



链滴

springcloud(五): 熔断监控 Hystrix Dashboard

作者: [911708498](#)

原文链接: <https://ld246.com/article/1543460657457>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

Hystrix-dashboard 是一款针对 Hystrix 进行实时监控的工具, 通过 Hystrix Dashboard 我们可以在直观地看到各 Hystrix Command 的请求响应时间, 请求成功率等数据。但是只使用 Hystrix Dashboard 的话, 你只能看到单个应用内的服务信息, 这明显不够。我们需要一个工具能让我们汇总系统内个服务的数据并显示到 Hystrix Dashboard 上, 这个工具就是 Turbine.</p>

Hystrix Dashboard

我们在熔断示例项目 spring-cloud-consumer-hystrix 的基础上更改, 重新命名为: spring-cloud-consumer-hystrix-dashboard。</p>

1、添加依赖</p>

```
<code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">&lt;dependency></span></span><span class="highlight-line"><span class="highlight-cl">    &lt;groupId>org.springframework.cloud&lt;/groupId></span></span><span class="highlight-line"><span class="highlight-cl">    &lt;artifactId>spring-cloud-starter-hystrix&lt;/artifactId></span></span><span class="highlight-line"><span class="highlight-cl">&lt;/dependency></span></span><span class="highlight-line"><span class="highlight-cl">&lt;dependency></span></span><span class="highlight-line"><span class="highlight-cl">&lt;dependency></span></span><span class="highlight-line"><span class="highlight-cl">    &lt;groupId>org.springframework.cloud&lt;/groupId></span></span><span class="highlight-line"><span class="highlight-cl">    &lt;artifactId>spring-cloud-starter-hystrix-dashboard&lt;/artifactId></span></span><span class="highlight-line"><span class="highlight-cl">&lt;/dependency></span></span><span class="highlight-line"><span class="highlight-cl">&lt;dependency></span></span><span class="highlight-line"><span class="highlight-cl">&lt;dependency></span></span><span class="highlight-line"><span class="highlight-cl">    &lt;groupId>org.springframework.boot&lt;/groupId></span></span><span class="highlight-line"><span class="highlight-cl">    &lt;artifactId>spring-boot-starter-actuator&lt;/artifactId></span></span><span class="highlight-line"><span class="highlight-cl">&lt;/dependency></span></span></code></pre>
```

这三个包必须添加</p>

2、启动类

启动类添加启用 Hystrix Dashboard 和熔断器</p>

```
<code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">@SpringBootApplication</span></span><span class="highlight-line"><span class="highlight-cl">@EnableDiscoverClient</span></span><span class="highlight-line"><span class="highlight-cl">@EnableFeignClients</span></span><span class="highlight-line"><span class="highlight-cl">@EnableHystrixDashboard</span></span><span class="highlight-line"><span class="highlight-cl">@EnableCircuitBreaker</span></span><span class="highlight-line"><span class="highlight-cl">public class ConsumerApplication {</span></span><span class="highlight-line"><span class="highlight-cl"></span></span><span class="highlight-line"><span class="highlight-cl">    public static void main(String[] args) {</span></span><span class="highlight-line"><span class="highlight-cl">        SpringApplication.run(ConsumerApplication.class, args);</span></span><span class="highlight-line"><span class="highlight-cl">    }</span></span></code>
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">}
```

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

<p>3、测试

启动工程后访问 <http://localhost:9001/hystrix>，将会看到如下界面：</p>

<p>

图中会有一些提示：</p>

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">Cluster via Turbine (default cluster): http://turbine-hostname:port/turbine.stream   </span></span><span class="highlight-line"><span class="highlight-cl">Cluster via Turbine (custom cluster): http://turbine-hostname:port/turbine.stream?cluster=[clusterName]</span></span><span class="highlight-line"><span class="highlight-cl">Single Hystrix App http://hystrix-app:port/hystrix.stream</span></span></code></pre>
```

<p>大概意思就是如果查看默认集群使用第一个 url,查看指定集群使用第二个 url,单个应用的监控使最后一个，我们暂时只演示单个应用的所以在输入框中输入： localhost:9001/hystrix.stream，输

<p>如果没有请求会先显示 Loading ...，访问 <http://localhost:9001/hystrix.stream> 也会不断的显示 ping。</p>

<p>请求服务 <http://localhost:9001/hello/neo>，就可以看到监控的效果了，首先访问 <http://localhost:9001/hystrix.stream>，显示如下：</p>

```
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">ping:</span></span><span class="highlight-line"><span class="highlight-cl">
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">data: {"type":...}
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">data: {"type":...}
```

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

<p>说明已经返回了监控的各项结果</p>

<p>到监控页面就会显示如下图：</p>

<p>

其实就是 <http://localhost:9001/hystrix.stream> 返回结果的图形化显示，Hystrix Dashboard Wiki 上详细说明了图上每个指标的含义，如下图：</p>

<p>

到此单个应用的熔断监控已经完成。</p>

<p>技术架构图如下：</p>

<p></p>