

【SpringBoot 实战】整合 dubbo 框架

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原文链接: <https://hacpai.com/article/1544156176900>

来源网站: [黑客派](#)

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<p>dubbo 是目前比较流行的 RPC 框架，很多互联网公司都在用，今天讲讲如何整合 dubbo。
示例实现：dubbo 基本配置、异步调用、服务降级、多注册中心、服务分组、多版本、结果缓存、优雅停机。</p>

```
<script async src="https://pagead2.googlesyndication.com/pagead/js/adsbygoogle.js"></script>
```

```
<!-- 黑客派PC帖子内嵌-展示 -->
```

```
<ins class="adsbygoogle" style="display:block" data-ad-client="ca-pub-5357405790190342" data-ad-slot="8316640078" data-ad-format="auto" data-full-width-responsive="true"></ins>
```

```
</script>
```

```
(adsbygoogle = window.adsbygoogle || []).push({});
```

```
</script>
```

```
<h2 id="整体结构">整体结构</h2>
```

```
<p> provider：提供接口，供消费者调用<br> provider-impl：提供者接口实现<br> consumer 消费者服务</p>
```

```
<h2 id="pom配置">pom 配置</h2>
```

```
<pre><code class="language-xml highlight-chroma"><span class="highlight-nt">&lt;dependency&gt;</span>
```

```
<span class="highlight-nt">&lt;groupId&gt;</span>com.alibaba.spring.boot<span class="highlight-nt">&lt;/groupId&gt;</span>
```

```
<span class="highlight-nt">&lt;artifactId&gt;</span>dubbo-spring-boot-starter<span class="highlight-nt">&lt;/artifactId&gt;</span>
```

```
<span class="highlight-nt">&lt;version&gt;</span>2.0.0<span class="highlight-nt">&lt;/version&gt;</span>
```

```
<span class="highlight-nt">&lt;/dependency&gt;</span>
```

```
<span class="highlight-nt">&lt;dependency&gt;</span>
```

```
<span class="highlight-nt">&lt;groupId&gt;</span>com.101tec<span class="highlight-nt">&lt;/groupId&gt;</span>
```

```
<span class="highlight-nt">&lt;artifactId&gt;</span>zkclient<span class="highlight-nt">&lt;/artifactId&gt;</span>
```

```
<span class="highlight-nt">&lt;version&gt;</span>0.10<span class="highlight-nt">&lt;/version&gt;</span>
```

```
<span class="highlight-nt">&lt;/dependency&gt;</span>
```

```
</code></pre>
```

```
<h2 id="提供者配置">提供者配置</h2>
```

```
<p>1、ProviderImplApplication 类里面加入</p>
```

```
<pre><code class="language-java highlight-chroma"><span class="highlight-nd">@EnableDubboConfiguration</span>
```

```
</code></pre>
```

```
<p>来开启 dubbo。</p>
```

```
<p>2、接口实现类中加入 com.alibaba.dubbo.config.annotation.Service 注解</p>
```

```
<pre><code class="language-java highlight-chroma"><span class="highlight-nd">@Service</span><span class="highlight-o">(</span><span class="highlight-n">interfaceClass</span>
```

```
<span class="highlight-o">=</span><span class="highlight-n">UserService</span><span class="highlight-o">.</span><span class="highlight-na">class</span><span class="highlight-o">,</span>
```

```
<span class="highlight-n">registry</span><span class="highlight-o">=</span><span class="highlight-o">{</span><span class="highlight-s">"test"</span><span class="highlight-o">}</span></pre>
```

```
<span class="highlight-nd">@Component</span>
```

```
<span class="highlight-nd">@Slf4j</span>
```

```
<span class="highlight-kd">public</span><span class="highlight-kd">class</span><span class="highlight-nc">UserServiceImpl</span>
```

```
<span class="highlight-kd">implements</span>
```

```
n> <span class="highlight-n">UserService</span> <span class="highlight-o">{</span>
<span class="highlight-o">.....</span>
<span class="highlight-o">}</span>
</code> </pre>
<p>3、application.properties 配置</p>
<pre> <code class="language-xml highlight-chroma">server.port = 8081
```

```
dubbo.scan.basePackages = com.cimu.provider.service
spring.dubbo.application.name = cimu-provider
spring.dubbo.application.organization = cimu
spring.dubbo.application.owner = cimu
#配置单个注册中心
#spring.dubbo.registry.address = zookeeper://ip:2181
#配置多个注册中心
spring.dubbo.registries[0].id = test
spring.dubbo.registries[0].address = zookeeper://ip:2181
spring.dubbo.registries[1].id = test1
spring.dubbo.registries[1].address = zookeeper://ip:2182

spring.dubbo.protocol.port = 20880
spring.dubbo.protocol.name = dubbo

spring.dubbo.server = true

spring.dubbo.provider.retries = 0
#多版本
spring.dubbo.provider.version = 0.0.1
#服务分组
spring.dubbo.provider.group = cimu
spring.dubbo.provider.timeout = 6000
#设置优雅停机超时时间， 缺省超时时间是 10 秒， 如果超时则强制关闭。
dubbo.service.shutdown.wait=15000
</code> </pre>
```

```
<script async src="https://pagead2.googlesyndication.com/pagead/js/adsbygoogle.js"> </scr
pt>
```

```
<!-- 黑客派PC帖子内嵌-展示 -->
```

```
<ins class="adsbygoogle" style="display:block" data-ad-client="ca-pub-5357405790190342"
data-ad-slot="8316640078" data-ad-format="auto" data-full-width-responsive="true"> </in
>
<script>
  (adsbygoogle = window.adsbygoogle || []).push({});
```

```
</script>
<h2 id="消费者配置">消费者配置</h2>
<p>1、ConsumerApplication 类中加入</p>
<pre><code class="language-java highlight-chroma"><span class="highlight-nd">@Enable
ubboConfiguration</span>
</code></pre>
<p>来开启 dubbo。 </p>
<p>2、 application.properties</p>
<pre><code class="language-xml highlight-chroma">server.port = 8080
```

```
dubbo.scan.basePackages = com.cimu.provider.service
```

```
spring.dubbo.application.name = cimu-consumer
```

```
spring.dubbo.application.organization = cimu
```

```
spring.dubbo.application.owner = cimu
```

```
##配置单个注册中心
```

```
#spring.dubbo.registry.address = zookeeper://ip:2181
```

```
#配置多个注册中心
```

```
spring.dubbo.registries[0].id = test
```

```
spring.dubbo.registries[0].address = zookeeper://ip:2181
```

```
spring.dubbo.registries[1].id = test1
```

```
spring.dubbo.registries[1].address = zookeeper://ip:2182
```

```
spring.dubbo.protocol.port=20881
```

```
spring.dubbo.protocol.name=dubbo
```

```
spring.dubbo.consumer.version = 0.0.1
```

```
spring.dubbo.consumer.group = cimu
```

```
spring.dubbo.consumer.retries = 0
```

```
spring.dubbo.consumer.timeout = 10000
```

```
</code></pre>
```

```
<p>3、使用</p>
```

```
<pre><code class="language-java highlight-chroma"><span class="highlight-nd">@Reference
</span><span class="highlight-o">(</span><span class="highlight-n">check</span><span class="highlight-o">=</span><span class="highlight-o">=</span><span class="highlight-kc">true</span><span class="highlight-o">,</span><span class="highlight-n">registry</span><span class="highlight-o">=</span><span class="highlight-s">"test"</span><span class="highlight-o">)</span>
<span class="highlight-kd">private</span><span class="highlight-n">UserService</span>
<span class="highlight-n">userService</span><span class="highlight-o">;</span>
<span class="highlight-nd">@Reference</span><span class="highlight-o">(</span><span class="highlight-n">mock</span><span class="highlight-o">=</span><span class="highlight-o">=</span><span class="highlight-s">"return 123"</span><span class="highlight-o">,</span><span class="highlight-n">registry</span><span class="highlight-o">=</span><span class="highlight-s">"test"</span></code>
</pre>
<pre><code class="language-java highlight-chroma"><span class="highlight-kd">private</span><span class="highlight-n">MockService</span>
<span class="highlight-n">mockService</span><span class="highlight-o">;</span>
<span class="highlight-nd">@Reference</span><span class="highlight-o">(</span><span class="highlight-n">mockService</span><span class="highlight-o">=</span><span class="highlight-o">=</span><span class="highlight-s">"return 123"</span><span class="highlight-o">,</span><span class="highlight-n">registry</span><span class="highlight-o">=</span><span class="highlight-s">"test"</span></code>
```

```
class="highlight-n">registry</span> <span class="highlight-o">=</span> <span class="highlight-s">"test"</span><span class="highlight-o">)</span>
<span class="highlight-kd">private</span> <span class="highlight-n">AsyncService</span>
<span class="highlight-n">asyncService</span><span class="highlight-o">;</span>
<span class="highlight-nd">@Reference</span><span class="highlight-o">(</span><span class="highlight-n">registry</span> <span class="highlight-o">=</span> <span class="highlight-s">"test1"</span> <span class="highlight-o">,</span><span class="highlight-n">cache</span><span class="highlight-o">=</span><span class="highlight-s">"lru"</span><span class="highlight-o">)</span>
<span class="highlight-kd">private</span> <span class="highlight-n">OtherRegistryService</span>
<span class="highlight-n">otherRegistryService</span><span class="highlight-o">
</span>
</code></pre>
<p><a href="https://link.hacpai.com/forward?goto=https%3A%2F%2Fgitee.com%2Fccgx%2FspringBootCase%2Ftree%2Fmaster%2Fchapter_dubbo" target="_blank" rel="nofollow ugc">码地址</a></p>
```