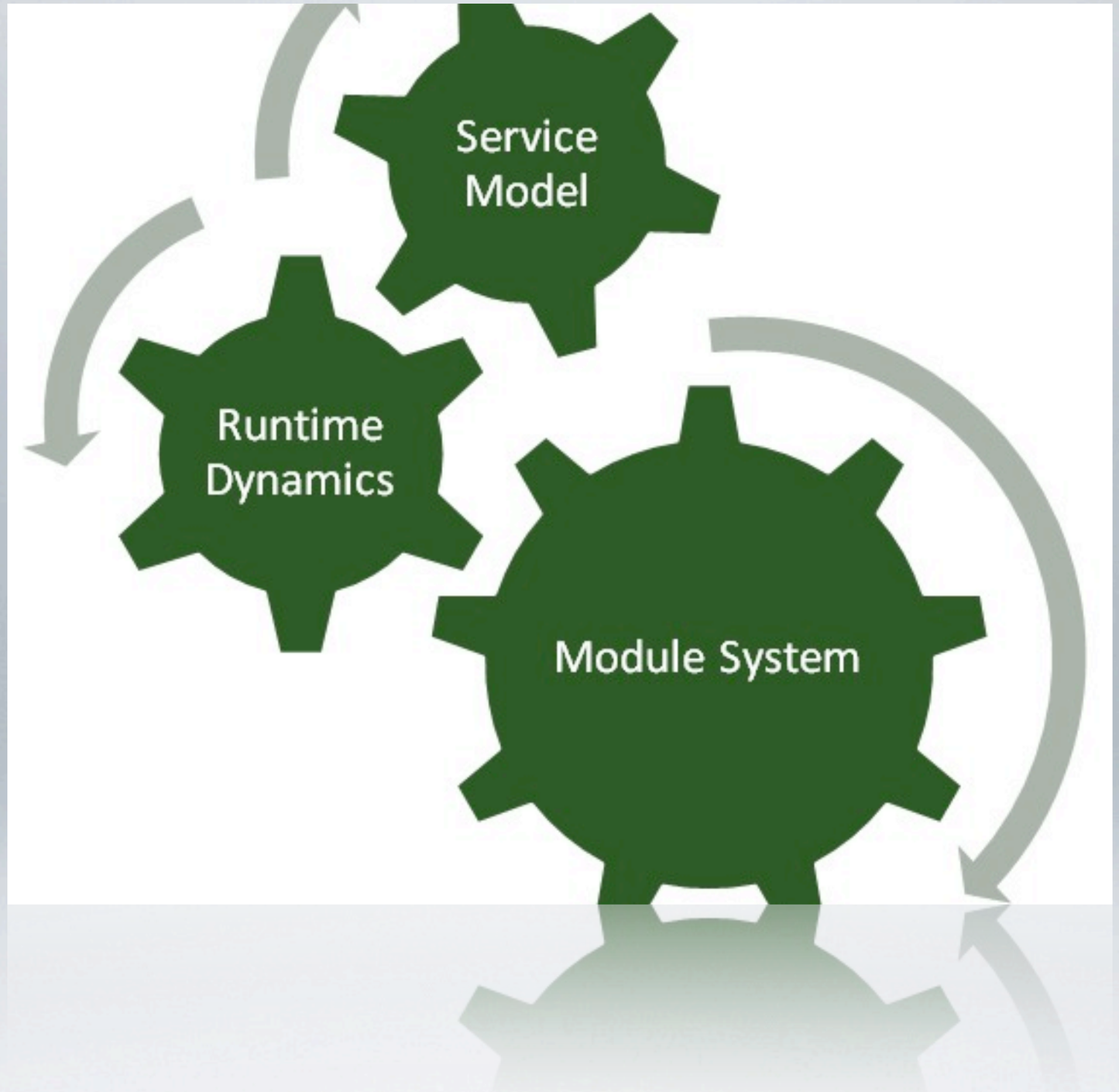
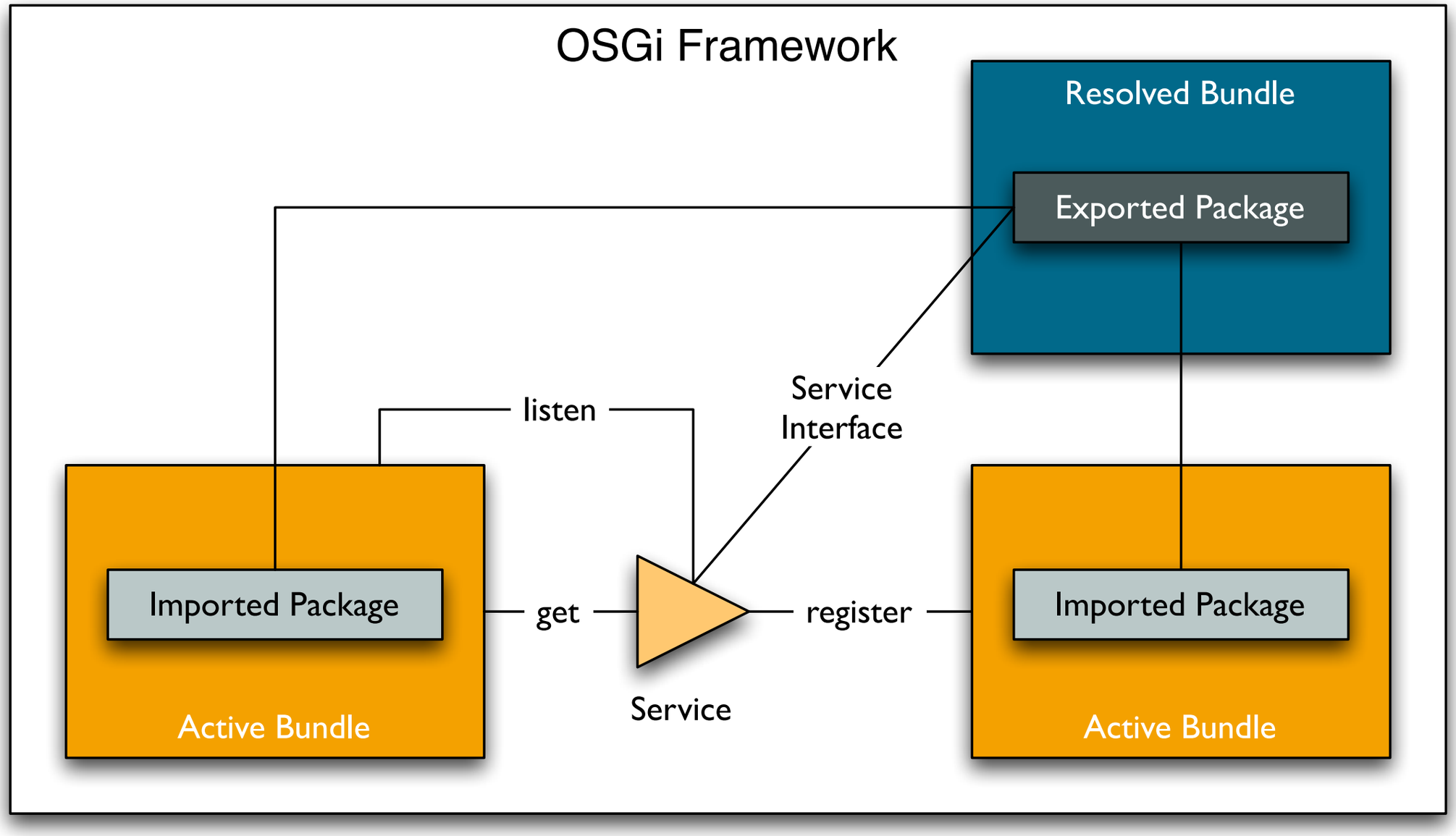
ScalaModules

A Scala DSL to ease OSGi development

Scala Days 2010 - Heiko Seeberger, WeigleWilczek



What's OSGi?



OSGi Service Model

What's the Issue?

```
ServiceReference ref =
    ctx.getServiceReference(Greeting.class.getName());
if (ref != null) {
    try {
        Object service = ctx.getService(ref);
        Greeting greeting = (Greeting) service;
        if (greeting != null) {
            System.out.println(greeting.welcome());
        } else {
            System.out.println("No Greeting service available!");
        }
    } finally {
        ctx.ungetService(ref);
    }
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Cumbersome

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Ugly details

Cumbersome

How could Scala help?

Let's have something like ...

```
osgi giveMe Greeting service and call welcome
```

High-level DSL

Welcome ScalaModules

Live Demo