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# Platform Infrastructure for Agile Software Estimation

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# Platform Infrastructure for Agile Software Estimation

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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

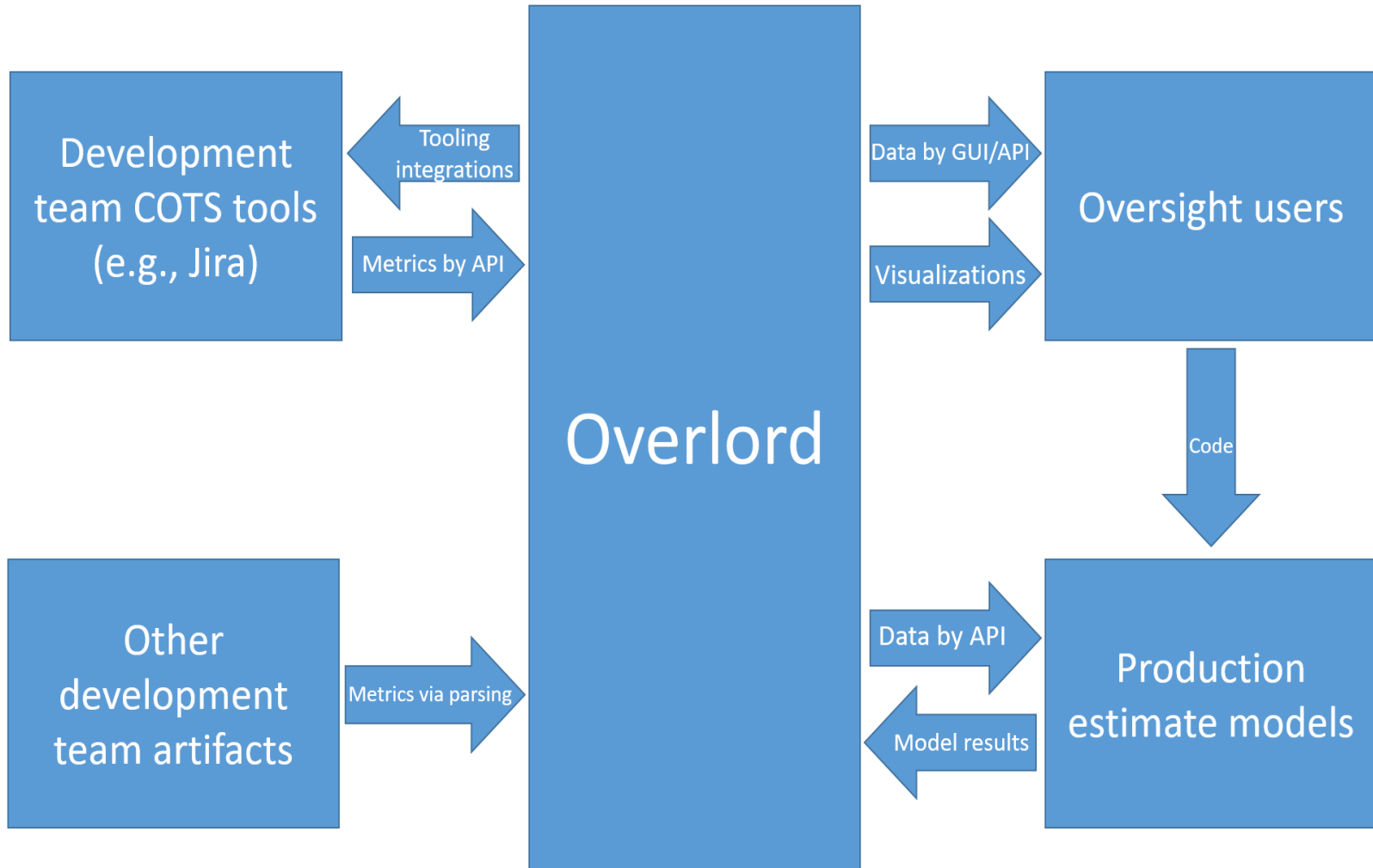
CAPE data repository for traditional software program reports

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