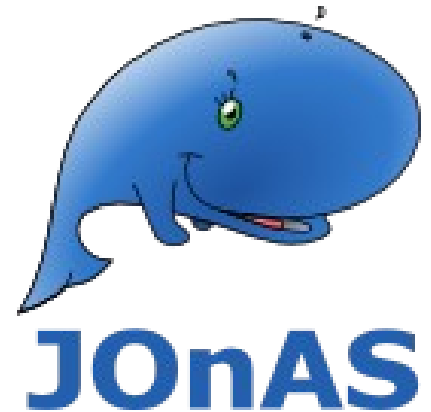




**OW2 JOnAS/OSGi**  
***Connectivity demonstrated***

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## ■ JOnAS 5 Overview

- Service Dynamism
- Connectivity

## ■ Demonstration

- What will be shown
- Layers
- Live ...

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# Overview [1/2]

- JOnAS 5 is a major refactoring of JOnAS
- Based on OSGi R4
- JOnAS services became OSGi services
- Introduced real service life cycle
- Modular and adaptable
- Use the OSGi component model *iPOJO*

## Extensions

## Add-ons



- Target :
  - Embedded,
  - multi-paradigm,
  - edge...
  - Self Mgt

Java EE

# Overview / Service Dynamism

- JOnAS services (ejb, mail, ...) == OSGi services
- Services life cycle is supported (start/stop)
- Dependencies injection

- Built on top of an OSGi gateway
- The JOnAS' underlying JVM accepts other bundles
  - Multi-application VM
  - External services can be deployed
- JOnAS offers OSGi resource injection
  - In EJB 3.0 components

```
@OSGiResource  
private BundleContext context;
```

## ■ JOnAS 5 Overview

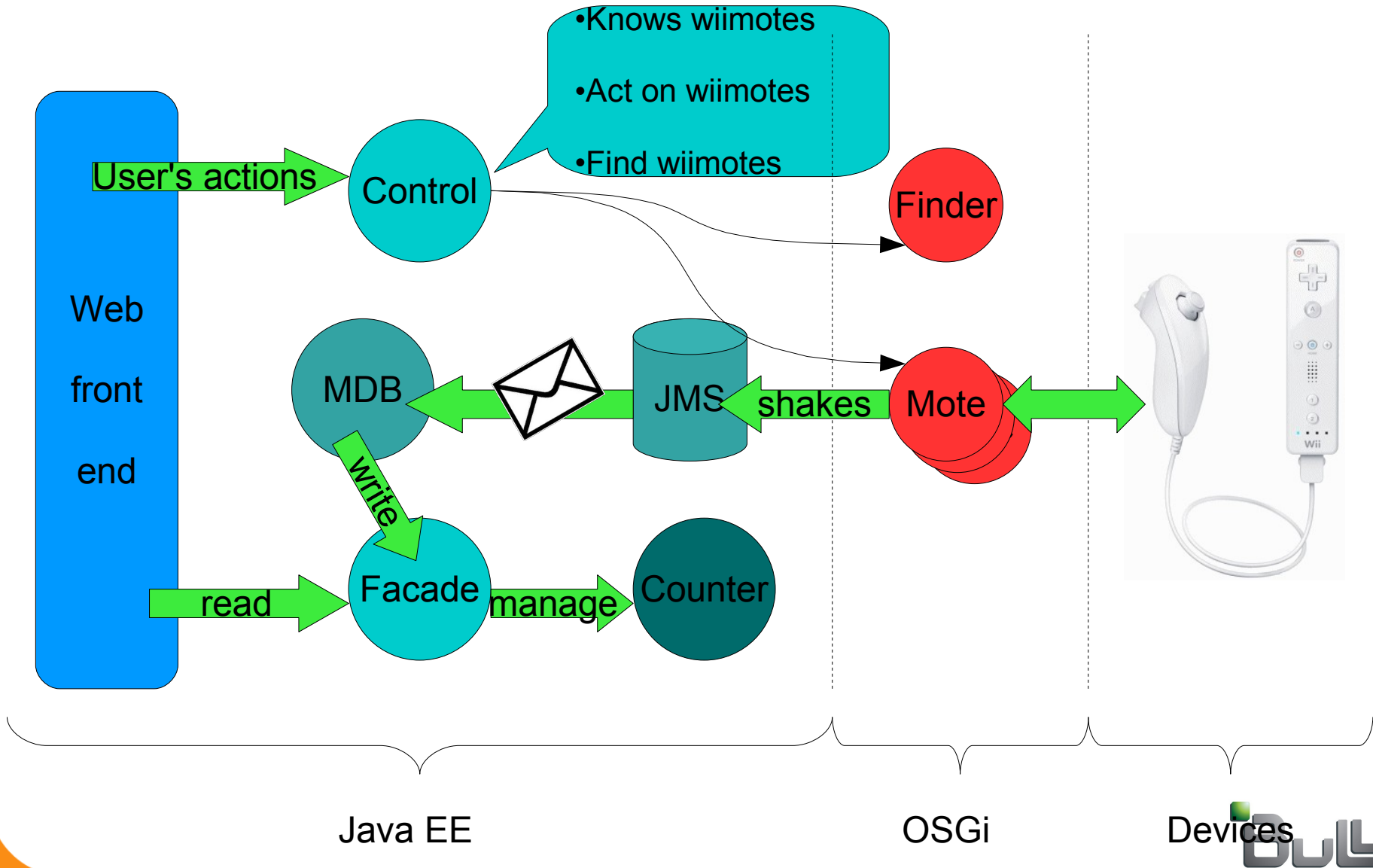
- Service Dynamism
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## ■ Demonstration

- What will be shown
- Layers
- Live ...



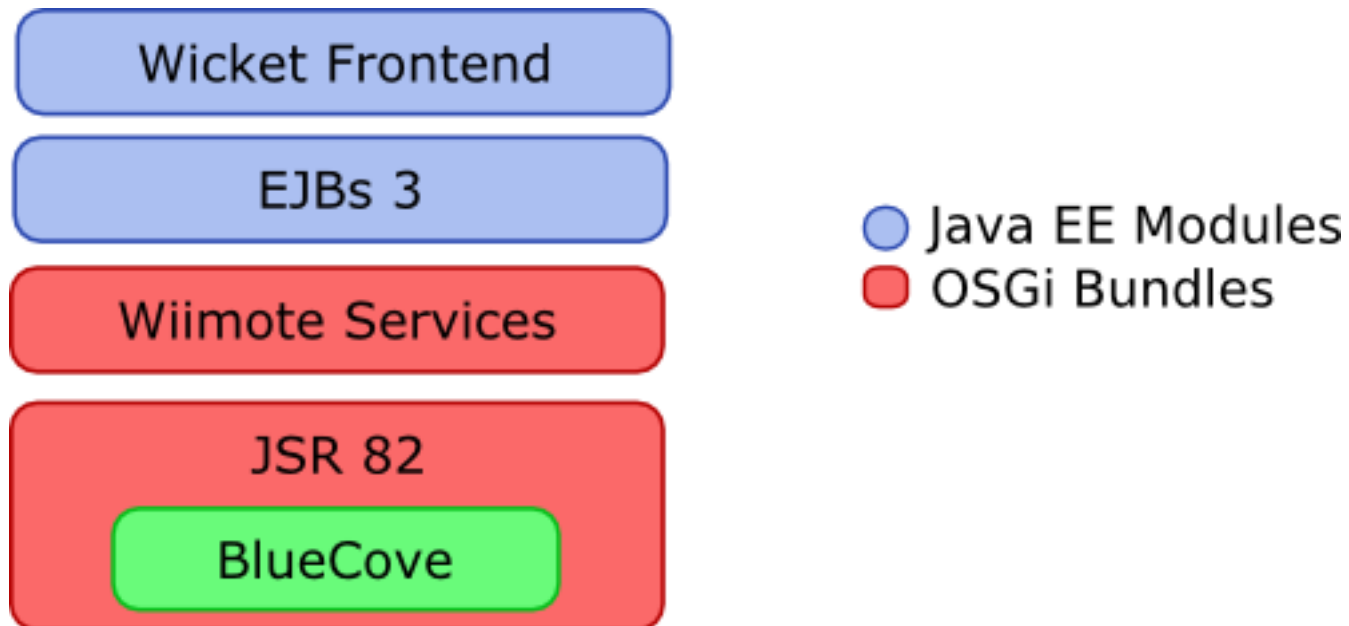
# Demonstration / What ?



# Demonstration / Layers

## ■ Composed Application

- Java EE & OSGi



# Demonstration / Live ...

The screenshot shows a web browser window titled "JOnAS Wiimotes Manager - Windows Internet Explorer". The address bar shows "http://localhost:9000/manager/". The page content includes the OW2 Consortium logo and the text "Leading Open Source Middleware". To the right, there are logos for a yellow cat, "Powered by jetty://", and a blue whale labeled "JOnAS". Below these is the title "JOnAS/OSGi Wiimotes Manager".

The main interface features a section for "Connected Wiimotes:" with a text input field containing "[Mote: 00191DC5820A]", "Search", and "Refresh" buttons. Below this are four checkboxes and an "Apply" button. A "Shake counter: 24" is displayed with "Refresh" and "Reset" buttons. On the right side, there are four buttons: "Rumble", "LEDs On", "LEDs Off", and "Increase".

At the bottom, there are two W3C validation icons for XHTML 1.1 and CSS, both with checkmarks. A "WICKET AJAX DEBUG" link is visible in the bottom right corner. The browser status bar at the bottom shows "Internet" and "100%" zoom.



Thank you !

Any Questions ?