Gravity

> A New Look on Connected Development

TD/OMS - Connected Development
Software Change Management
Powered by Remain
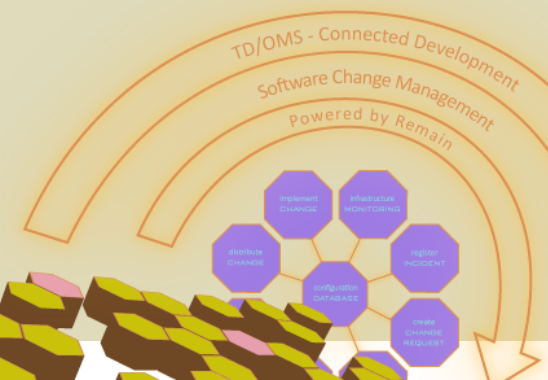
Introduction

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> Connected Development

Important Things

> Why Gravity

> Multi-Platform what does that mean

> Gravity Architecture

> Sneak Preview

> Connected Development

Why Gravity

TD/OMS - Connected Development
Software Change Management
Powered by Remain

Why Gravity

Why Gravity

Why Gravity

Why Gravity

Why Gravity
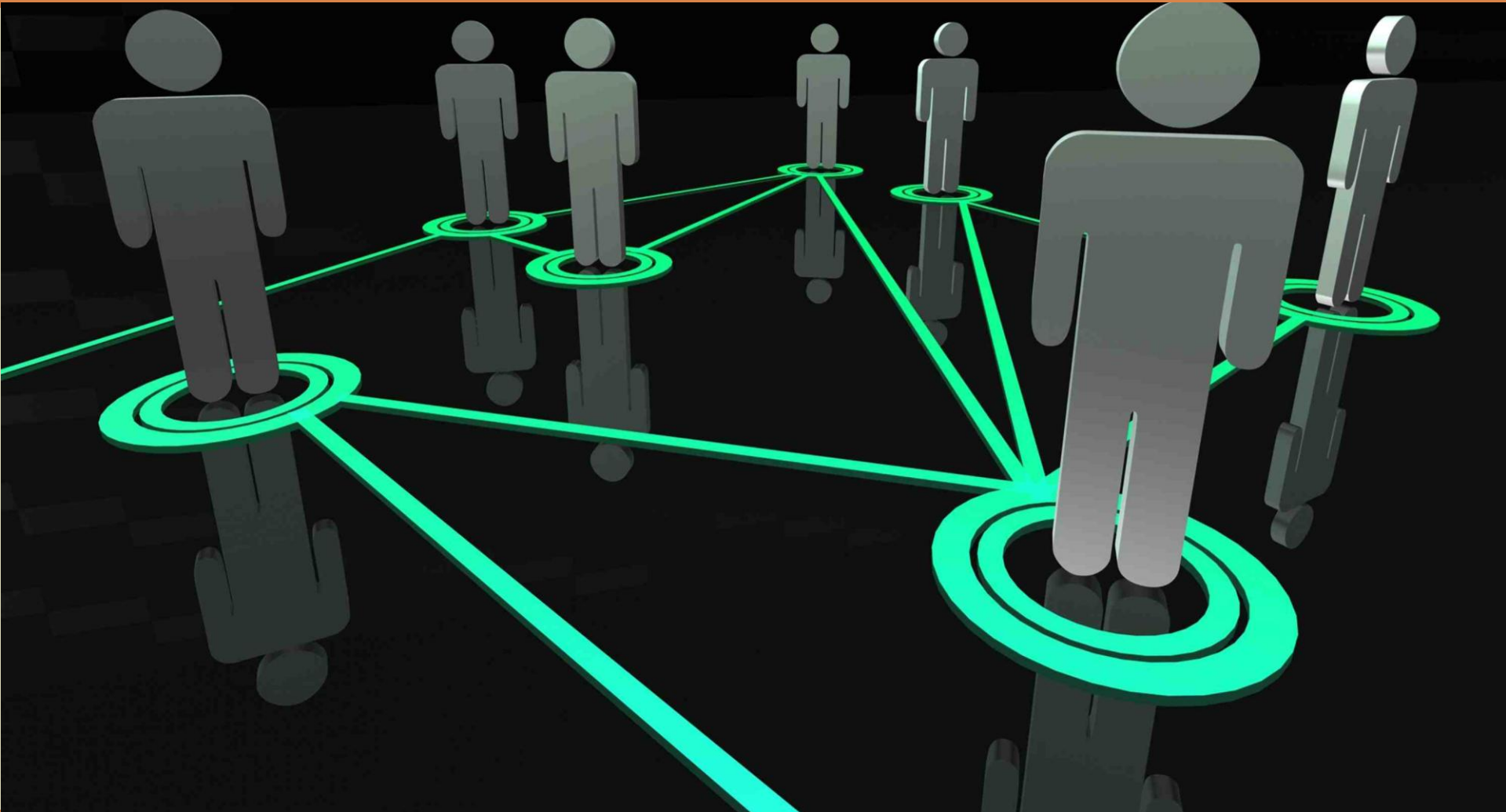
Why Gravity

Why Gravity
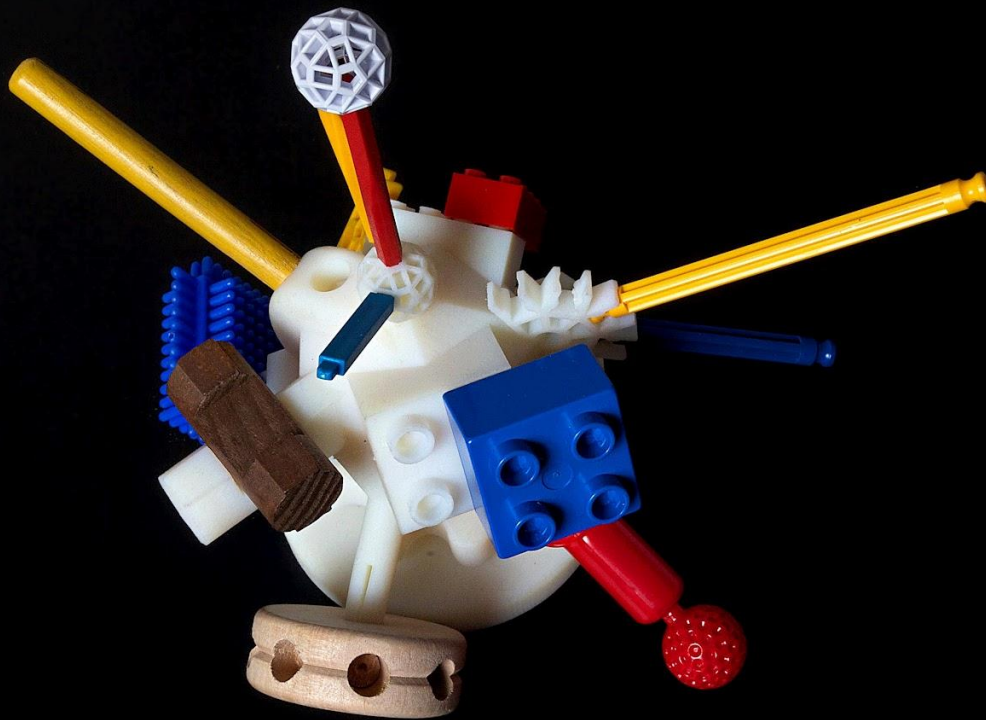
Why Gravity

Why Gravity

"Gravity"?

Why Gravity

Why Gravity

Why Gravity

Why Gravity

Why Gravity

Why Gravity

Why Gravity

Why Gravity

Multiplatform

> What does that mean

TD/OMS - Connected Development
Software Change Management
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Multiplatform

> What does that mean
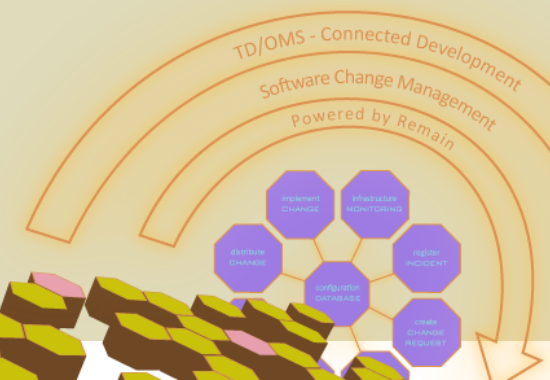
Multiplatform Philosophy

> Clients

> Servers

> Managed Machines

> Connected Development

Multiplatform

- > Clients
  - > Eclipse Java Technology
  - > Rich Clients
    - Windows, Linux, Mac OSX
  - > Embedded
    - Eclipse, Rational, …

> Connected Development

Multiplatform

- **⟩** Clients
  - **⟩** Web

Multiplatform

> **Server**
>> **Gravity Main Server**
>>> • WAR (application server)
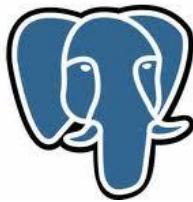>> **Gravity Discovery Server**
>>> • WAR
>>> • Stand Alone

Multiplatform

> Gravity Database
>> Free (semi)

> Connected Development

Multiplatform

> ## Managed Machines

> ### Platform Manager

- Hardware
  - IBM i, Windows, Mac, Unix, Linux
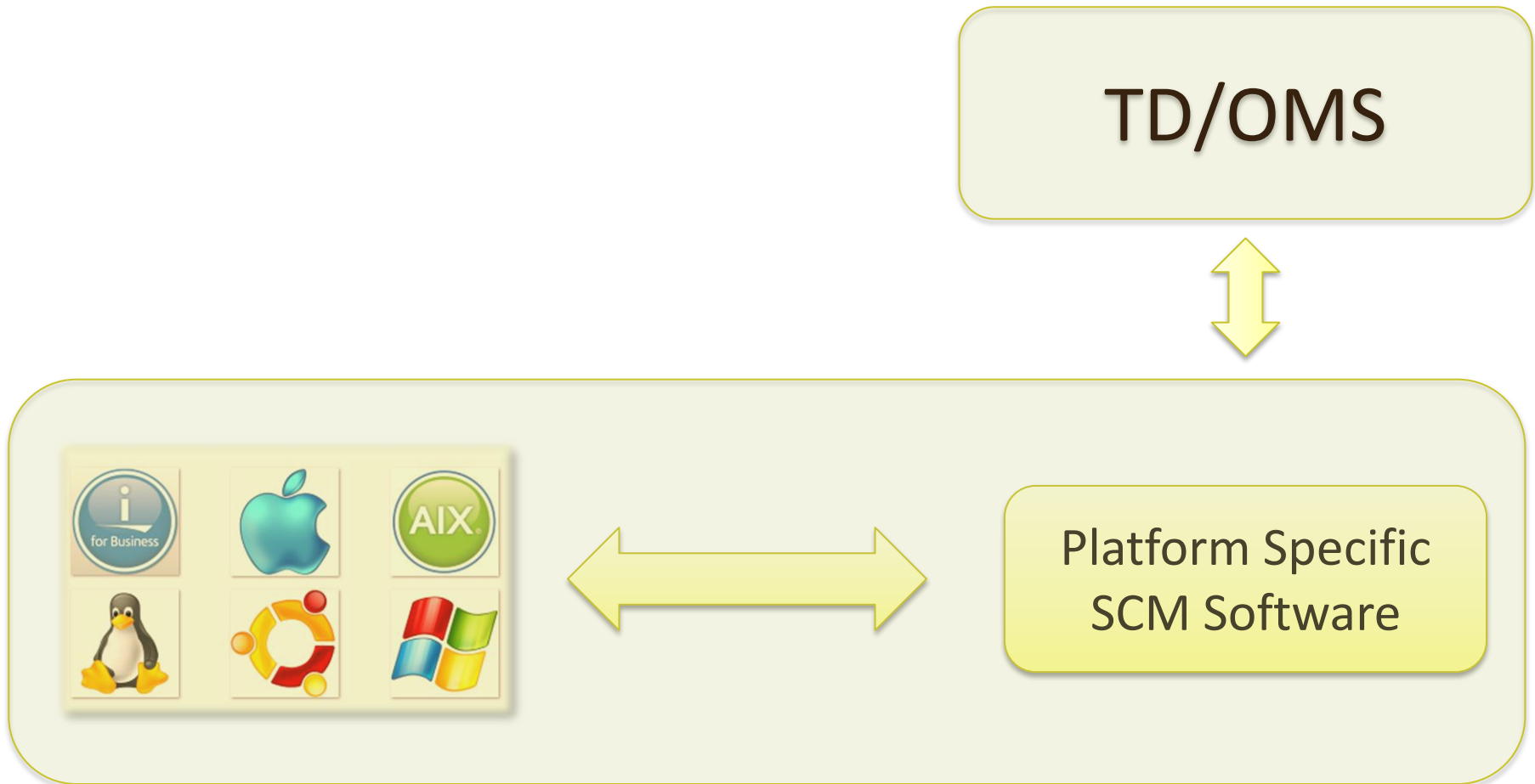

> Connected Development

Multiplatform

> **Managed Machines**
> > **Platform Manager**
> > > • Hardware
> > > > – IBM i, Windows, Mac, Linux

> Connected Development

Multiplatform

> **Managed Products**
>> **Platform Manager**
>>> • Software
>>>> – Tomcat, WAS, Notes, DB2, ..

> Connected Development

Multiplatform

TD/OMS

Platform Specific
SCM Software

> Connected Development

Multiplatform

Gravity Interface

Platform Specific

Gravity Architecture

TD/OMS - Connected Development
Software Change Management
Powered by Remain

Gravity Architecture

UI
- Eclipse
- Vaadin

Discovery

Core Services
- Definitions
- Documents
- UserAdmin
- Event

Platform
- Platfrm Mgr
- Platform

Store Service

Job

DB

Connected Development

Gravity Architecture

DB

Definitions

Components

Work Management

Gravity Architecture

DB

Definitions

Components

Work Management

Gravity Interface

Platform Specific
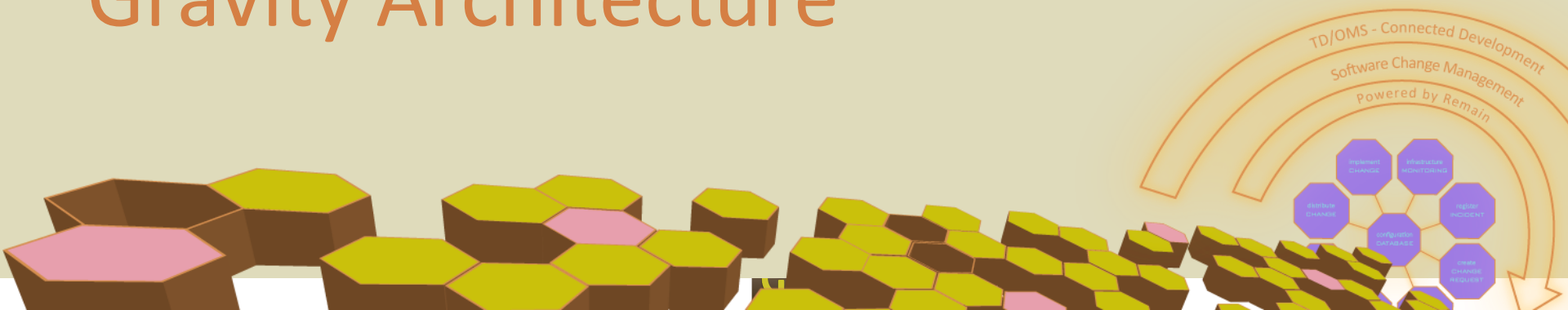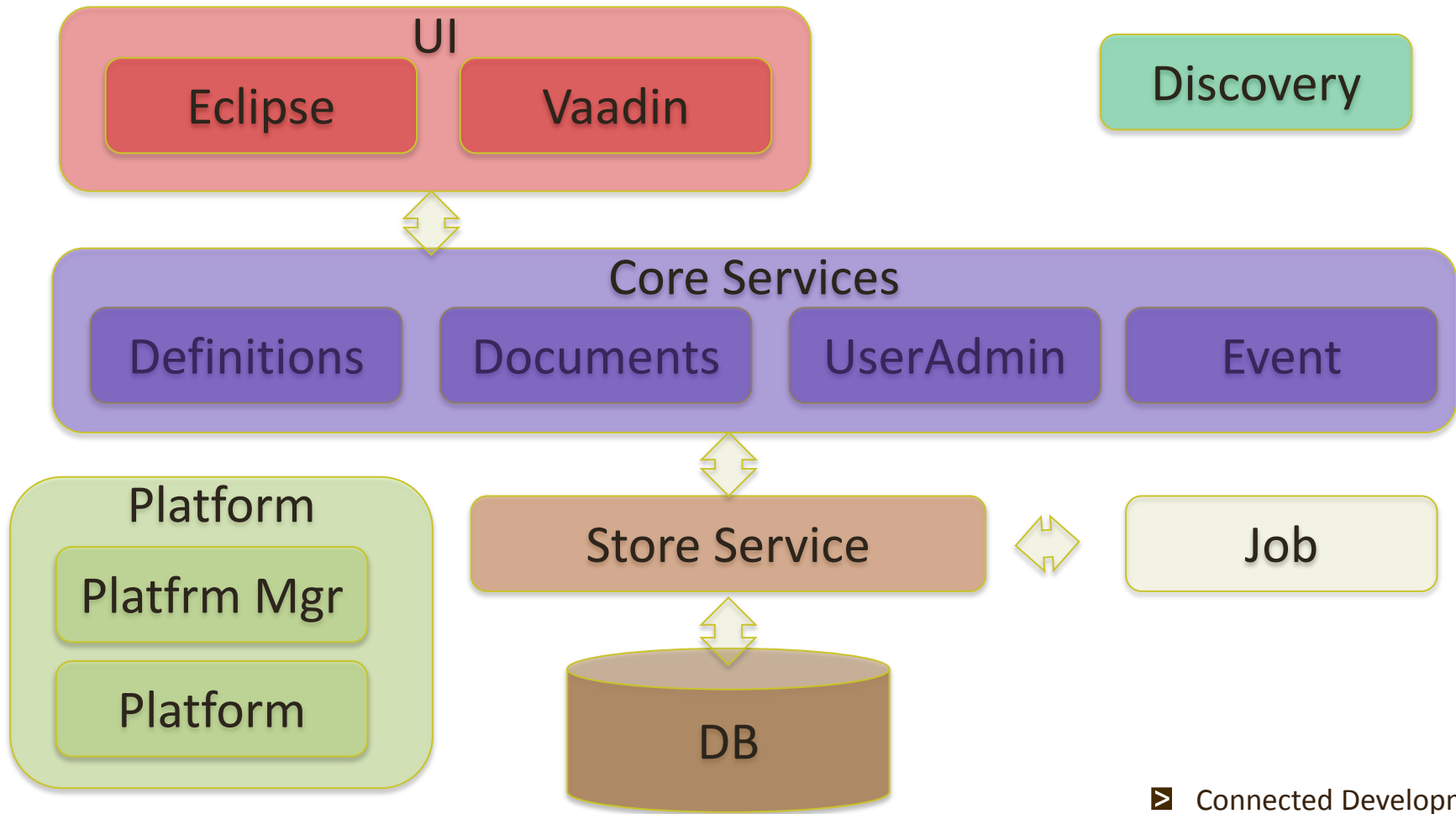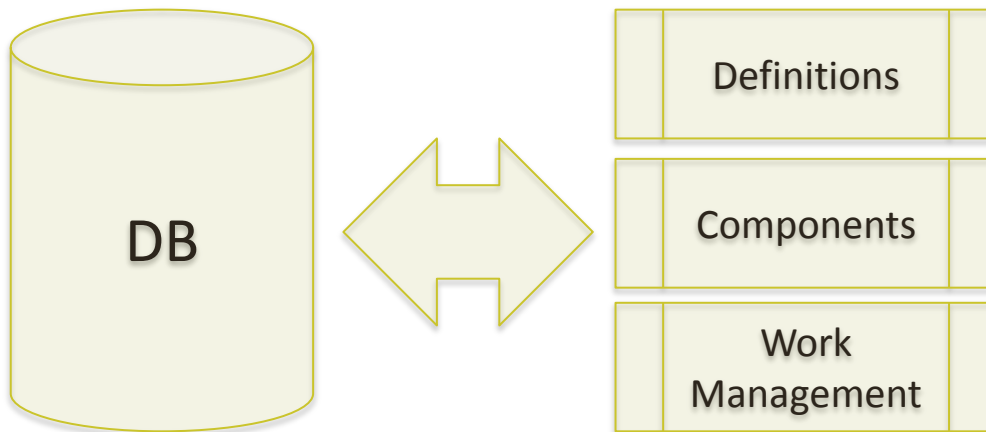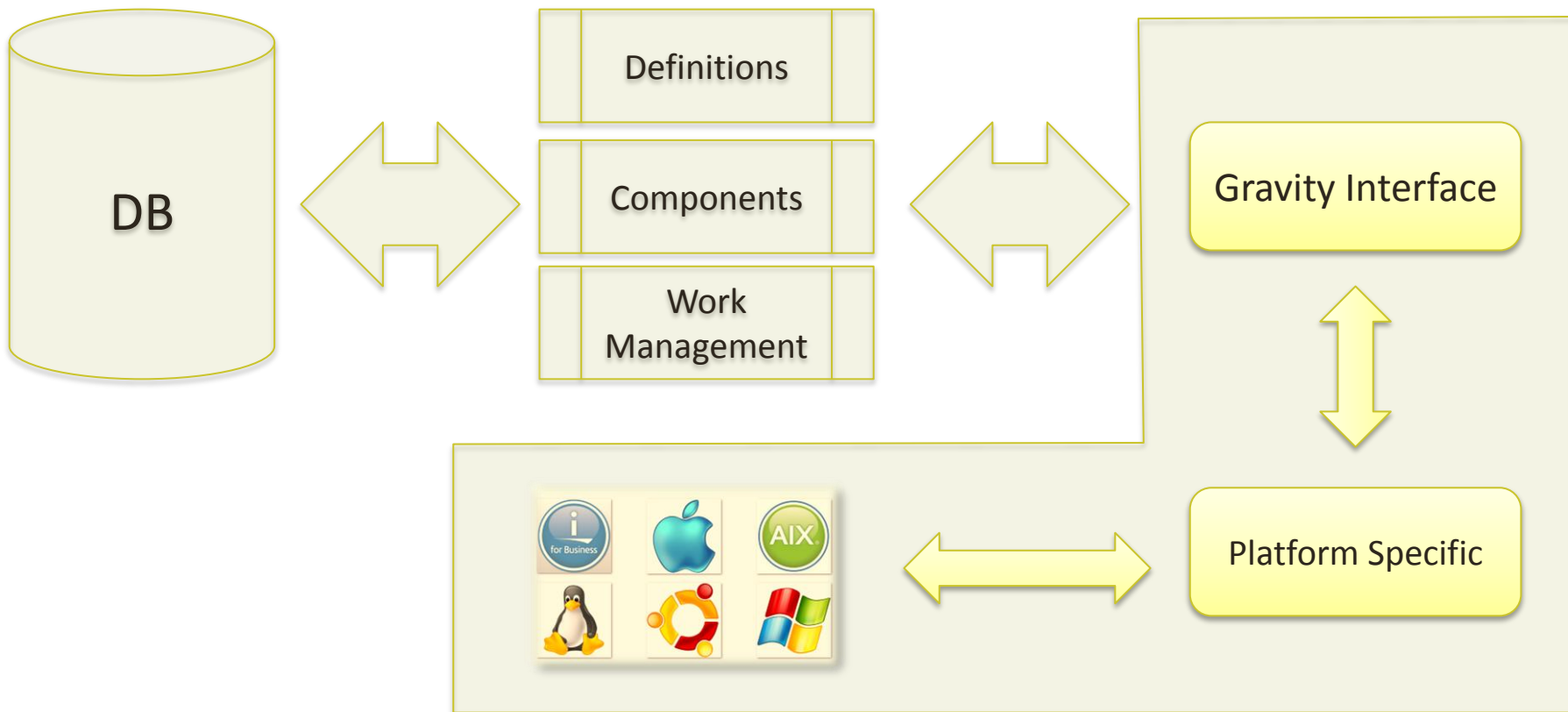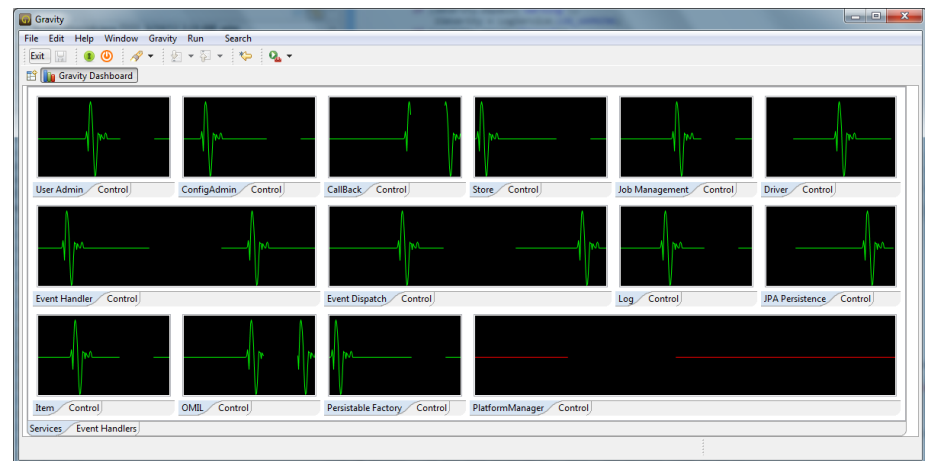
Gravity Preview

Gravity Preview

> Dashboard

> Roles

> Definitions

> Events

> Work Management

> Jobs

> Platform

Gravity Preview - Dashboard

> Now: Internal Gravity State

> Later: Personalised Dashboard

>> Release State

>> Open Issues

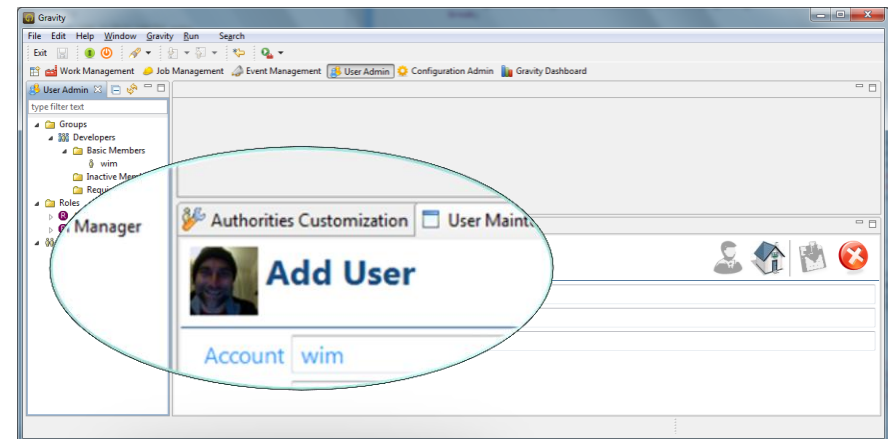>> Backlog

>> ...

> Connected Development

Gravity Preview - Roles

> Connected Development

Gravity Preview - Roles

> **Gravity Authorisation and Authentication**

>> Users

>> Groups (internal/external)

>> Roles

> Connected Development

Gravity Preview

> Create a User

> Extendable: Create Additional Fields

> > Department, Manager

> Put the user in a group

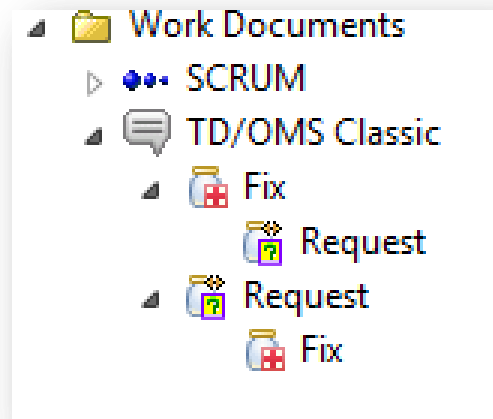> Show Role (Application Manager)

Gravity Preview - Definitions

> User Defined Document Structure

>> Examples:

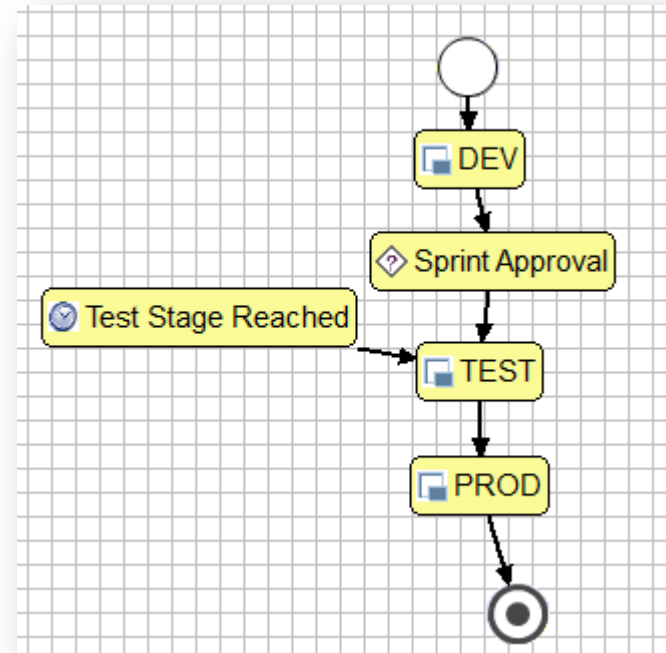- Classic TD/OMS, Scrum, PRINCE, user defined

Gravity Preview - Definitions

> **Life Cycle**
>> The defined workflow on a high level

> **Application**
>> The Classic OMS Application
>> Can use multiple Life Cycles

Gravity Preview

- Create a Work Document Structure
  - "Scrum"
- Create a Life Cycle
  - A "Scrum" Life Cycle
- Create an Application
  - "Order Processing"
  - Use the "Scrum" Life Cycle

Connected Development

Gravity Preview

Scrum is an agile software development framework that features development in short cycles called ***sprints***. A ***sprint*** is typically 2-4 weeks. During each ***sprint***, the developers work on a prioritized list of customer requirements called ***user stories***.
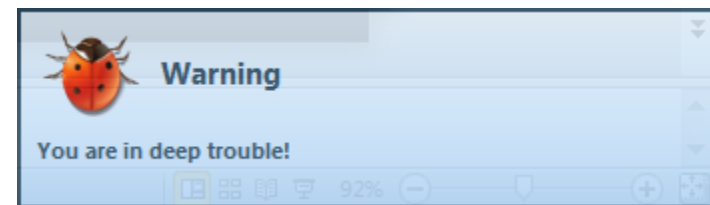
Gravity Preview- Work Management

> **Work Documents**
>> Attributes
>> Planning and Estimates
>> Descriptions
>> Collaborators
>> Attachments
>> Discussions

> Connected Development

Gravity Preview - Events

Warning

You are in deep trouble!

Gravity Preview - Events

- **Events**
  - Event Window vs. Guaruanteed Delivery
  - Topic
    - /gravity/item/item/add
    - /gravity/item/item/update
- **Event Providers**
- **Event Consumers**
  - Notification
  - E-Mail Delivery

Connected Development

Gravity Preview - Events

> We want to be notified if someone creates or updates a work document (item)

> Hook the correct topic to the handlers

- E-mail event handler
- Notification event handler

> Change an Item

Gravity Preview- Jobs

> Background jobs

> Use all computers in a grid

> Modeled after IBM-i

> Connected Development

Gravity Preview- Platform

> Discovery of Systems

> Automatic load into the database

> Use in Life Cycle Definition

> Not yet finished

Thank You.