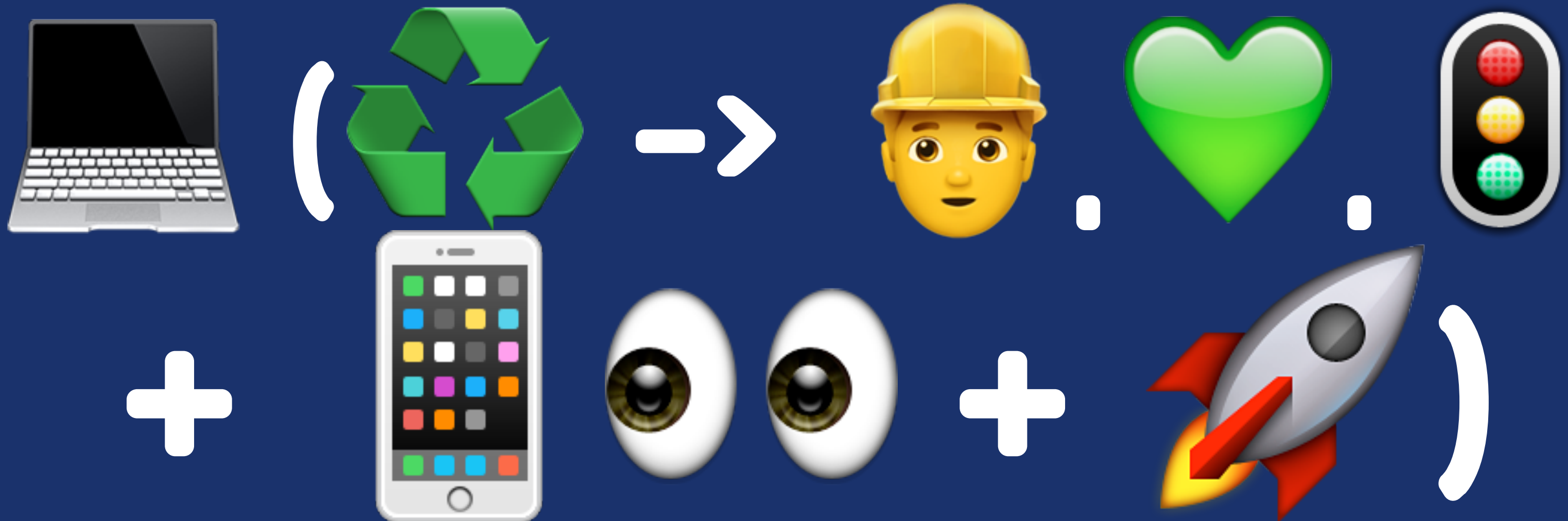
CONTINUOUS INTEGRATION (AUTO + 🕐)

☁️ (♻️ -> 👷 . 💚 . 🚦

\+ 📱 👀 \+ 🚀 \+ 📫)
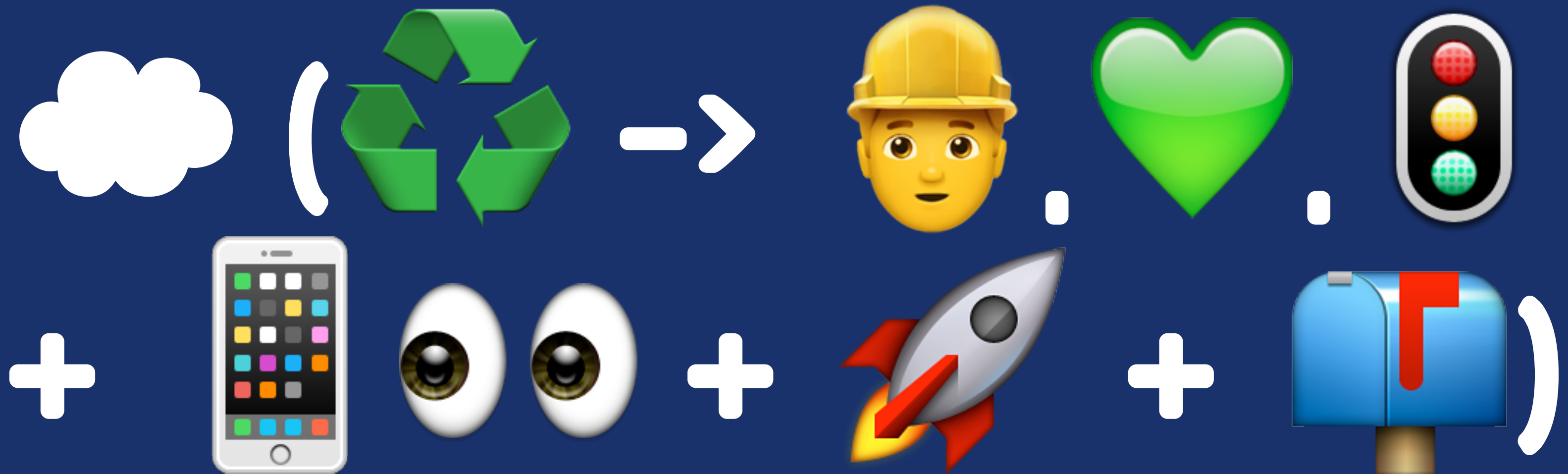
CONTINUOUS INTEGRATION (AUTO + 🕐)

> 👷 BUILD

> 💚 UNIT TESTS

> 🚦 STATIC CODE ANALYSIS

> 📱👀 UI TESTS

> 🚀 DEPLOY

> 📬 NOTIFY

SUCCESS!

Работаем дальше

FAILURE!

Ребята, совещание

EXISTING CI'S

EXISTING CI'S

> JENKINS

> TEAMCITY

> GITLAB CI

> TRAVIS CI

> ... (10+)

WHICH ONE TO CHOOSE?

COMPARISON OF DIFFERENT CI TOOLS

MY EXPERIENCE

> **JENKINS** – 2 YEARS + CONTRIBUTION

> **BITRISE** – 1.5 YEARS + CONTRIBUTION

> **TRAVIS** – 1.5 YEARS

MY EXPERIENCE

> **JENKINS** – 2 YEARS + CONTRIBUTION

> **BITRISE** – 1.5 YEARS + CONTRIBUTION

> **TRAVIS** – 1.5 YEARS

> **TEAMCITY, CIRCLE CI, SHIPPABLE, BUDDYBUILD** – BASICS

WHICH ONE TO CHOOSE?

HTTPS://GITHUB.COM/VGAIDARJI/CI-MATTERS

WHICH ONE TO CHOOSE?

- ☑ Jenkins
- ☑ Travis CI `build` `passing`
- ☑ Bitrise `Bitrise` `passing`
- ☑ TeamCity
- ☑ BuddyBuild `buddybuild` ✓
- ☑ Shippable `run` `shippable` `coverage` `100%`

TODO

- ☐ GreenHouse
- ☐ Gitlab CI
- ☐ Circle CI
- ☐ Drone.io
- ☐ Snap CI

CI	🧵,👷,🔍🐛,🚥,📬	📱👀	🚀	📄	📈	👤🙌/☁️	📻/💻	💵
Jenkins	⭐	⭐	⭐	⭐	⭐	👤🙌	📻/💻	FREE
TeamCity	⭐	⭐	⭐	⭐	⭐	👤🙌/☁️	💻	💰💰💰
Travis CI	⭐	⭐	⭐	⭐	❌	☁️	💻	💰💰
Bitrise	⭐	⭐	⭐	⭐	❌	☁️	💻	💰💰
Shippable	⭐	⭐	⭐	⭐	❌	☁️	📻	💰
Buddybuild	⭐	⭐	❌	❌	❌	☁️	💻	💰💰
Gitlab CI	.	.	.	.	.	.	.	💰
Circle CI	.	.	.	.	.	.	.	💰
GreenHouse	.	.	.	.	.	.	.	💰💰
Drone.io	.	.	.	.	.	.	.	💰
Snap CI	.	.	.	.	.	.	.	💰

1. 🧵 - clone 2. 👷 - build 3. 🔍🐛 - test 4. 🚥 - analyse 5. 📬 - notify

2. 📱👀 - UI tests 7. 🚀 - deploy 8. 📄 - configuration file 9. 📈 - visual reports

3. 👤🙌/☁️ - self-hosted/cloud 11. 📻/💻 - CI user interface (old/new) 12. 💵 - price

CHOICE #1 JENKINS

CHOICE #1 JENKINS

> SELF/CLOUD

CHOICE #1 JENKINS

> SELF/CLOUD

> COMMUNITY

CHOICE #1 JENKINS

> SELF/CLOUD

> COMMUNITY

> 1000+ INTEGRATIONS

CHOICE #1 JENKINS

> SELF/CLOUD
>
> COMMUNITY
>
> 1000+ INTEGRATIONS
>
> 0/XXX$

CHOICE #1 JENKINS

> SELF/CLOUD

> COMMUNITY

> 1000+ INTEGRATIONS

> 0/XXX$

> 'MASTER NODE' CAN BE SLOW

CHOICE #2 BITRISE

CHOICE #2 BITRISE

> CLOUD

CHOICE #2 BITRISE

> CLOUD

> SUPPORT

CHOICE #2 BITRISE

> CLOUD

> SUPPORT

> 50+ INTEGRATIONS

CHOICE #2 BITRISE

> CLOUD

> SUPPORT

> 50+ INTEGRATIONS

> 50$/MONTH

CHOICE #2 BITRISE

> CLOUD
> SUPPORT
> 50+ INTEGRATIONS
> 50$/MONTH
> BUILD PREPARATION TIME (SDK)

CHOICE #3 TRAVIS

CHOICE #3 TRAVIS

> CLOUD

CHOICE #3 TRAVIS

> CLOUD

> COMMUNITY

CHOICE #3 TRAVIS

> CLOUD

> COMMUNITY

> 10+ INTEGRATIONS

CHOICE #3 TRAVIS

> CLOUD

> COMMUNITY

> 10+ INTEGRATIONS

> 69$/MONTH

CHOICE #3 TRAVIS

> CLOUD

> COMMUNITY

> 10+ INTEGRATIONS

> 69$/MONTH

> BUILD PREPARATION TIME (SDK)

CHOICE #4 TEAMCITY

CHOICE #4 TEAMCITY

> SELF/CLOUD

CHOICE #4 TEAMCITY

> SELF/CLOUD

> DOCUMENTATION

CHOICE #4 TEAMCITY

> SELF/CLOUD

> DOCUMENTATION

> 100+ INTEGRATIONS

CHOICE #4 TEAMCITY

> SELF/CLOUD

> DOCUMENTATION

> 100+ INTEGRATIONS

> 299$

CHOICE #4 TEAMCITY

- > SELF/CLOUD
- > DOCUMENTATION
- > 100+ INTEGRATIONS
- > 299$
- > LESS FREEDOM, MORE STABILITY

CHOICE #5 CIRCLE CI

CHOICE #5 CIRCLE CI

- CLOSE TO TRAVIS CI

CHOICE #5 CIRCLE CI

- CLOSE TO TRAVIS CI
- SSH ACCESS

CHOICE #5 CIRCLE CI

- CLOSE TO TRAVIS CI
- SSH ACCESS
- PARALLEL TESTS

CHOICE #6 BUDDYBUILD

CHOICE #6 BUDDYBUILD

'AUTOMATIC'

CHOICE #7 SHIPPABLE

CHOICE #7 SHIPPABLE

BE READY FOR DOCKER

SUMMARY

SUMMARY

1. JENKINS OR TEAMCITY FOR COMPLEX WORKFLOW

SUMMARY

1. **JENKINS** OR **TEAMCITY** FOR COMPLEX WORKFLOW

2. **TRAVIS CI** FOR OS PROJECTS (SIMPLE WORKFLOW)

SUMMARY

1. **JENKINS** OR **TEAMCITY** FOR COMPLEX WORKFLOW
2. **TRAVIS CI** FOR OS PROJECTS (SIMPLE WORKFLOW)
3. **BITRISE.IO** FOR ANY WORKFLOW

SUMMARY

1. **JENKINS** OR **TEAMCITY** FOR COMPLEX WORKFLOW
2. **TRAVIS CI** FOR OS PROJECTS (SIMPLE WORKFLOW)
3. **BITRISE.IO** FOR ANY WORKFLOW
4. **CLOUD** VS **SELF-HOSTED**

Q&A

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GH: VGAIDARJI/CI-MATTERS