



Connecting the world of software delivery



Introducing the ALM Model working group

Agenda

- > Background and context - Dave
- > The infrastructure to support it - Sean
- > Overview of the proposal – Dave
- > Discussions - All

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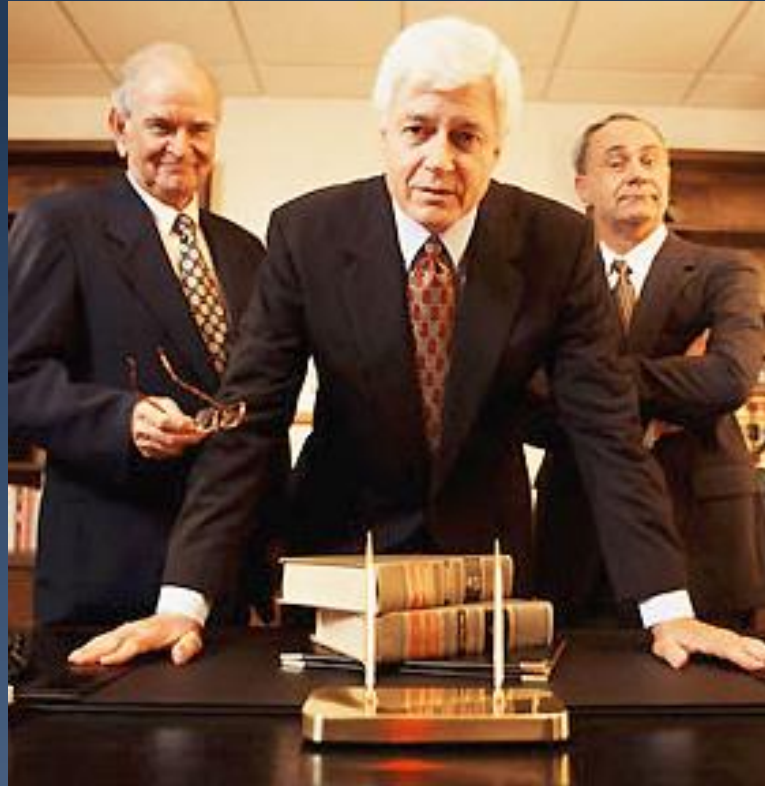
A bit of history

- Since we started doing integration customers have asked about a data model
- ALM data-warehouse makes the problem even more acute
- Customers are building there own models



- Run a series of ALM data model working group meetings
- Customers shared model ideas, why they were doing it and how their tools would fit into
- Discussions ranged from defects to requirements, to how open source analysis and security fitted in.

But then we hit a wall...



Customer driven...

I want to put in place better cost controls and reporting for my projects and applications

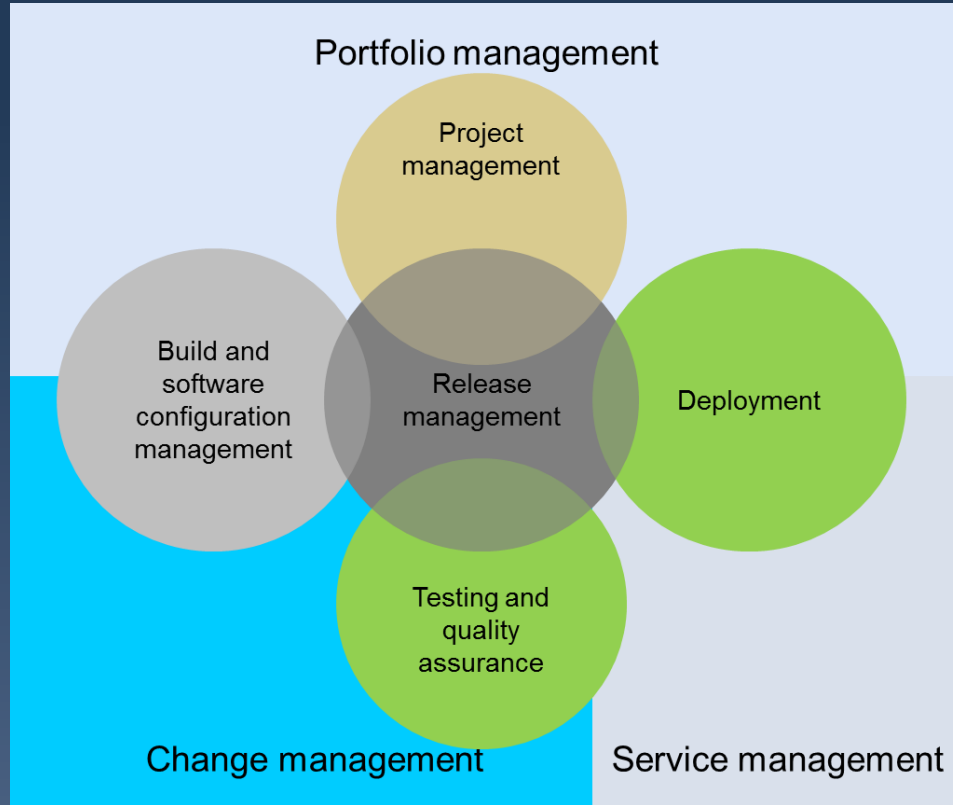
I need to improve my analytics and reporting (read data warehouse) for my software projects

I need my tools to flow better because of a Agile / Lean / SDLC / enterprise transformation initiative

I need to do something with my tools and I have no way of deciding what tool does what...

Both integration and reporting / analytics driven...

IT centric scope



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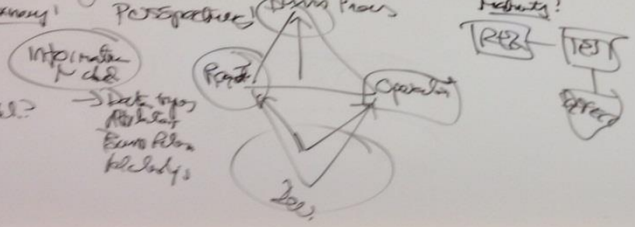
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BOF Session at ALM Summit

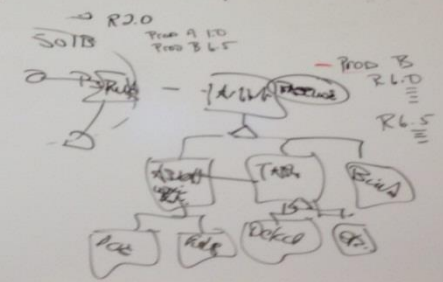
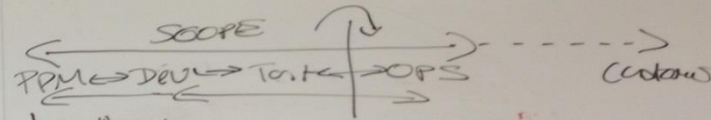
Who is it for?
 What is an ALM Data Model?
 What problems does it solve?
 And why do we need it?

How many data models? (Enterprise, project, tool)

Language! / Hierarchy!
 Change!
 Fragile!
 Process = tool?



Decision!



In case you can not read the board 😊

Focused on :-

- What is an ALM data model ?
- What is the scope
- What problems does it solve ?
- How many data models

Agreement was easy, everyone wanted one,
but self selecting group 😊

Answers

What is it ?

- Provides consistent description and view of all development things
- Supports PPM through to delivery
- Might one day include customers (hypothesis based development)
- Is both a dictionary of consistent terms and a database

Problems ?

- Accurate data
- Transparency
- Making decisions (reporting and status)
- Enabling flow – transformations and hand offs
- Removes conflict from teams – corporate citizen ship

And there should only be one 😊

Scope

Defining a **data model** that describe the key elements of the management of software delivery (ALM) and how those elements are connected. The working group will exchange **best practices** about both the structure of the data model, but also its use in reporting, analytics and integration. The scope of **software delivery** spans everything from customer need to solution and support and is inclusive of PPM, Agile development, SCM, development, testing, release management, operations and ITSM.

Deliverables

The ultimate is a data model, but to drive its development the working group will describe a series of usage scenarios for both reporting and execution of the entities. These scenarios will drive the creation of a data model and supporting commentary. In addition materials will be created that will help people adopt the model. It is likely it is impossible to define and agree on every element involved in software delivery thus the model will include alternatives.

Relationship with other groups

The ALM Data Model WG will take into account the scenarios and resources defined by other OSLC WGs, but also those from other industry efforts and best practices. New scenarios will likely be created too. The scenarios and Data Model generated by this group can be taken as input to other OSLC WGs building specifications. As much as possible, alignment between the ALM Data Model and existing OSLC concepts/data model will be sought.

What we expect from members

By agreeing to become a member of this Workgroup, this implies some amount of time and contribution to assist in the development and promotion of the specification. There is no minimal amount of time or level of participation.

It is recommended that each member should expect to:

- Attend the teleconferences.
- Participate in off-line mailing list discussions.
- Contribute and review model and scenarios.
- Participate in prioritization activities
- Potentially lead the Workgroup and/or meetings.
- Contribute specification content in the form of proposals and actual model text.
- Edit and organize the model.
- Address model issues
- produce examples of ALM model usage (this can be edited to avoid any confidentially issues)