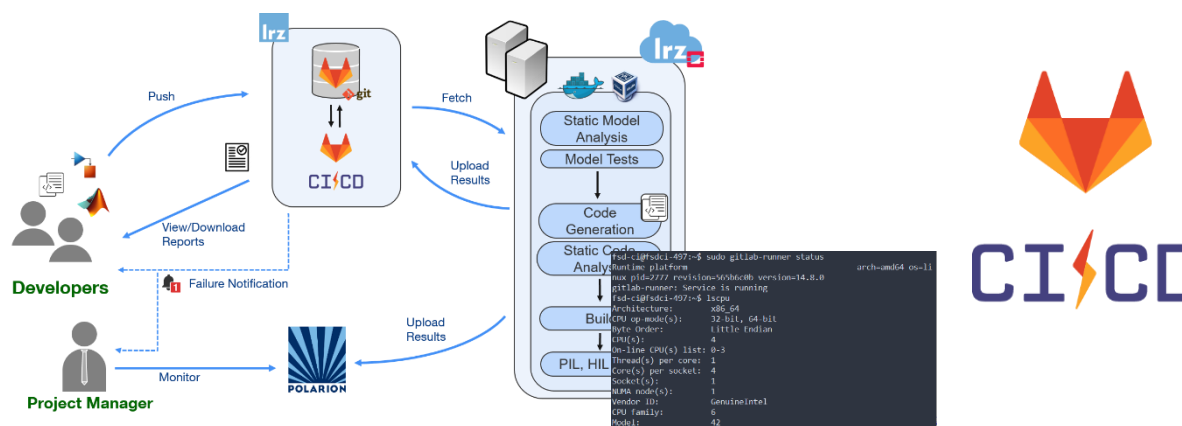


HiWi

# DevOps GitLab Continuous Integration for Agile Flight Control System Development



We at the Institute of Flight System Dynamics (FSD) are using [GitLab CI/CD](#) to implement Continuous Integration (CI) to support our Model-based flight control system development projects, such as for eVTOL and urban air mobility vehicles. To make our git-based software development workflow agile and smooth in both development and operation aspects, we need your skills to design, improve and maintain the CI to take the aircraft to the sky.

## Tasks:

- Setup, maintain CI in real development project of eVTOL
- Establish Docker containerized environment (docker images, docker containers)
- Interface MATLAB-based tools and scripts
- Explore new features and improve the development workflow

## Your Profile:

- Interested in flight control system and software development
- Interested in writing small scripts and willing to explore and learn new tools
- Basic experience in Linux command-line interface (CLI)
- (optional) Experience in MATLAB and Simulink
- (optional) Basic knowledge in git, Docker and yaml

**Start:** Feb 2023 (actual work can start earlier)

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