



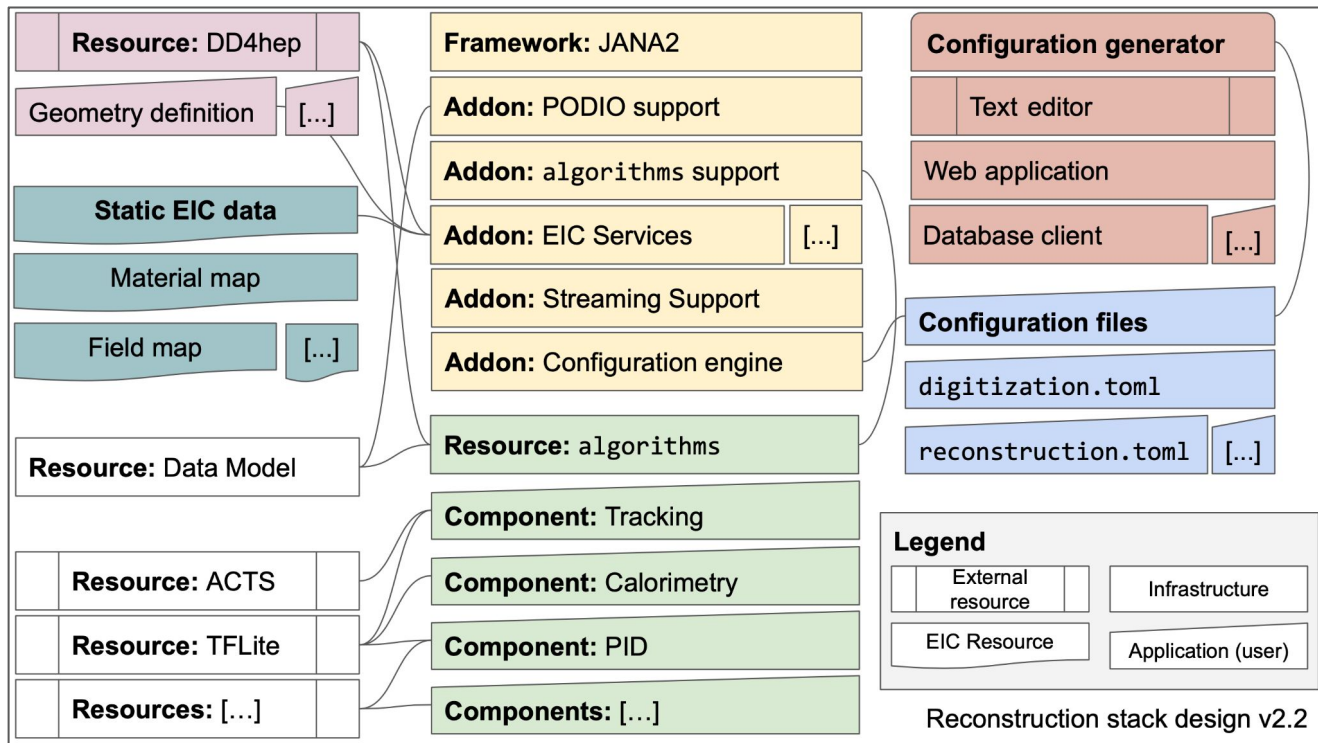
Algorithms, etc.

Evolving the EIC reconstruction stack

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Evolving of the EPIC reconstruction stack design

- Smooth evolution of the current EICRecon stack, **not** another framework change!
- Strictly modular approach reduces scope of each component
- Easier to onboard new users in any singular piece of the stack
- Every user can find their place based on experience and needs
- Better maintainability and more resilient against changing software needs
- Baked-in reproducibility by enforcing configuration files in every workflow



Proposed path forward?

- Ensure a continued stable software stack at any time is part of our core mission. **No regressions!**
- algorithms prototype ready for integration with JANA2/EICRecon
- Meet with refactor task force this week to go towards integrated framework (needs podio data store interactions to be standardized)
- Global design: crystalize the different realms of our reconstruction stack, identify key persons to manage each realm.
 - In particular, identify technological solutions to be implemented
- Start **seamless** migration this month once the prototype is operational.



Thank you!

