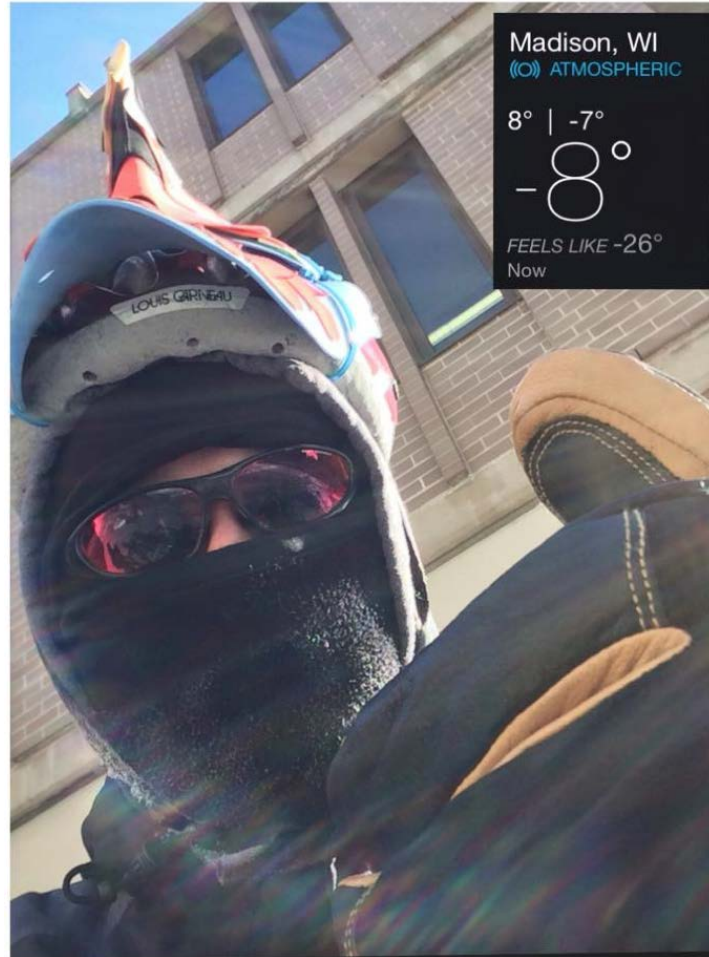


# **EA in Action**

Tech Talks  
Feb 19, 2015

Jim Phelps, Dir. EA and Strategy



Madison, WI  
((O)) ATMOSPHERIC

8° | -7°  
-8°

FEELS LIKE -26°  
Now

**Kintsugi (金継ぎ)**



# Three Broad Foci of EA

Tactical/Project Engagements

Strategic Roadmap Development

EA Practice Maturation

# Tactical/Project Engagements

- Align these efforts with the current understanding of the desired future state.
- Prevent *unforeseen* architectural / technical debt.
- Help teams be enterprise-wide in their vision and analysis.
- Bring an outsider view to the table.
- Realign the vision for the future state based on the impact of the project - new capabilities, deprecation of old, etc.

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We need to extract the data from Workday and make it available to campus via a variety of methods.



HR/P Enterprise Integration Platform

# Tactical/Project Engagements

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We need to capture the new data definitions and data mappings created by HR/P Implementation



HR/P Metadata Mapping & Metadata Tool



# Tactical/Project Engagements

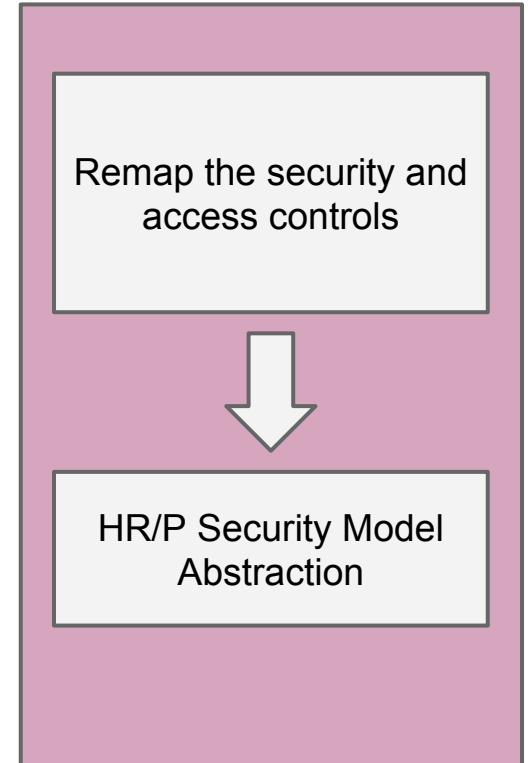
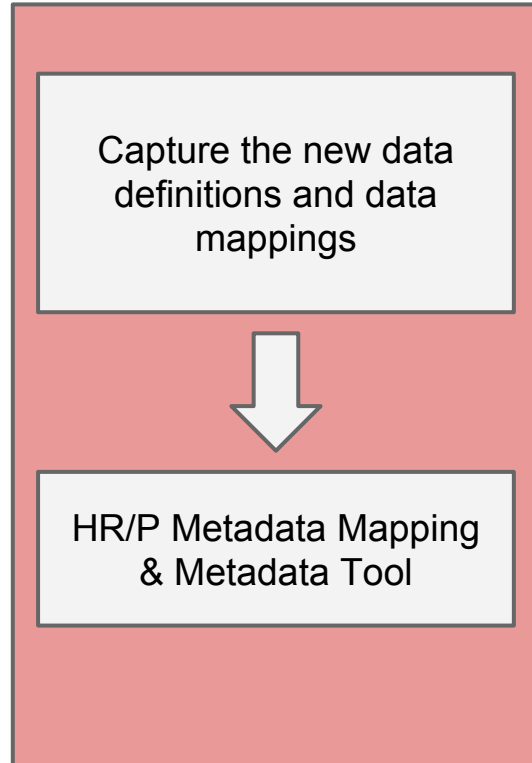
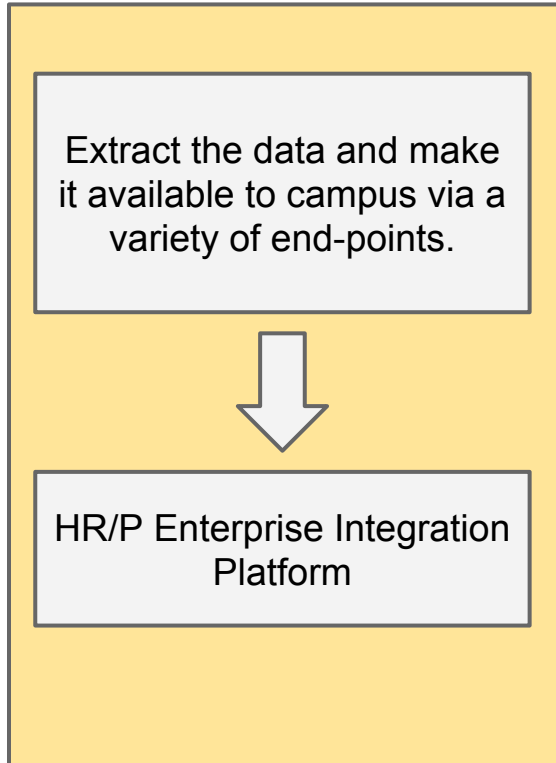
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We need to remap the security and access controls and rights to the new data model

The diagram consists of a large purple rectangular background. Inside this background, there are two white rectangular boxes with black borders. The top box contains the text 'We need to remap the security and access controls and rights to the new data model'. A large white arrow with a black outline points downwards from the bottom center of the top box to the top center of the bottom box. The bottom box contains the text 'HR/P Security Model Abstraction'.

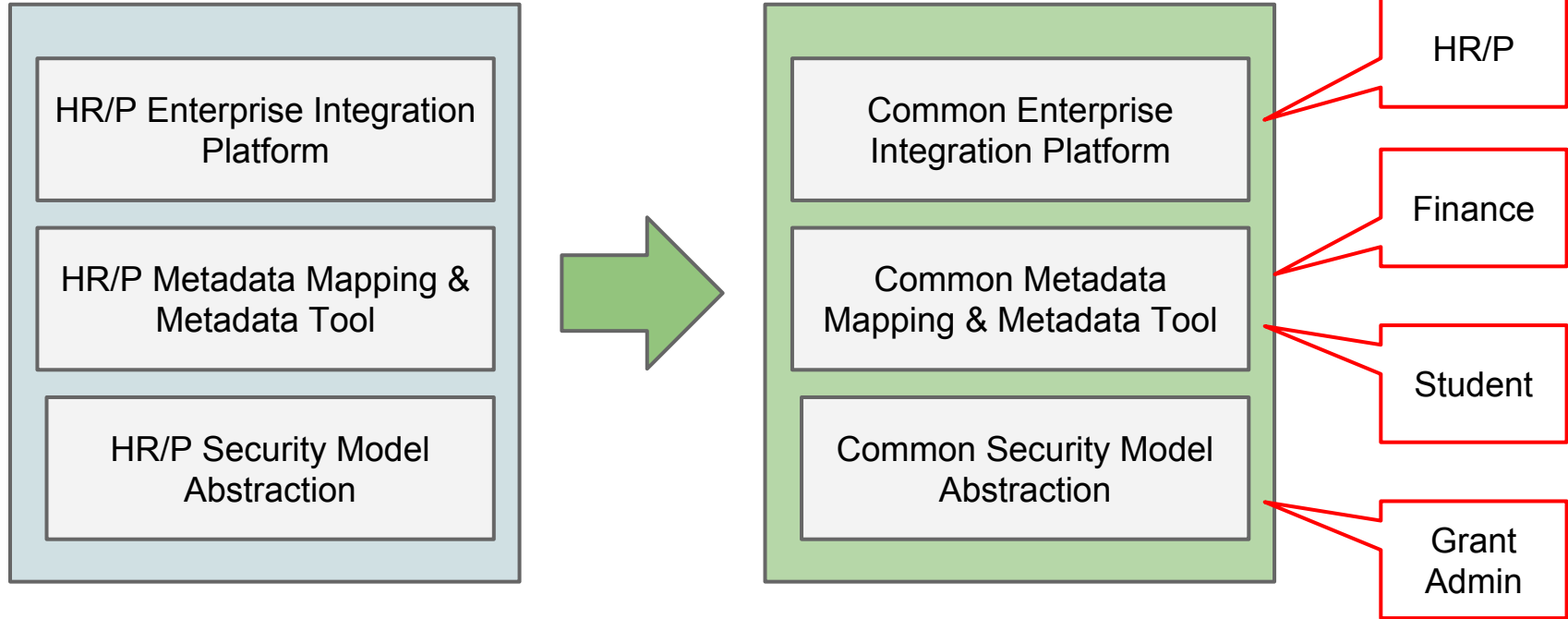
HR/P Security Model Abstraction

# Tactical/Project Engagements



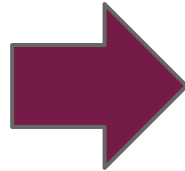
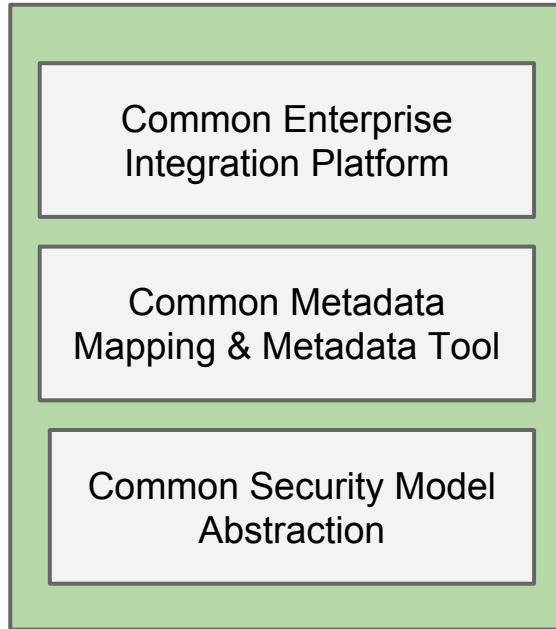
# Tactical/Project Engagements

# Strategic Roadmap Development



# Strategic Roadmap Development

# Strategic Goals



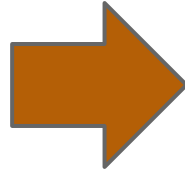
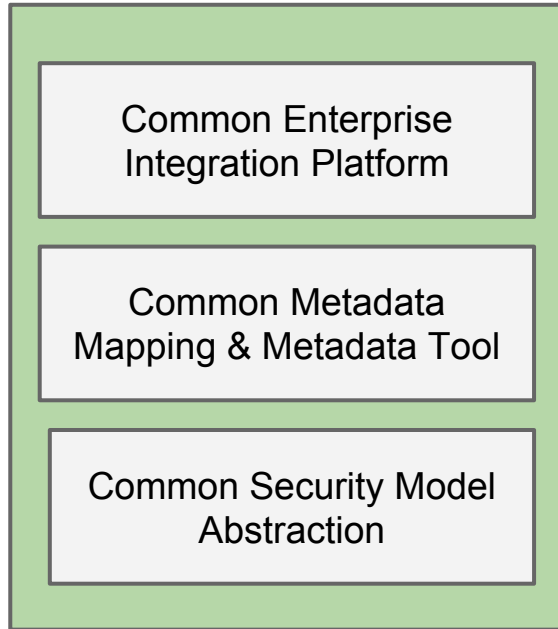
**Data-Driven Decision Making**

**IT-Rationalization**

**Common / Shared Services**

**Well Architected Core  
Infrastructure**

# Strategic Roadmap Development



# Desired Future State

We will:

- Use a common Enterprise Integration Platform for core enterprise data / systems.
- Use a common Metadata Tool and Mapping Process for the core enterprise data.
- Drive towards a common Security Model and Abstraction Layer

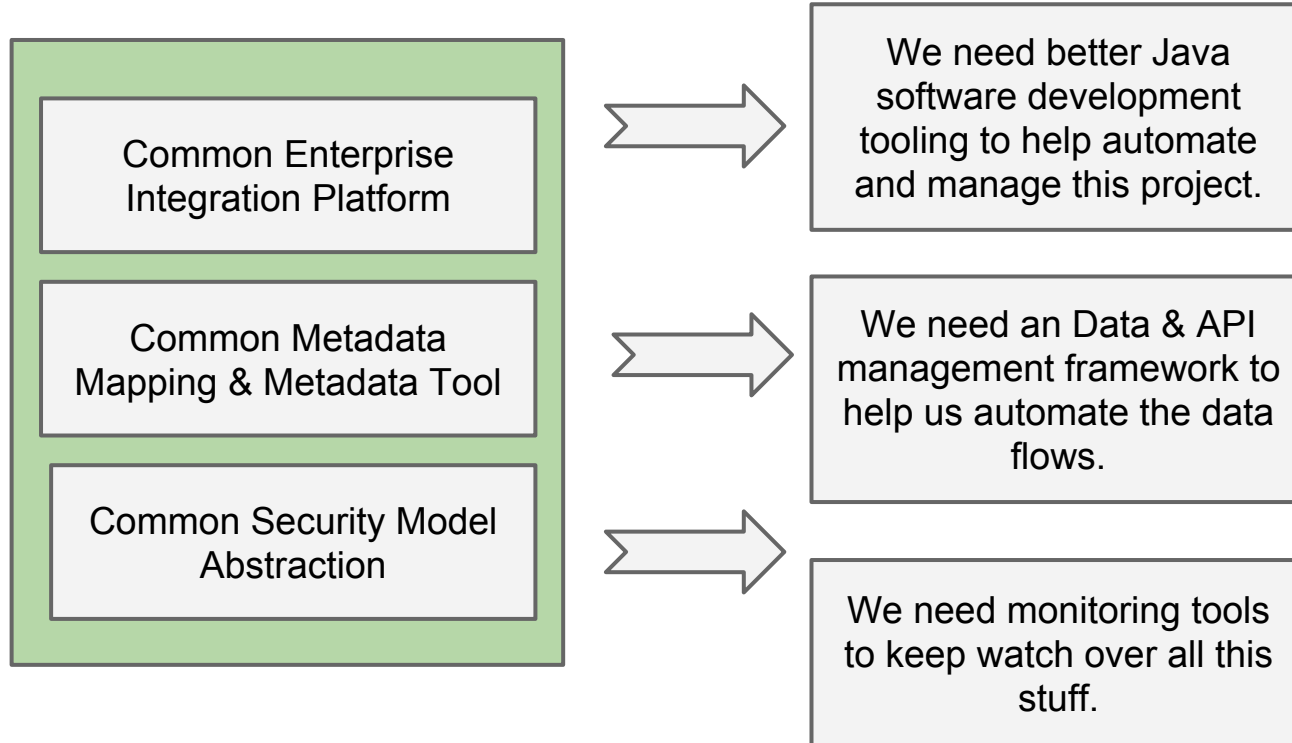
# Tactical/Project Engagements:

- Often morph into multiple larger Strategic efforts
- Are leveraged to advance the strategies
- Help set the desired Future State mileposts

# Tactical/Project Engagements:

- They can also drive maturity in related areas

# Tactical/Project Engagements:



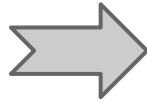


## Tactical/Project Engagements

We need better Java software development tooling to help automate and manage this project.

We need an Data & API management framework to help us automate the data flows.

We need monitoring tools to keep watch over all this stuff.



## Strategic Roadmap Development

Standardized Java Software Development Lifecycle Management Tools (SDLC Tools)

Standardized Code / Container Management Tools

API and Integration Toolkit

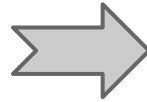
Common Monitoring Service

## Tactical/Project Engagements

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## Strategic Roadmap Development

Standardized Java SDLC Tools

Standardized Code / Container Management Tools

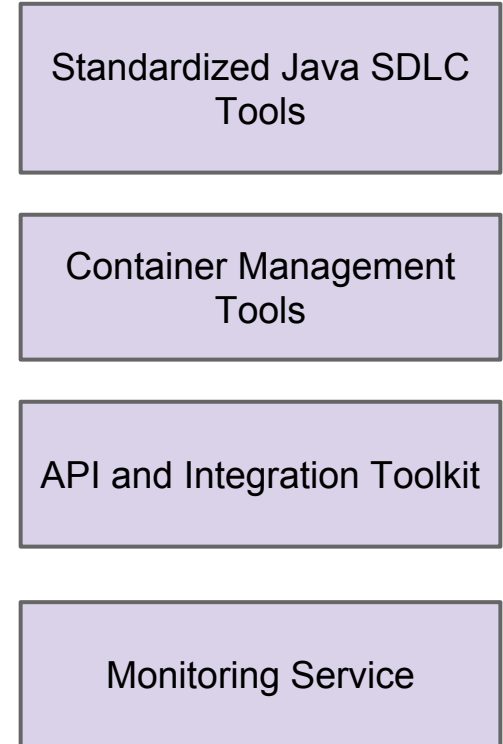
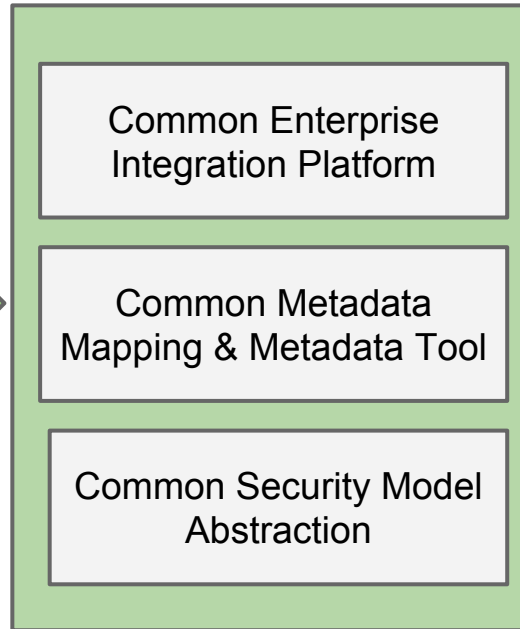
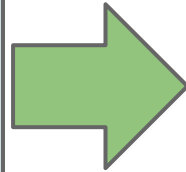
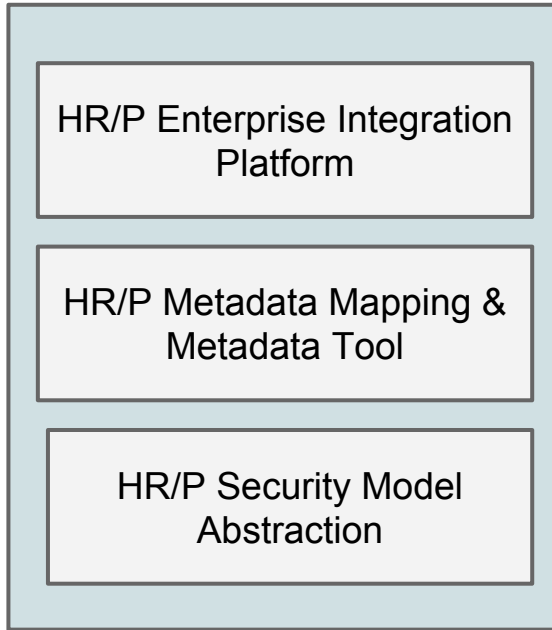
API and Integration Toolkit

Common Monitoring Service

These bring  
velocity, agility  
and rigor to  
UW-IT

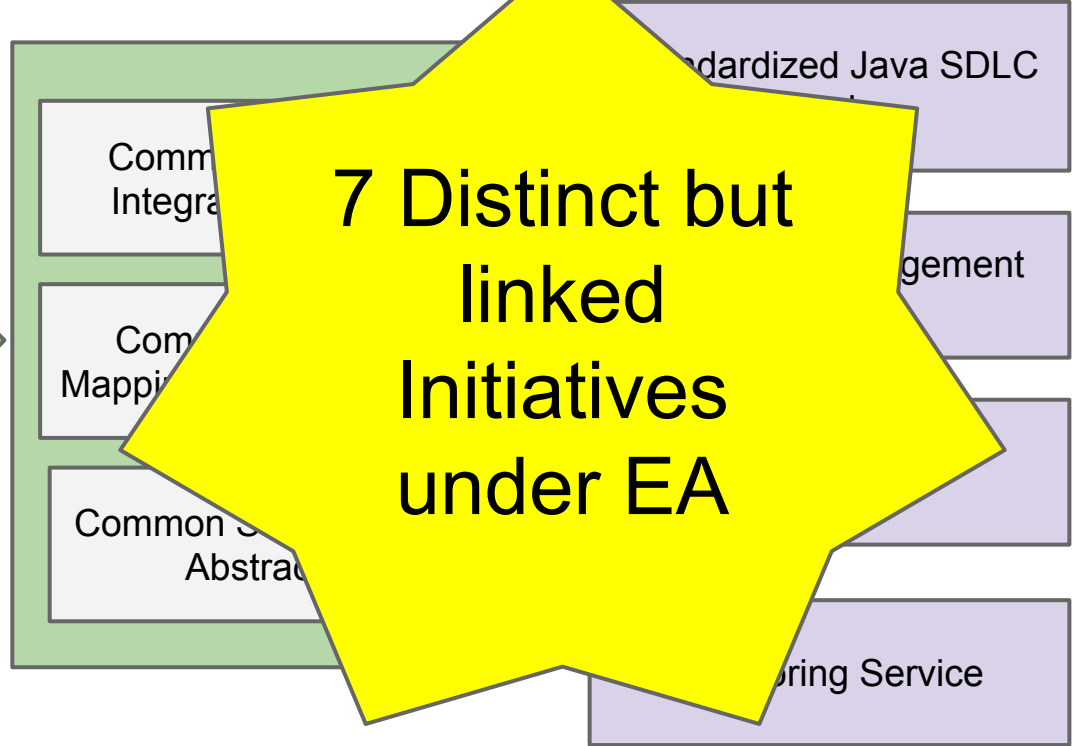
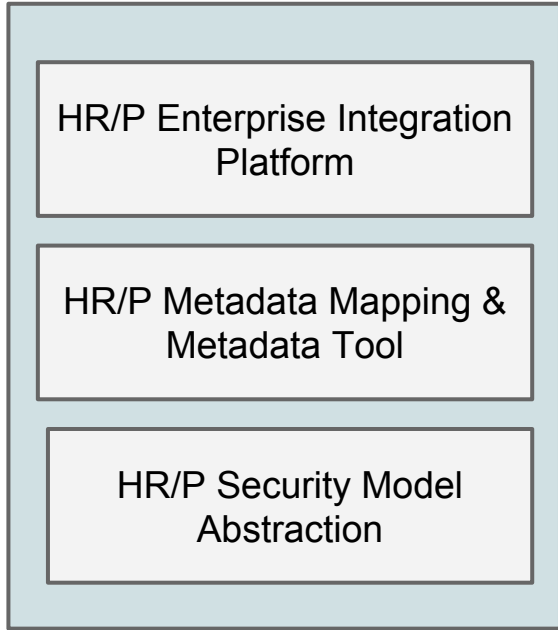
# Tactical/Project Engagements

# Strategic Roadmap Development



# Tactical/Project Engagements

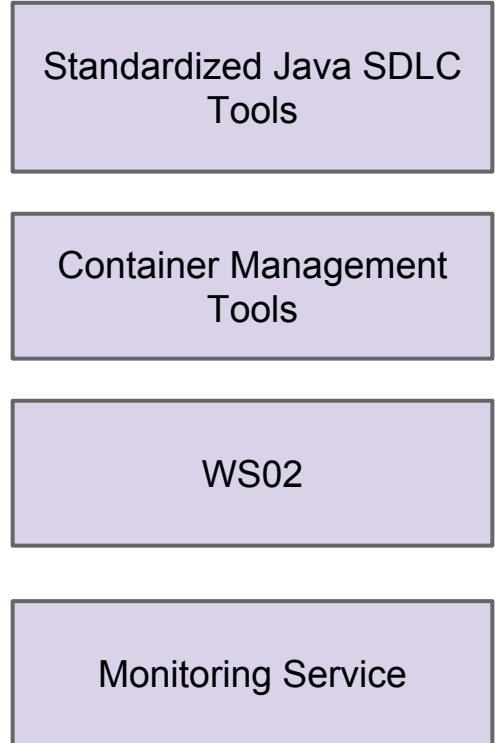
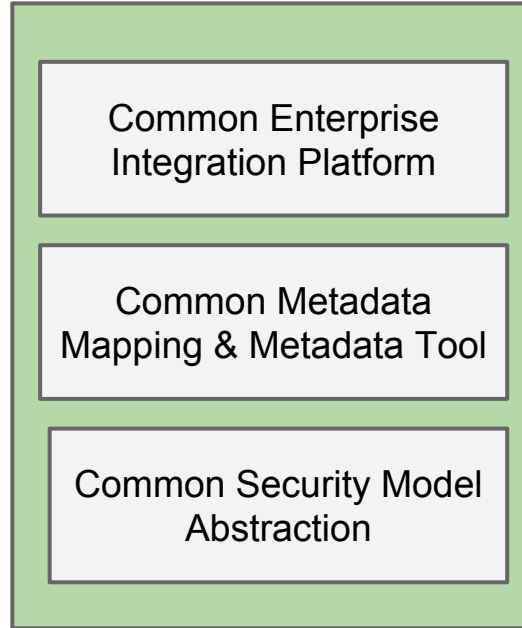
# Strategic Roadmap Development



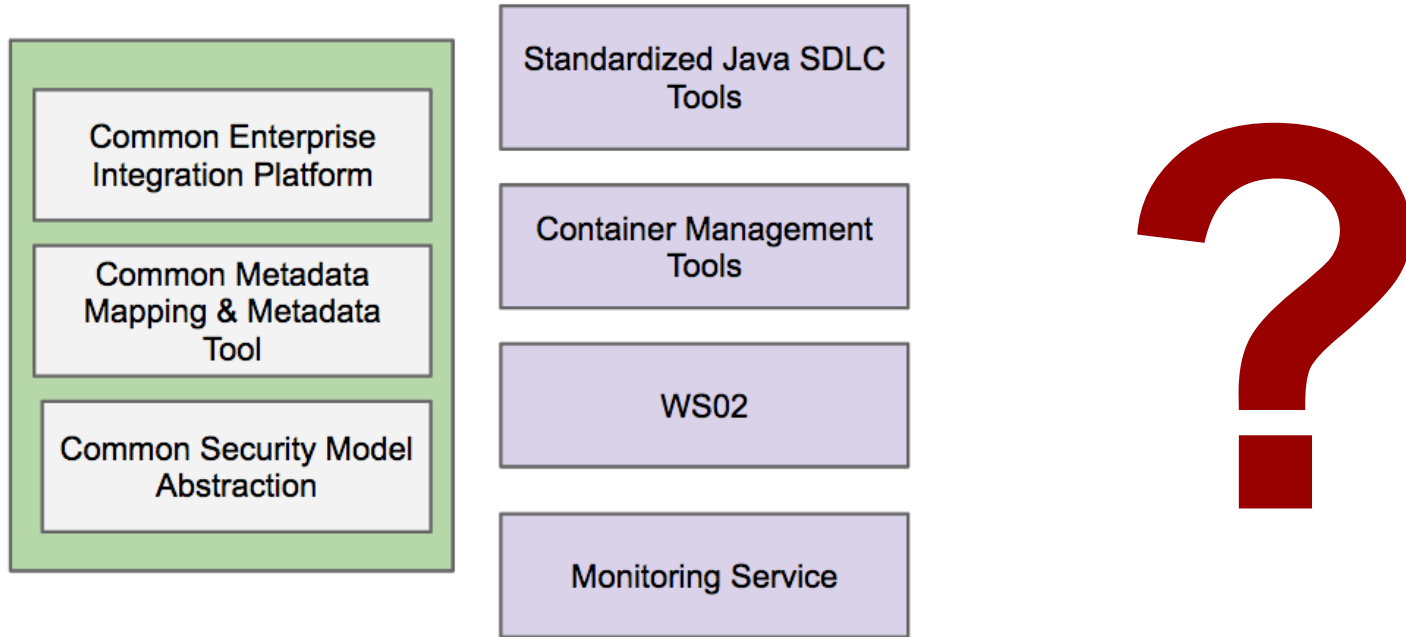
**7 Distinct but  
linked  
Initiatives  
under EA**

## The goals of EA are:

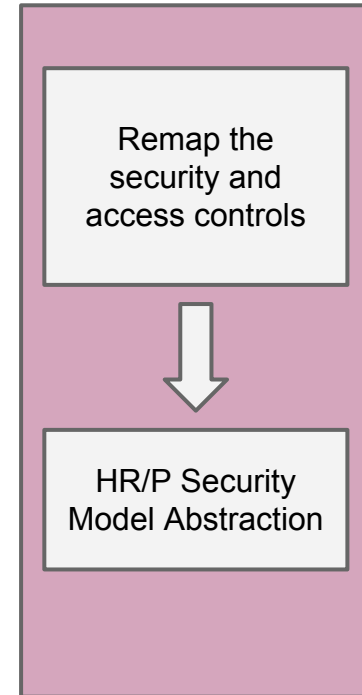
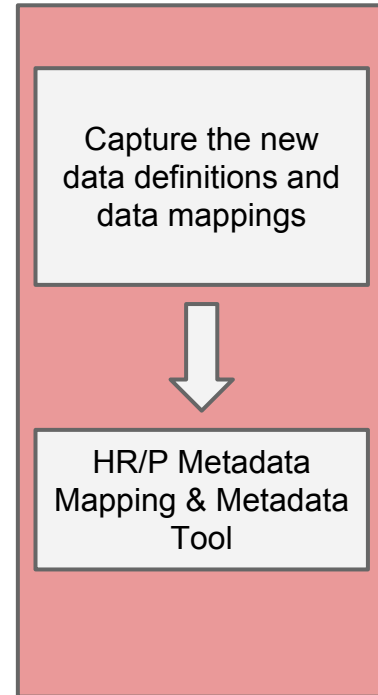
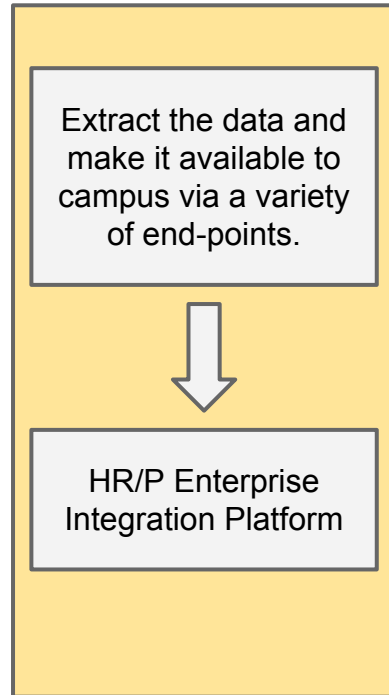
- to drive these seven strategic initiatives,
- link them to the business strategy, and
- define the impacts of making tradeoffs in any one of them.



# The Horizontal Nature of EA



While keeping the original tactical / project goals in sight.

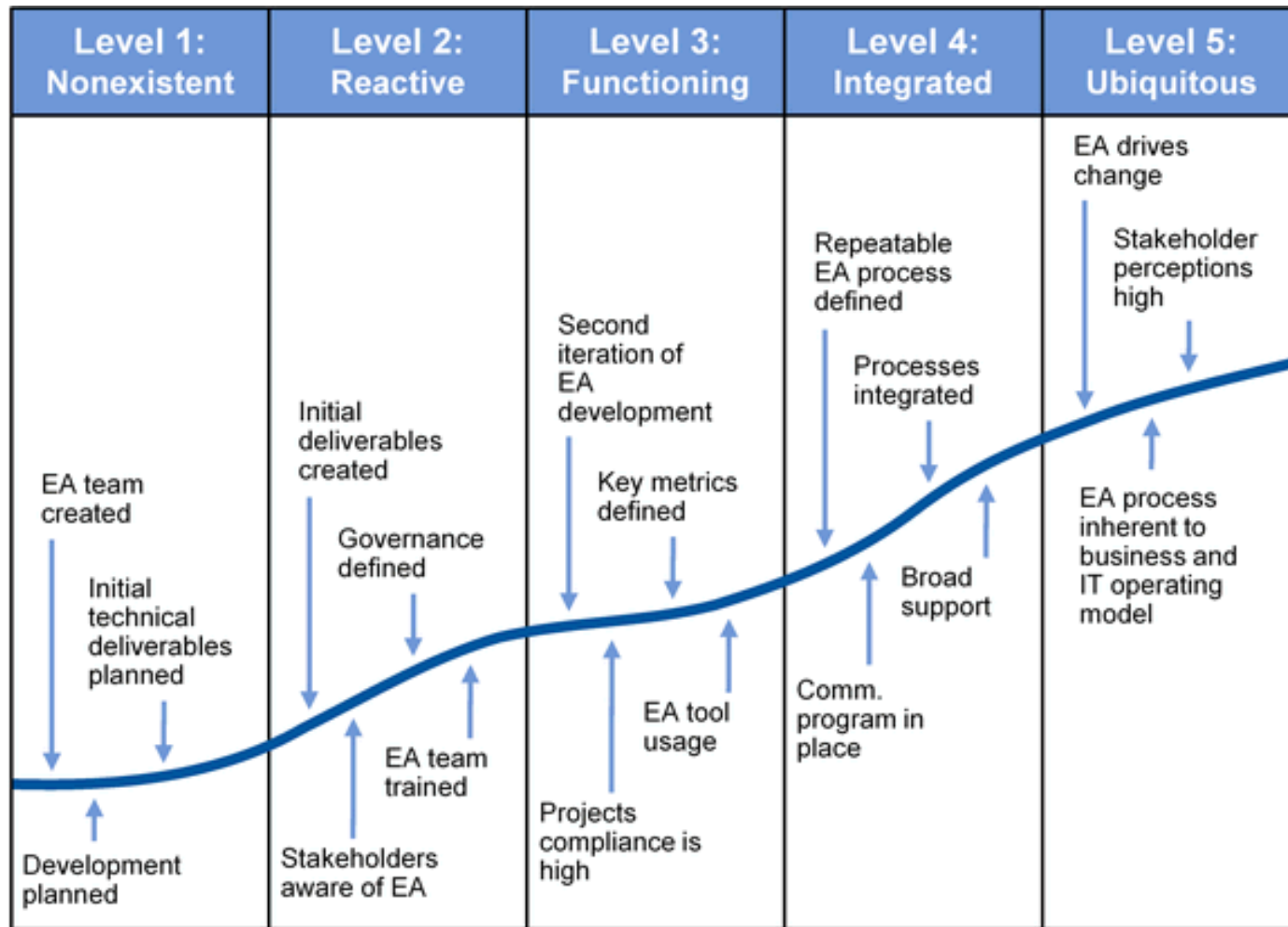


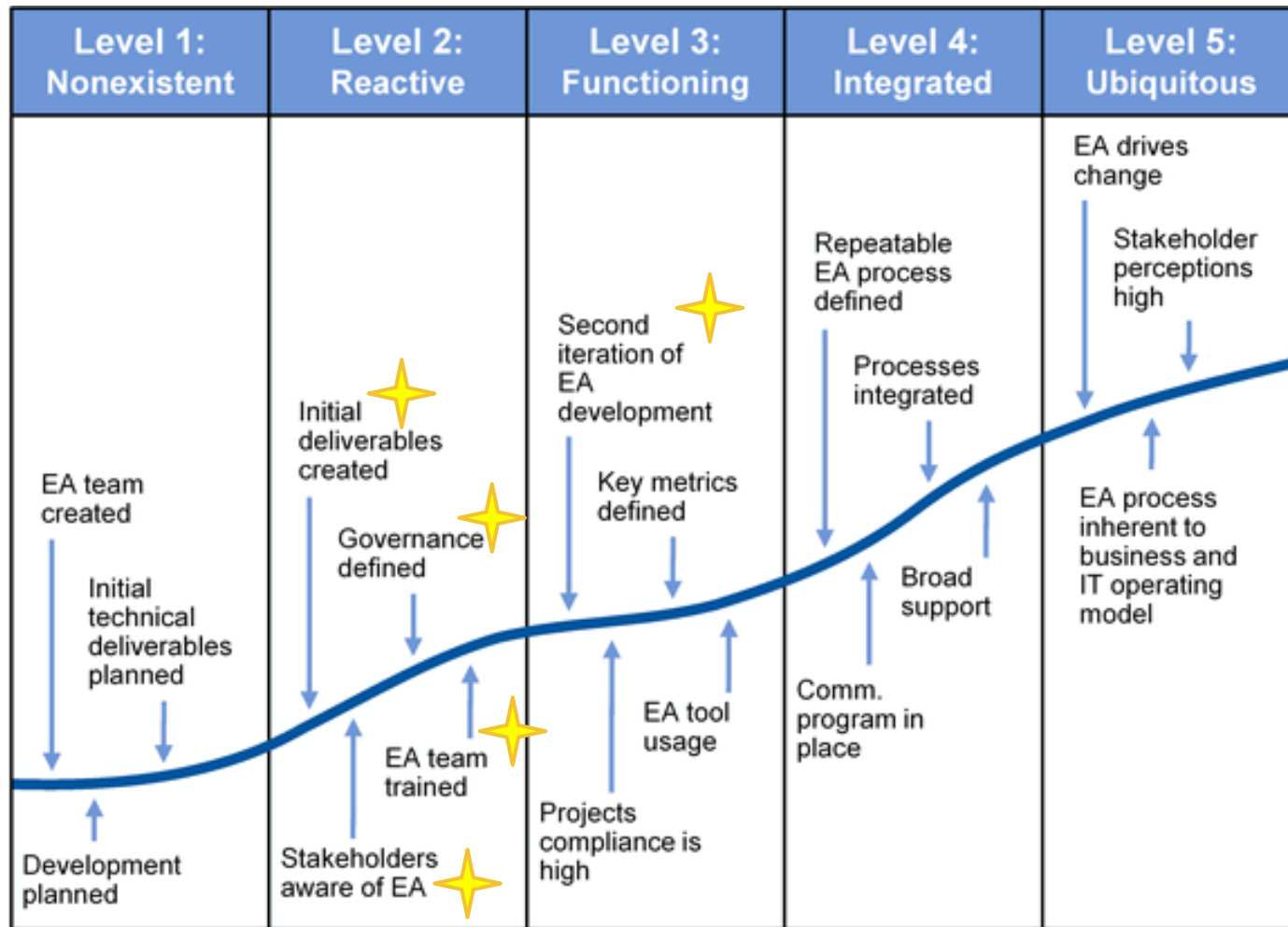
# EA Activities and Alignment

<http://wiki.cac.washington.edu/display/EA/EA+Activities+and+Alignment>



# EA Practice Maturation

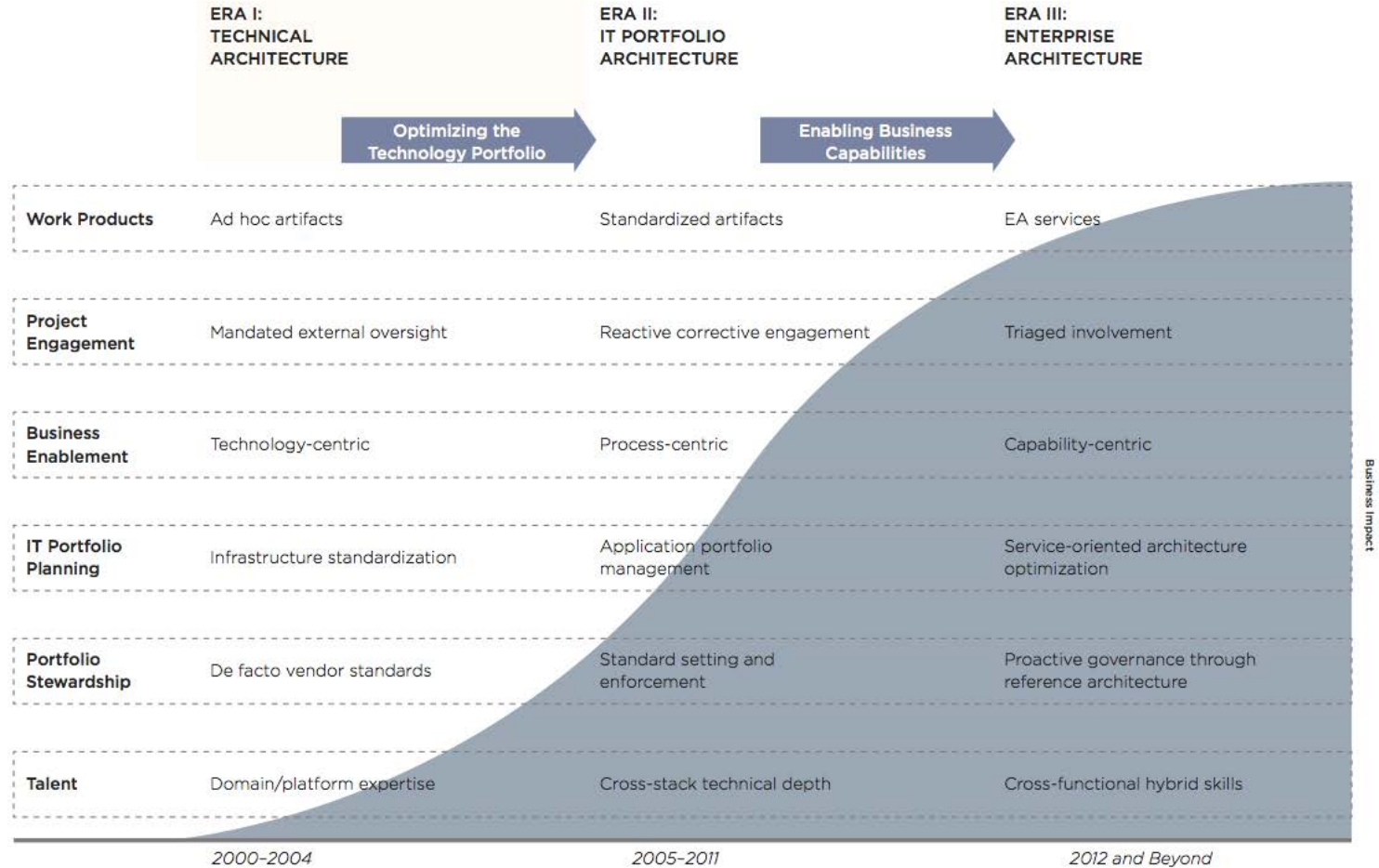




## TRUE ENTERPRISE ARCHITECTURE EXTENDS BEYOND IT

To rise to the challenge of enterprise architecture's mission amid fundamental corporate IT shifts, EA groups must address six functional priorities.

- Era I-Era II: Enterprise architecture evolved from an infrastructure focus to a full-stack purview.
- Era II-Era III: EA continues to evolve, not only to optimize the technology portfolio but to drive business capability enablement.
- Practices listed in each era would be considered "mature" in their time.



3 - 5 End-To-End EA Services

EA services

Triage EA Involvement

Triaged involvement

Capability-centric Focus

Capability-centric

Service-oriented Architecture Optimization

Service-oriented architecture optimization

Proactive Gov. through Ref. Architecture

Proactive governance through reference architecture

Cross-functional hybrid skills

Cross-functional hybrid skills

3 - 5 End-To-End EA Services

Triage EA Involvement

Proactive Gov. through Ref. Architecture

# EA Service Team

- EA Services: 3 to 5 End-to-End Services
- Self Assessment Tools
- Reference Architecture Program

# Three Broad Foci of EA

Tactical/Project Engagements

Strategic Roadmap Development

EA Practice Maturation



# EA Interest Group Email

<https://mailman1.u.washington.edu/mailman/listinfo/ea-interest>

# Jim Phelps

Director of Enterprise  
Architecture and Strategy

phelps@uw.edu

