



Pentaho Web-Service Architecture

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Web Services Architecture

- Uses Apache Axis
- Supports SOAP
- Supports GWT RPC
- JSON support coming (hopefully)

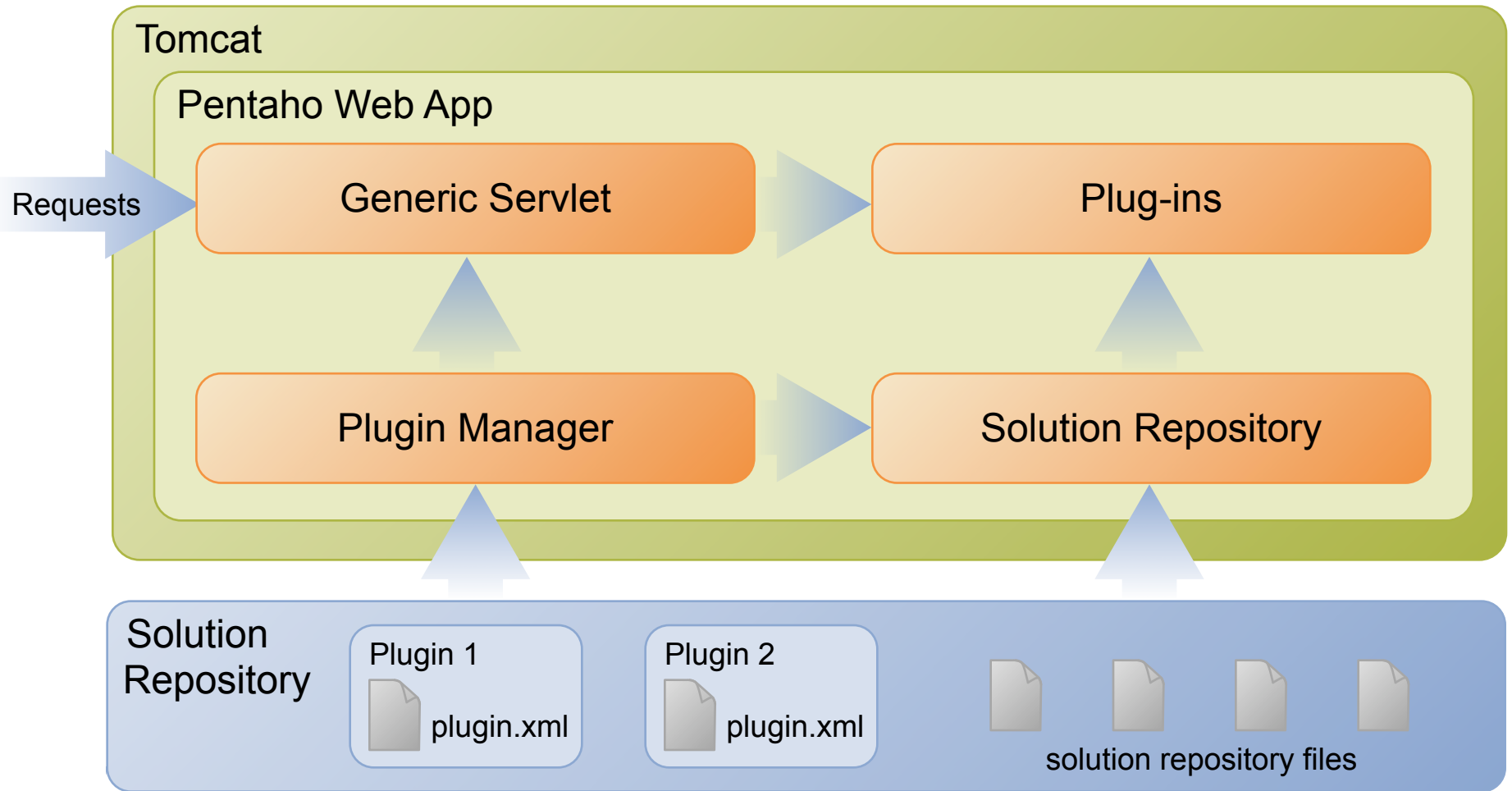
Web Services Architecture

- Uses platform plug-in architecture
- Web Service = Java bean
- Configured via plugin.xml
- Full BI platform available

BI Platform Plug-In Architecture

- Content generators
 - URL handlers
- BI Components
 - Inside action sequences
- Menu options
- Web Services

Plug-in Architecture



Plug-in Architecture - Plugin Structure

Solution Repository

system (folder)

myplugin (folder)

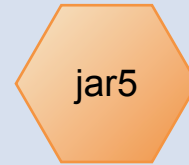


plugin.xml



config files

lib



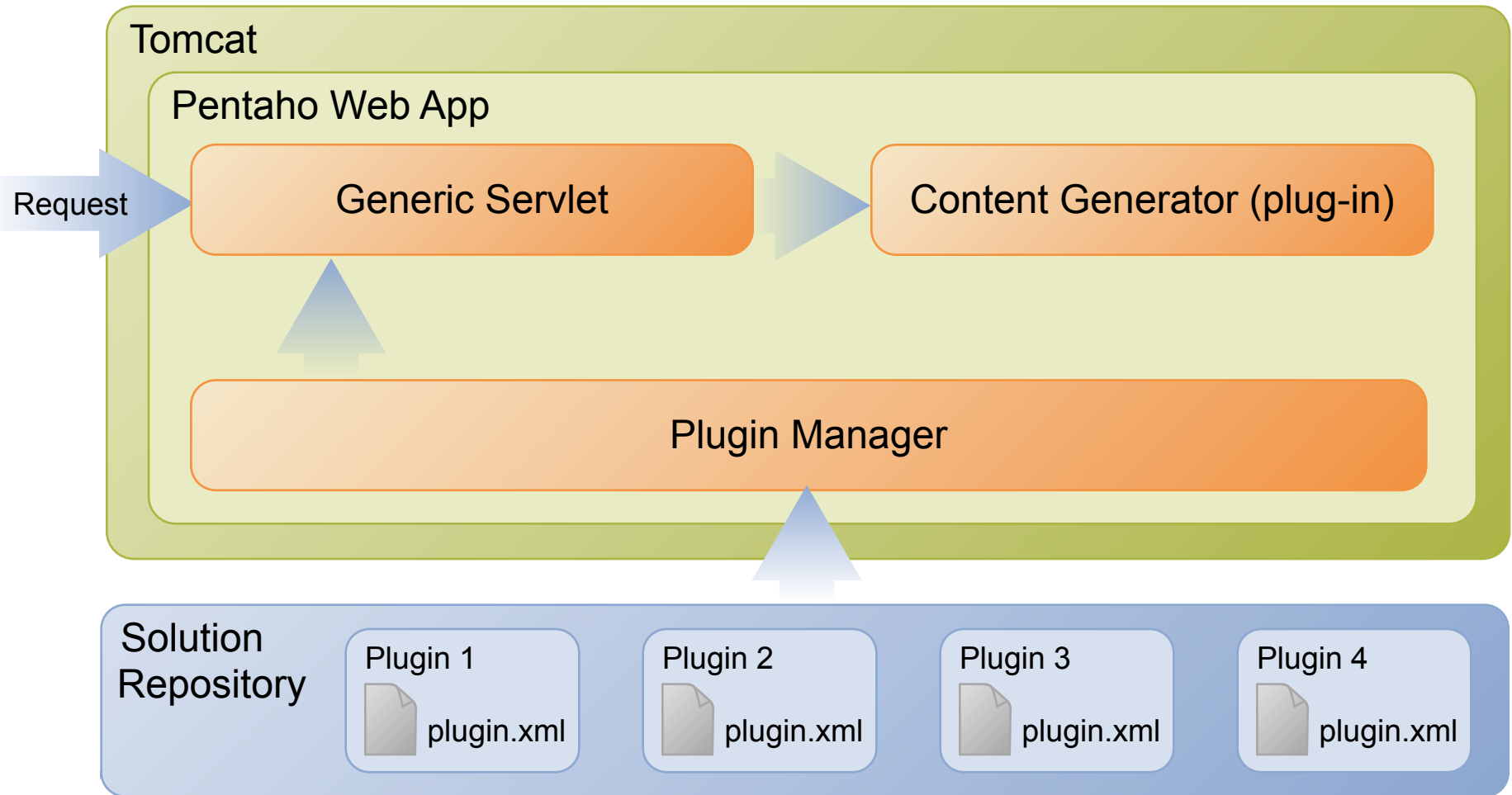
static_content



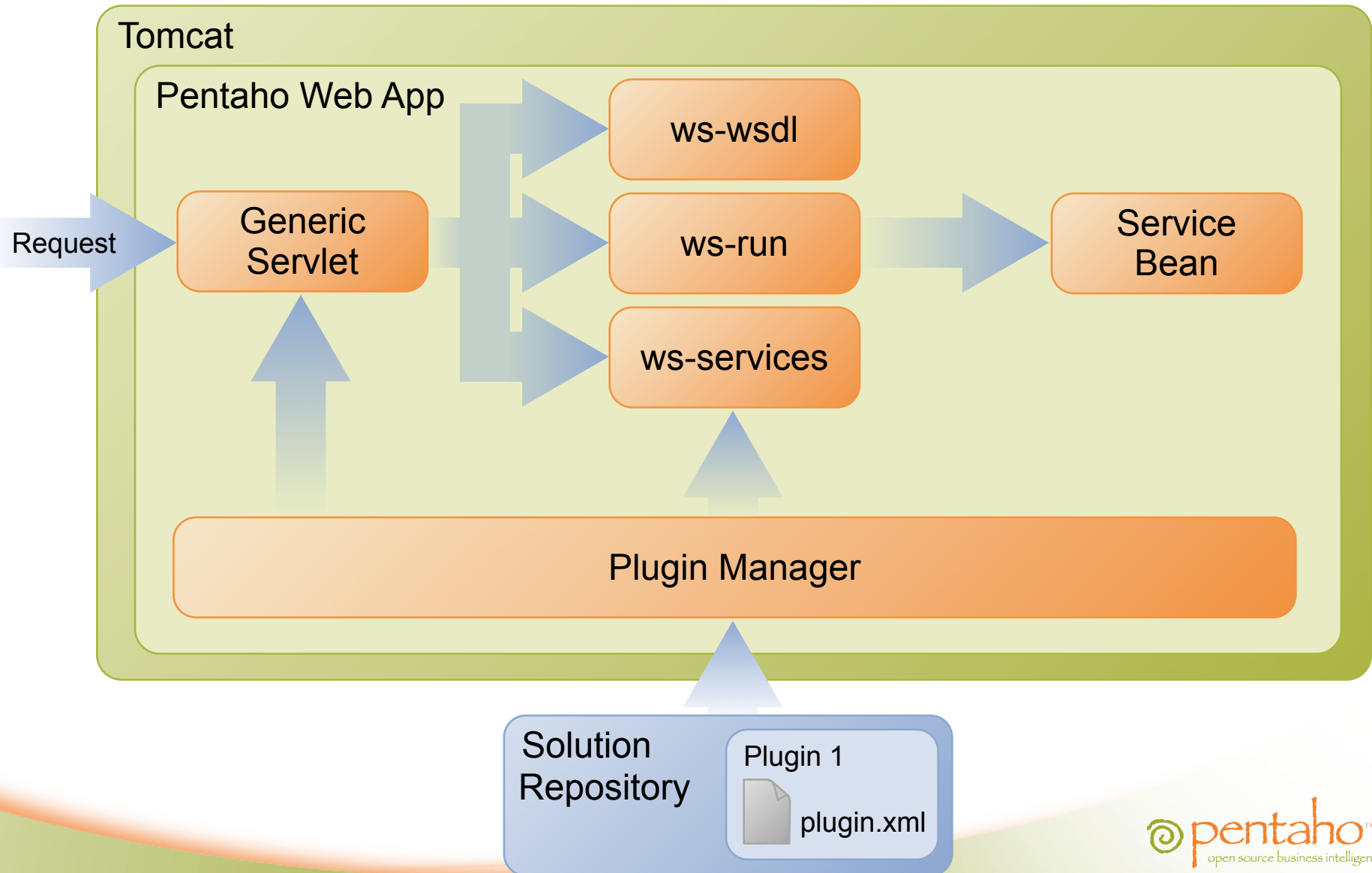
plugin.xml

- Menu option (XUL overlay)
- Lifecycle listeners
- Static content paths
- Content types
- Content generators
- BI components
- Web services

Plug-in Architecture - Content Generators



Plug-in Architecture - Web Services



Web Service Configuration

```
<?xml version="1.0" encoding="UTF-8"?>  
<plugin title="My Plugin">  
  <bean id="echoService"  
    class="org.pentaho.samples.EchoService"/>  
  
  <webservice  
    title="Echo Service"  
    description="A sample webservice that echos an input"  
    ref="echoService"/>  
  
</plugin>
```

More Documentation

- Developing plug-ins
 - <http://tinyurl.com/mnjtjs>
- Echo plug-in
 - <http://tinyurl.com/l5a3hk>