



Platform Infrastructure for Agile Software Estimation

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May 12th, 2022

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**How do we balance
the conflicting
preferences of
developers and
their overseers?**



Automation!

Developers want to develop, overseers want lots of data

The Software Acquisition Pathway changed reporting requirements for program management data

Freeing developers to spend more time coding and less time reporting → Good!

But how can overseers collect and utilize the information they need without burdening developers?

Modern problems have modern solutions

Automation capabilities exist for popular COTS development tools like Jira, GitHub, GitLab, etc.

Parsers can be written for textual documentation

Machine learning can speed up forecasts

**Why not provide these capabilities
as enterprise solutions?**

Build on past examples

Platform One

Air Force DevSecOps tooling as a service

Handles boilerplate security and infrastructure needs

Not designed for oversight

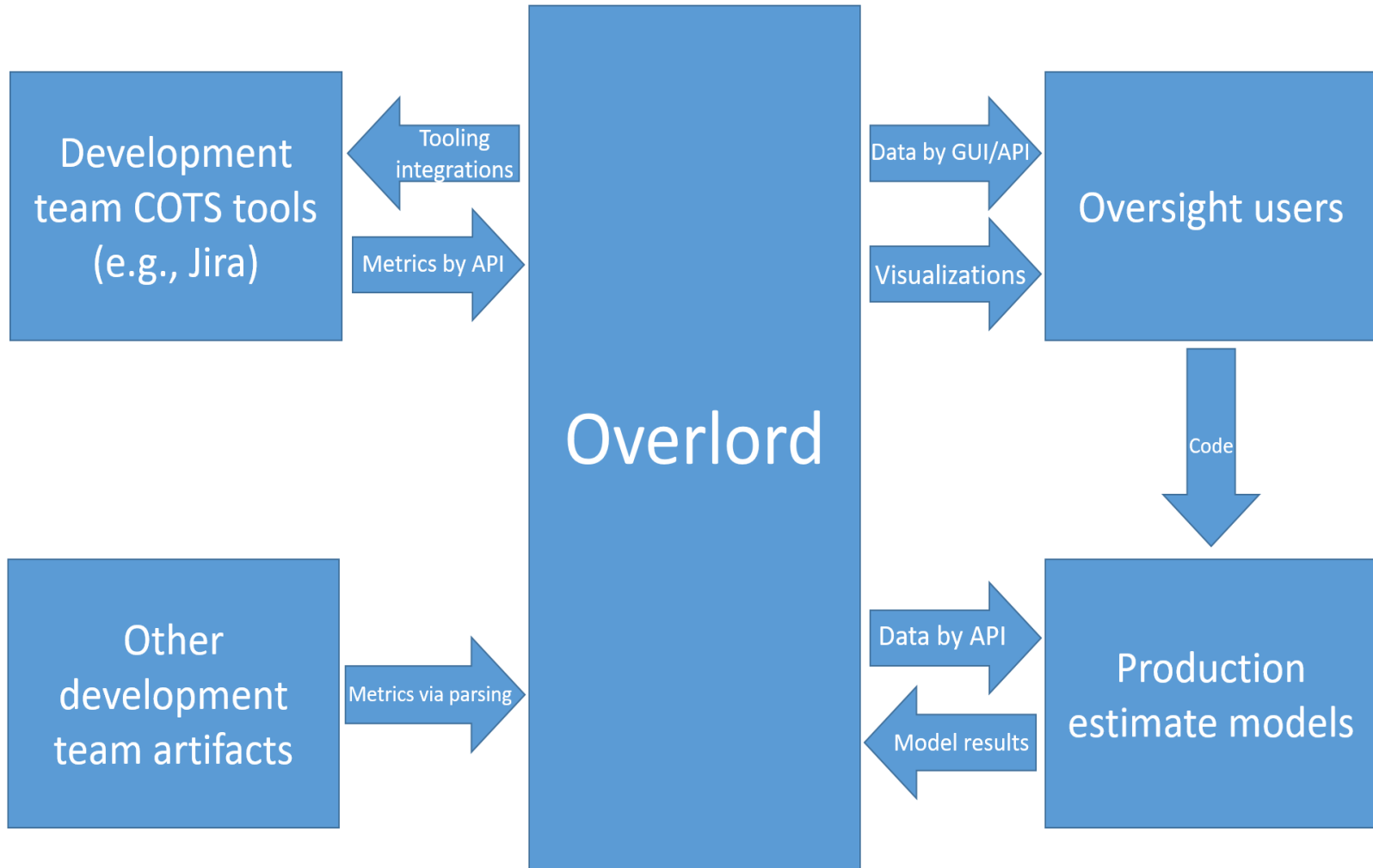
CADE

CAPE data repository for traditional software program reports

Provides search and visualization capabilities

Manual workflows

A new* potential platform: Overlord



*Extending CADE may reduce new effort required

Closing recommendations

OUSD(A&S) and CAPE should collaborate in building any new platform

Utilize talent within CAPE Analysis Data Tools Tiger Team

Follow Software Acquisition Pathway iterative development practices