

Is it really Easy? How much time EB saved us

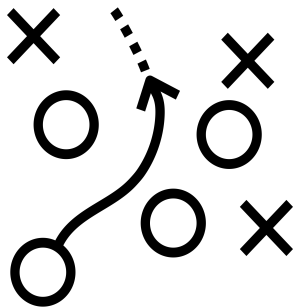
Helena Vela Beltran
EUM'25



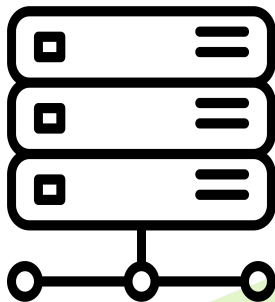
Who we are?



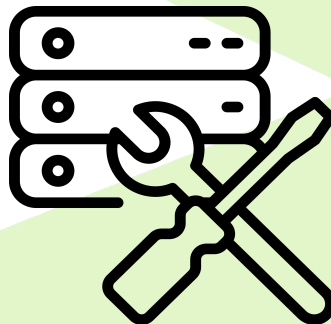
What we offer?



CONSULTING



INSTALLATION

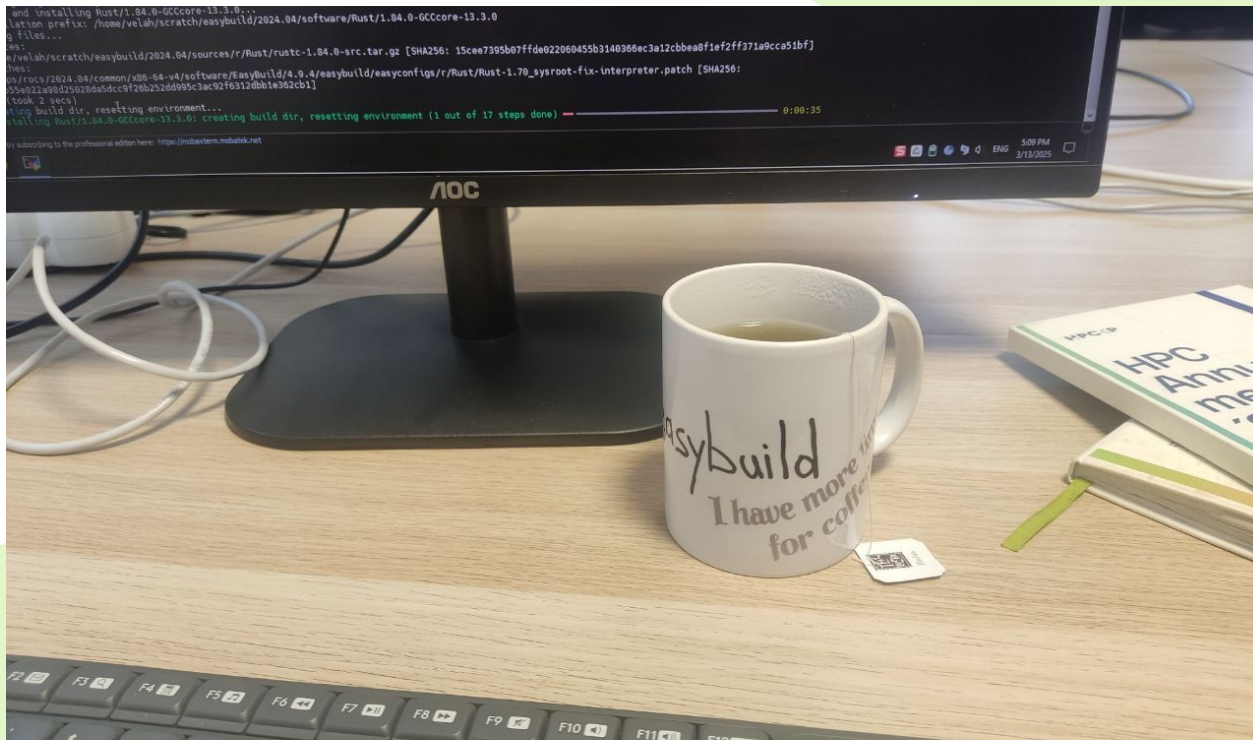


SUPPORT

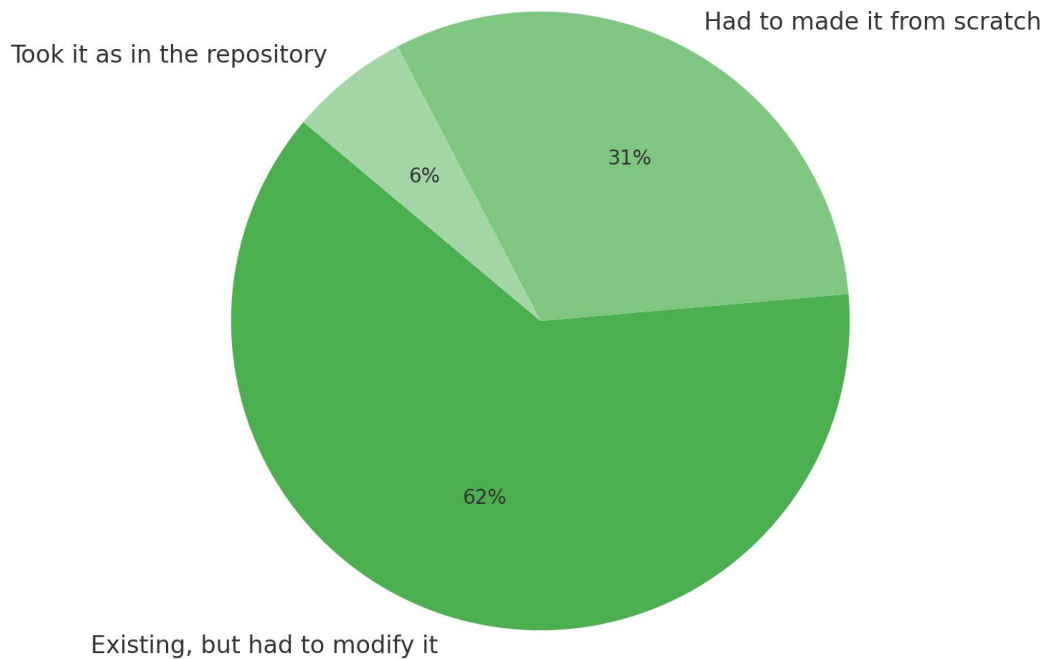


R&D-as-a-Service

The EB Installation Blues

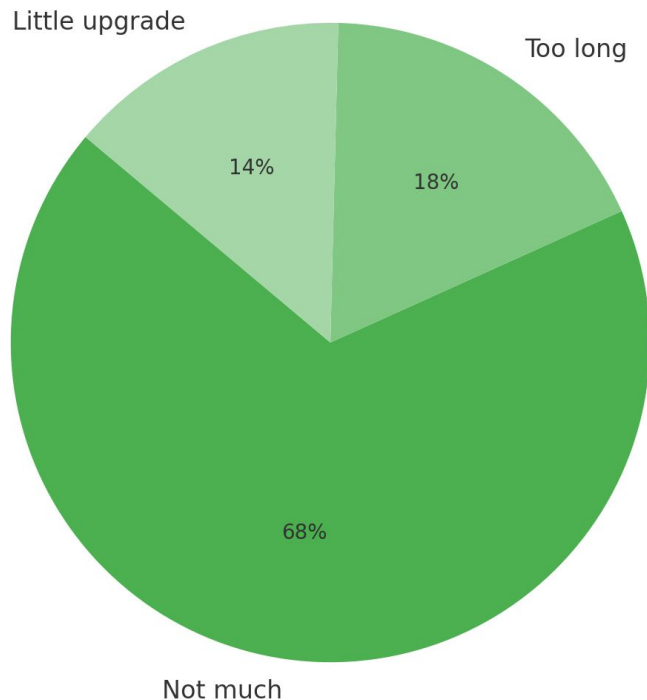


Working "Out of the Box"



Only 6% worked straight from the repo!!!

Simplified Time Taken to Write/Modify Recipes



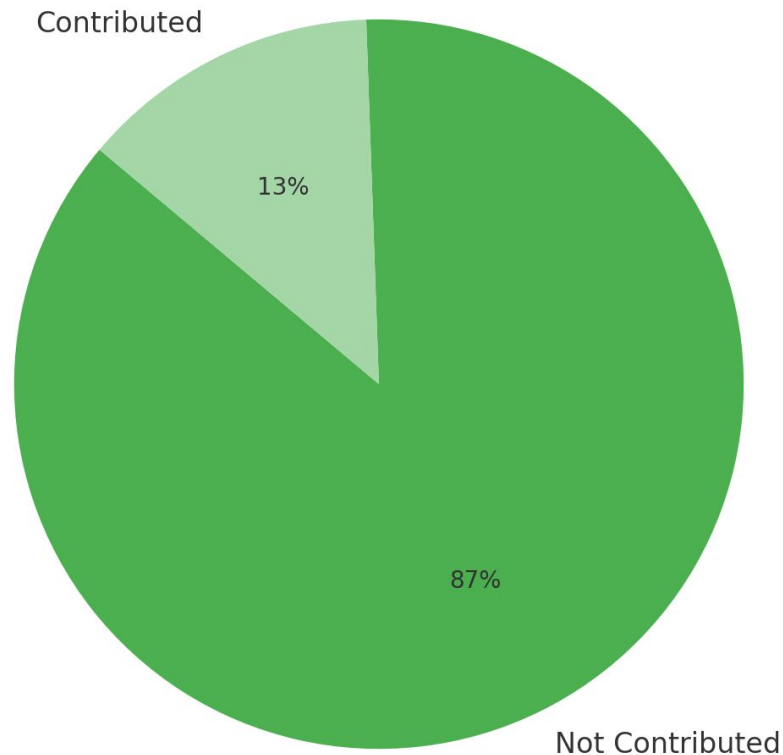
“Little upgrade” is just:

- Version update
- Toolchain upgrade
- Or both

The gift of reciprocity?

From that 13%, half were updates and the other half were recipes done by scratch.

Contributions from Modified or Created Recipes



Why not contributing back?

Smaller clients

- Old software
- Imposter syndrome
- The burden of configuring git

Bigger clients

- Too many ugly hacks
- Old toolchains
- General proprietary software
- NDA signed recipes

The gift of REPRODUCIBILITY



E E S S I

EUROPEAN ENVIRONMENT FOR
SCIENTIFIC SOFTWARE INSTALLATIONS

The real time-saver

Common unmatched:

- Packages already included in EESSI prefix
- Packages already included in bundles
- Intel toolchains
- Conda family

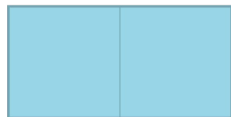
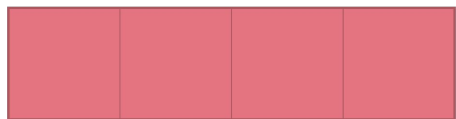
The rest:

- Domain-specific codes
- Developed by the institution

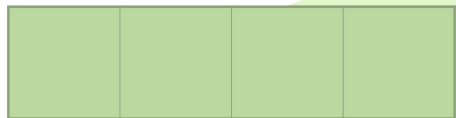
| Institution ID | Total Software | Matches | Coverage (%) |
|----------------|----------------|---------|--------------|
| 1 | 26 | 22 | 84.62 |
| 2 | 57 | 47 | 82.46 |
| 3 | 91 | 74 | 81.32 |
| 4 | 99 | 57 | 57.58 |
| 5 | 147 | 117 | 79.59 |
| 6 | 166 | 129 | 77.71 |
| 7 | 189 | 166 | 87.83 |
| 8 | 285 | 212 | 74.39 |
| 9 | 307 | 208 | 67.75 |
| 10 | 331 | 219 | 66.16 |
| 11 | 372 | 250 | 67.2 |
| 12 | 374 | 276 | 73.8 |
| 13 | 602 | 270 | 44.85 |

Final conclusions

Contribute to EasyBuild AND EESSI :D



EASYBUILD



EESSI
EUROPEAN ENVIRONMENT FOR
SCIENTIFIC SOFTWARE INSTALLATIONS



doitnow

HPC Services

Thank you!

helena.vela@doitnowgroup.com