



# Development of VISA at ILL

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# Agenda

- Developing VISA: overview of different tasks
- ILL Development workflow for VISA
- Total Cost of Ownership (TCO)
- The good / The bad / The ugly
- Questions for the future



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# Developing VISA: overview of different tasks

- Installation (VISA / OpenStack / OS Images) - 3 different profiles
- Maintenance: application and OS Images (easy) - nodes issues (complex)
- Development: new features
- Users Support (currently made by developers)
- Communication (new versions, issues or maintenances period)

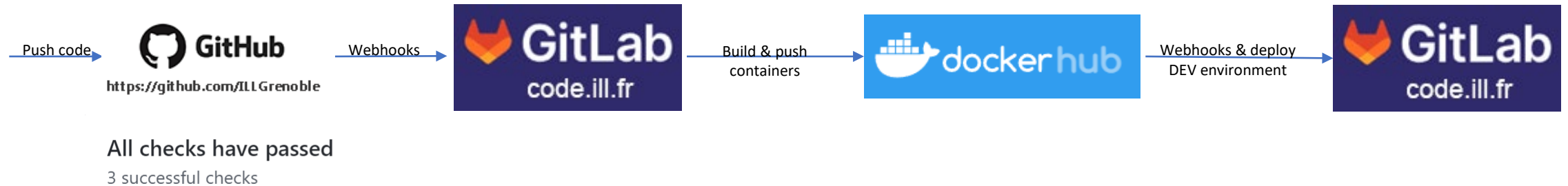


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# ILL Development workflow for VISA

- Example of an application feature



- Warning for future developments: the database model



# Total Cost of Ownership (TCO)

- VISA is not only a software:
  - need decent cloud infra (openstack=> 2 controller nodes + 8 compute nodes ~ 200k€)
  - need some integration (ETL, authorization)
  - need effort to create scientific environment (VM Image + scientific software)
  - need time and skills for maintenance/support
  - need communication with your users (takes time)



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# The good / The bad / The Ugly

- Pure development (Stuart+1), Users satisfaction
- Support not industrialised
- Future developments aren't financed: how to keep going?



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# Questions for the future

## VISA is ready for production

- How to obtain a consensus on future developments?
- How to handle specific developments?
- How to collaborate on developments/avoid forks?
- How to communicate between VISA IT teams?



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# Thanks

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