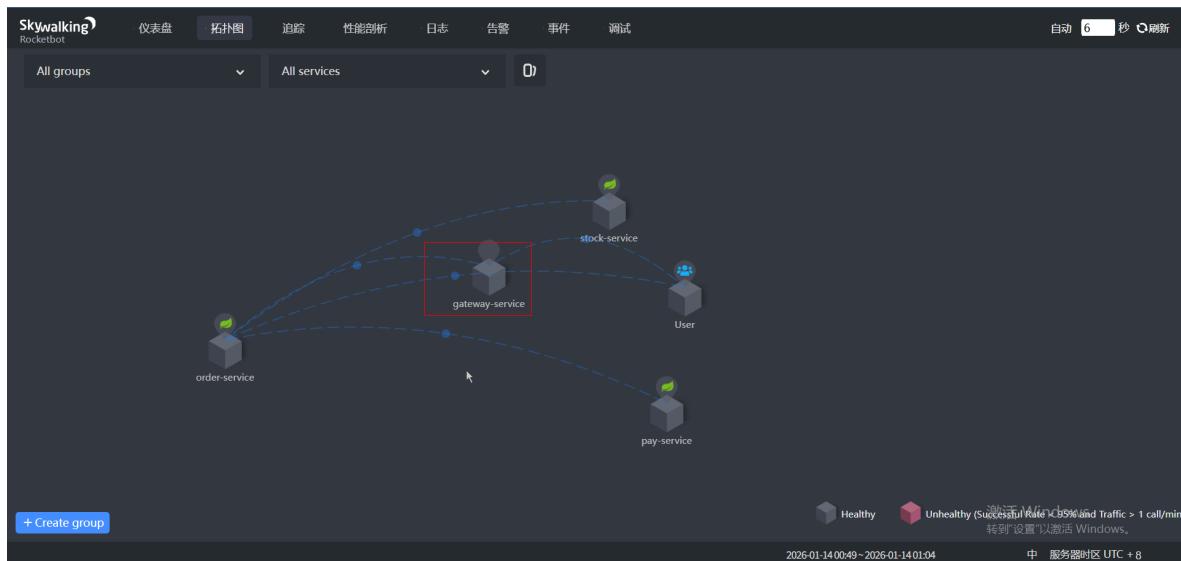


# skywalking-study

## 1.网址

```
1 1.官网  
2 https://skywalking.apache.org/  
3 2.文档  
4 https://skywalking.apache.org/docs/main/latest/en/setup/backend/backend-setup/  
5  
6 3.github项目文档  
7 https://github.com/fanda521/skywalking-project  
8  
9 4.下载指定的版本的skywalking  
10 https://archive.apache.org/dist/skywalking/  
11  
12 agent 单独下载，新版本拆分开了  
13 https://archive.apache.org/dist/skywalking/java-agent/8.8.0/  
14  
15  
16 5.gateway 默认是不记录在里面的，需要把agent的optionPlugin 中的gateway的jar复制到  
agent中的plugins中才能看到记录，下面的是加了之后能看到的
```



## 2.注意点

### 1.项目jar

```
1 本身不用引入所谓的skywalking-spring-boot-starter,因为压根就没有这个，也不需要引入；除非  
2 定制化监控端点，需要引入下面这个jar  
3 <dependency>  
4   <groupId>org.apache.skywalking</groupId>  
5     <artifactId>apm-toolkit-trace</artifactId>  
6 </dependency>
```

## 2.启动需要探测的项目参数

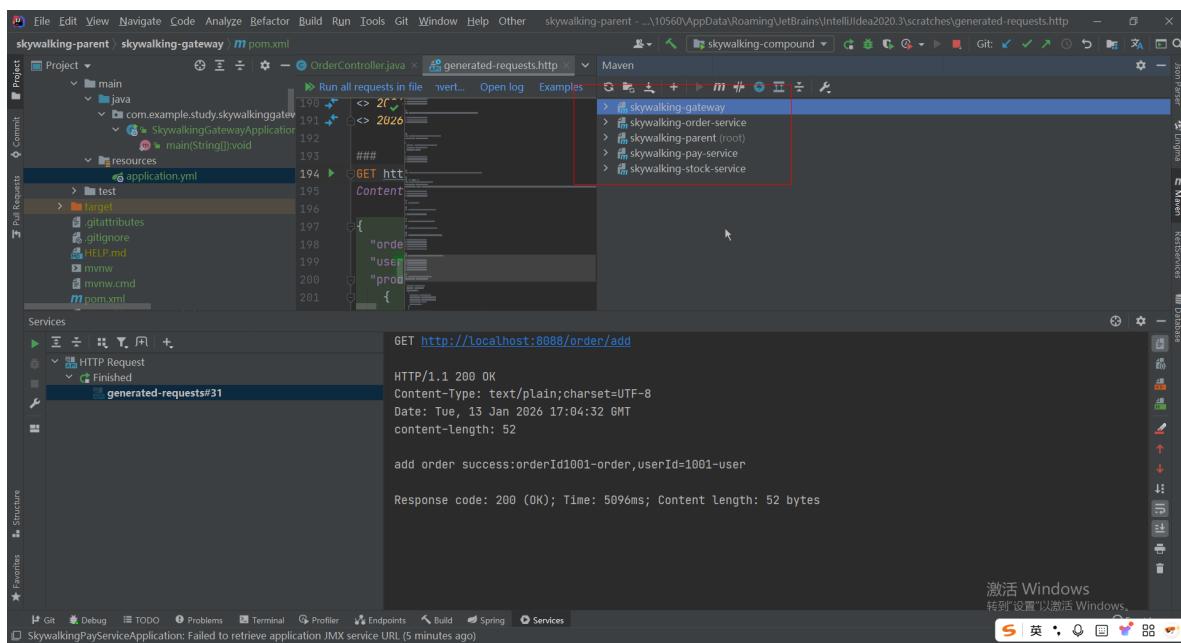
```
1 java -javaagent:/path/to/skywalking-agent/skywalking-agent.jar \  
2 -Dskywalking.agent.service_name=your-spring-boot-app \  
3 -Dskywalking.collector.backend_service=127.0.0.1:11800 \  
4 -jar your-spring-boot-app.jar
```

## 3.项目版本坑

```
1 1.如果你的skywalking是8以上的需要jdk11，否则启动失败
```

## 3.项目结构

```
1 1.skywalking-parent  
2 2.skywalking-gateway  
3 3.skywalking-order-service  
4 4.skywalking-pay-service  
5 5.skywalking-stock-service
```



## 1.启动项目时的vm option

```

1 -javaagent:s:\Professions\skywalking\soft\apache-skywalking-java-agent-
8.8.0\skywalking-agent/skywalking-agent.jar
2 -Dskywalking.agent.service_name=gateway-service
3 -Dskywalking.collector.backend_service=127.0.0.1:11800

```

## 2.skywalking-ui

The screenshot shows the SkyWalking UI dashboard at [localhost:8688](http://localhost:8688). The top navigation bar includes tabs for 仪表盘 (Dashboard), 拓扑图 (Topology), 追踪 (Tracing), 性能剖析 (Performance Analysis), 日志 (Logs), 告警 (Alerts), 事件 (Events), and 调试 (Debug). The main content area has tabs for APM, Database, Event, Istio, Istio Data Plane, K8s, SelfObservability, VM, and Web Browser. The current view is on the APM tab, specifically the Service Load section. It displays four panels: Services Load (CPM / PPM) with stock-service, pay-service, order-service, and gateway-service; Slow Services (ms) with gateway-service (3622 ms); Un-Health Services (Apdex) with gateway-service (0); and Slow Endpoints (ms) with gateway-service - /order/add (3622 ms). Below these are Global Response Latency (percentile in ms) and Global Heatmap (ms) sections.

The screenshot shows the SkyWalking UI tracing interface at [localhost:8688/trace](http://localhost:8688/trace). The top navigation bar includes tabs for 仪表盘 (Dashboard), 拓扑图 (Topology), 追踪 (Tracing), 性能剖析 (Performance Analysis), 日志 (Logs), 告警 (Alerts), 事件 (Events), and 调试 (Debug). The main content area includes filters for 服务 (Service), 实例 (Instance), 锁点 (Lockpoint), 状态 (Status), and a search bar. The tracing results for the /order/add endpoint are displayed, showing a timeline from 2026-01-14 01:04:28 to 2026-01-14 01:04:28. The trace path includes SpringCloudGateway/RoutingFilter, SpringCloudGateway/sendRequest, GET:/order/add, /pay/orderPay, and GET:/pay/orderPay. The total duration for this trace is 3622 ms.

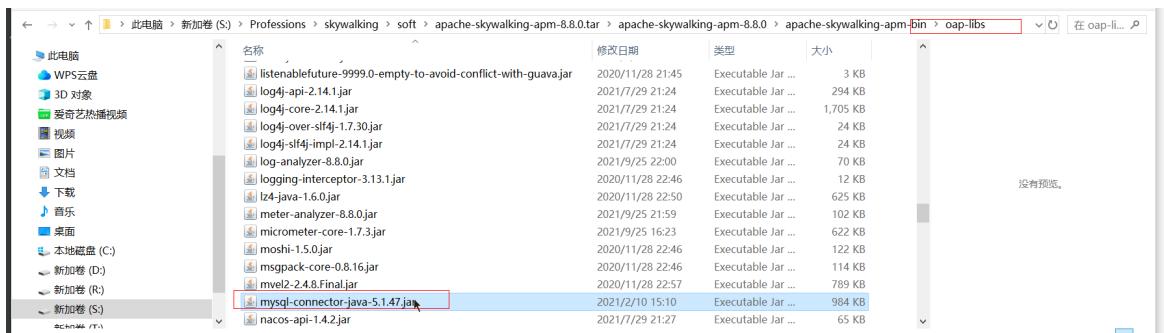
The screenshot shows the SkyWalking event monitoring interface at [localhost:8688/event](http://localhost:8688/event). The top navigation bar includes links for Dashboard, Topology, Tracing, Performance Analysis, Logs, Alarms, Events, and Debug. The 'Events' tab is selected. The search bar shows '搜索' (Search) and the current page '1 / 1'. The main content area displays four log entries for 'Start Java Application' events, each with a timestamp (2026-01-14), a date (01:03:39, 01:03:32, 01:03:24, 01:02:47), and a status (服务 - Service). A cursor is hovering over the third entry. At the bottom right, there is a watermark for '激活 Windows 转到“设置”以激活 Windows.' and the text '2026-01-14 00:57 ~ 2026-01-14 01:12 中 服务器时区 UTC + 8'.

## 4.持久化放入mysql

### 1.修改skywalking配置文件

- 1 1. 先建一个空的数据库skywalking
- 2 2. 将mysql驱动的jar放入oap-libs中
- 3 3. 修改配置
- 4 4. 重启skywalking

- mybatis
- mybatis\_plus\_center
- mybatis-generator-study
- mybatis-study
- mymaven
- mysql
- nacos\_config
- new\_schema
- performance\_schema
- quartz\_test
- reactive\_db
- read-mysql
- redis-project
- sakila
- school\_library
- shiro\_study
- ▼ skywalking
  - 表
  - 视图
  - 函数
  - 查询
  - 备份
- smart\_admin
- smart-admin-dev
- spring
- spring\_cloud\_test
- spring\_data\_jpa\_one
- springboot
- spring-boot-batch
- springboot-cache
- springboot-ehcache
- springboot-mybatis-test1
- springboot-savefile-to-database
- spring-post-transaction
- spring-seurity
- spring-security-apart
- sql\_index



```
*S:\Professions\skywalking\soft\apache-skywalking-apm-8.8.0.tar\apache-skywalking-apm-8.8.0\apache-skywalking-apm-bin\config\application.yml - Notepad++ [Administrator]
文件(F) 编辑(E) 搜索(S) 视图(V) 编码(N) 语言(L) 设置(T) 工具(O) 宏(M) 运行(R) 插件(P) 窗口(W) ?
application.properties startup.cmd hosts redis.conf processus.yml application.yml application.yaml

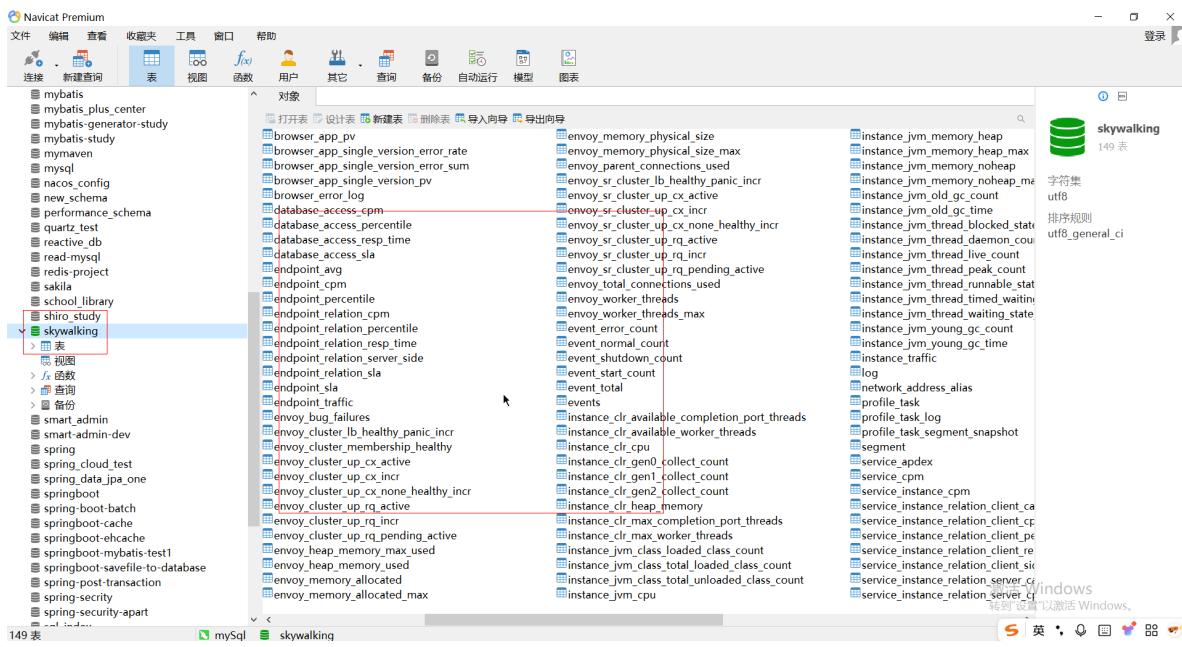
112 # Define the set of log tag keys, which should be searchable through the GraphQL.
113 searchableLogTags: ${SW_SEARCHABLE_LOGS_TAGS:level}
114 # Define the set of alarm tag keys, which should be searchable through the GraphQL.
115 searchableAlarmTags: ${SW_SEARCHABLE_ALARM_TAGS:level}
116 # The number of threads used to prepare metrics data to the storage.
117 prepareThreads: ${SW_CORE_PREPARE_THREADS:2}
118 # Turn it on automatically grouping endpoint by the given OpenAPI definitions.
119 enableEndpointNameGroupingByOpenapi: ${SW_CORE_ENABLE_ENDPOINT_NAME_GROUPING_BY_OAOPENAPI:true}
120
121 storage:
122   selector: ${SW_STORAGE:mysql}
123   elasticSearch:
124     namespace: ${SW_NAMESPACE:""}
125     clusterNodes: ${SW_STORAGE_ES_CLUSTER_NODES:localhost:9200}
126     protocol: ${SW_STORAGE_ES_HTTP_PROTOCOL:"http"}
127     connectTimeout: ${SW_STORAGE_ES_CONNECT_TIMEOUT:500}
128     socketTimeout: ${SW_STORAGE_ES_SOCKET_TIMEOUT:30000}
129     numHttpClientThread: ${SW_STORAGE_ES_NUM_HTTP_CLIENT_THREAD:0}
130     user: ${SW_ES_USER:""}
131     password: ${SW_ES_PASSWORD:""}
132     trustStorePath: ${SW_STORAGE_ES_SSL_JKS_PATH:""}
133     trustStorePass: ${SW_STORAGE_ES_SSL_JKS_PASS:""}
134     secretsManagementFile: ${SW_ES_SECRETS_MANAGEMENT_FILE:""} # Secrets management file in the properties format includes the username, password, which are managed by the system.
135     dayStep: ${SW_STORAGE_DAY_STEP:1} # Represent the number of days in the one minute/hour/day index.
136     indexShardsNumber: ${SW_STORAGE_ES_INDEX_SHARDS_NUMBER:1} # Shard number of new indexes.
137     indexReplicasNumber: ${SW_STORAGE_ES_INDEX_REPLICAS_NUMBER:1} # Replicas number of new indexes.
138     # Super data set has been defined in the codes, such as trace segments. The following 3 config would be improve es performance when storage super size data in superDatasetDayStep: ${SW_SUPERDATASET_STORAGE_DAY_STEP:-1} # Represent the number of days in the super size dataset record index, the default value is the same as dayStep.

激活 Windows
转到“设置”以激活 Windows.
```

```
*S:\Professions\skywalking\soft\apache-skywalking-apm-8.8.0.tar\apache-skywalking-apm-8.8.0\apache-skywalking-apm-bin\config\application.yml - Notepad++ [Administrator]
文件(F) 编辑(E) 搜索(S) 视图(V) 编码(N) 语言(L) 设置(T) 工具(O) 宏(M) 运行(R) 插件(P) 窗口(W) ?
application.properties startup.cmd hosts redis.conf processus.yml application.yml application.yaml

157 user: ${SW_STORAGE_H2_USER:sa}
158 metadataQueryMaxSize: ${SW_STORAGE_H2_QUERY_MAX_SIZE:5000}
159 maxSizeOfArrayColumn: ${SW_STORAGE_MAX_SIZE_OF_ARRAY_COLUMN:20}
160 numOfSearchableValuesPerTag: ${SW_STORAGE_NUM_OF_SEARCHABLE_VALUES_PER_TAG:2}
161 maxSizeOfBatchSql: ${SW_STORAGE_MAX_SIZE_OF_BATCH_SQL:100}
162 asyncBatchPersistentPoolSize: ${SW_STORAGE_ASYNC_BATCH_PERSISTENT_POOL_SIZE:1}
163
164 mysql:
165   properties:
166     jdbcUrl: ${SW_JDBC_URL:"jdbc:mysql://localhost:3306/skywalking?rewriteBatchedStatements=true"}
167     dataSource.user: ${SW_DATA_SOURCE_USER:root}
168     dataSource.password: ${SW_DATA_SOURCE_PASSWORD:331224}
169     dataSource.cachePrepStmts: ${SW_DATA_SOURCE_CACHE_PREP_STMTS:true}
170     dataSource.prepStmtCacheSize: ${SW_DATA_SOURCE_PREP_STMT_CACHE_SQL_SIZE:250}
171     dataSource.prepStmtCacheSqlLimit: ${SW_DATA_SOURCE_PREP_STMT_CACHE_SQL_LIMIT:2048}
172     dataSource.useServerPrepStmts: ${SW_DATA_SOURCE_USE_SERVER_PREP_STMTS:true}
173     metaDataQueryMaxSize: ${SW_STORAGE_MYSQL_QUERY_MAX_SIZE:5000}
174     maxSizeOfArrayColumn: ${SW_STORAGE_MAX_SIZE_OF_ARRAY_COLUMN:20}
175     numOfSearchableValuesPerTag: ${SW_STORAGE_NUM_OF_SEARCHABLE_VALUES_PER_TAG:2}
176     maxSizeOfBatchSql: ${SW_STORAGE_MAX_SIZE_OF_BATCH_SQL:2000}
177     asyncBatchPersistentPoolSize: ${SW_STORAGE_ASYNC_BATCH_PERSISTENT_POOL_SIZE:4}
178
179 tidb:
180   properties:
181     jdbcUrl: ${SW_JDBC_URL:"jdbc:mysql://localhost:4000/tidbswtest?rewriteBatchedStatements=true"}
182     dataSource.user: ${SW_DATA_SOURCE_USER:root}
183     dataSource.password: ${SW_DATA_SOURCE_PASSWORD:""}
184     dataSource.cachePrepStmts: ${SW_DATA_SOURCE_CACHE_PREP_STMTS:true}
185     dataSource.prepStmtCacheSize: ${SW_DATA_SOURCE_PREP_STMT_CACHE_SQL_SIZE:250}
186     dataSource.prepStmtCacheSqlLimit: ${SW_DATA_SOURCE_PREP_STMT_CACHE_SQL_LIMIT:2048}
187     dataSource.useServerPrepStmts: ${SW_DATA_SOURCE_USE_SERVER_PREP_STMTS:true}

激活 Windows
转到“设置”以激活 Windows.
```



## 5.自定义链路

### 1.注解

- 1 **@Trace:** 标记该方法需要被 SkyWalking 追踪，**@Tag** 必须配合 **@Trace** 使用才生效，否则无法采集标签信息。
- 2 **@Tag:** 单个标签定义，核心属性有两个：
- 3 **key:** 标签名称（在 SkyWalking UI 中展示的标签键）。
- 4 **value:** 标签值表达式，支持 SkyWalking 内置表达式，核心常用表达式：
- 5 **args[index]:** 获取方法入参，**index** 为入参下标（从 0 开始），对应方法参数列表的顺序。
- 6 **returnedObj:** 获取方法的返回结果（仅当方法正常返回时有效，异常时无法获取）。
- 7 **@Tags:** 用于包裹多个 **@Tag** 注解，解决单个方法需要定义多个标签的场景（Java 不支持单个注解重复标注）。

### 2.jar

```

1 <!-- SkyWalking 追踪工具包，提供 @Trace/@Tag 等注解 -->
2 <dependency>
3   <groupId>org.apache.skywalking</groupId>
4   <artifactId>apm-toolkit-trace</artifactId>
5   <version>8.16.0</version> <!-- 替换为你的 skywalking 版本 -->
6   <scope>provided</scope>
7 </dependency>
```

### 3.实际使用

```

1 @Trace // 标记该方法被 skywalking 追踪，必须添加
2 @Tags({
3   // 采集第一个入参 orderId (下标 0)
4   @Tag(key = "orderEntity", value = "arg[0]"),
5   @Tag(key = "addOrderResult", value = "returnedobj")
6 })
7 public String addorder(OrderEntity orderEntity) throws
8 JsonProcessingException {
9   // 1. 创建定点
```

```

9      log.info("创建订单成功:orderEntity={}",  

10     objectMapper.writeValueAsString(orderEntity));  

11     // 2.支付  

12     BigDecimal amt = BigDecimal.ZERO;  

13     List<ProductEntity> productList = orderEntity.getProductList();  

14     if (productList != null && productList.size() > 0) {  

15         for (ProductEntity productEntity : productList) {  

16             amt = amt.add(productEntity.getProductPrice().multiply(new  

17             BigDecimal(productEntity.getProductCount())));  

18         }
19     }
20     payOpenFeignClient.pay(orderEntity.getOrderId(),  

21     orderEntity.getUserId(), amt);
22     // 3.扣除库存
23     for (ProductEntity productEntity : orderEntity.getProductList()) {
24         stockOpenFeignClient.deduct(productEntity.getProductId(),
25         productEntity.getProductCount());
26     }
27     return "add order success:orderId" + orderEntity.getOrderId() +  

28     ",userId=" + orderEntity.getUserId();
29
30 }

```

## 4.效果展示

The screenshot shows the SkyWalking UI at [localhost:8688/trace](http://localhost:8688/trace). The top navigation bar includes links for Dashboard, Topology, Monitoring, Performance Analysis, Log, Alert, Event, and Test. The main area displays a trace detail for a specific transaction. On the left, there's a sidebar with 'Trace Information' and a 'Logs' section containing several log entries. One entry is highlighted with a red border:

```

OrderEntity(orderId=1001-order, userId=1001-user, productList=[ProductEntity(productId=1001-product, productName=1001-productName, productDesc=1001-productDesc, productPrice=34.90, productCount=2), ProductEntity(productId=1002-product, productName=1002-productName, productDesc=1002-productDesc, productPrice=15.45, productCount=3)])

```

Below this, another log entry is also highlighted:

```

add order success:orderId1001-order,userId=1001-user

```

The right side of the screen shows a timeline of events with various colored bars representing different service components.

## 6.日志

### 1.pom

```

1 <dependency>
2   <groupId>org.apache.skywalking</groupId>
3   <artifactId>apm-toolkit-logback-1.x</artifactId>
4   <version>8.8.0</version>
5 </dependency>

```

## 2.logback-spring.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <configuration scan="true" scanPeriod="60 seconds">
3     <!-- 1. 控制台输出 Appender (保留原有, 方便本地调试) -->
4     <appender name="CONSOLE" class="ch.qos.logback.core.ConsoleAppender">
5         <encoder class="ch.qos.logback.core.encoder.LayoutWrappingEncoder">
6             <!-- 日志格式: 包含 TraceID (%tid)、时间、级别、类名、日志内容 -->
7             <layout
8                 class="org.apache.skywalking.apm.toolkit.log.logback.v1.x.TraceIdPatternLog
9                 backLayout">
10                <pattern>%d{yyyy-MM-dd HH:mm:ss.SSS} [%tid] [%thread]
11                %-5level %logger{36} - %msg%n</pattern>
12            </layout>
13        </encoder>
14    </appender>
15
16    <!-- 2. Skywalking 日志上报 Appender (核心: 将日志上报到 OAP) -->
17    <appender name="SKYWALKING"
18        class="org.apache.skywalking.apm.toolkit.log.logback.v1.x.log.GRPCLogClient
19        Appender">
20        <!-- 日志格式: 必须包含 %tid, 否则无法关联链路 -->
21        <encoder class="ch.qos.logback.core.encoder.LayoutWrappingEncoder">
22            <layout
23                class="org.apache.skywalking.apm.toolkit.log.logback.v1.x.TraceIdPatternLog
24                backLayout">
25                <pattern>%d{yyyy-MM-dd HH:mm:ss.SSS} [%tid] [%thread]
26                %-5level %logger{36} - %msg%n</pattern>
27            </layout>
28        </encoder>
29    </appender>
30
31    <!-- 3. 根日志配置: 同时输出到控制台和 SkyWalking -->
32    <root level="INFO">
33        <appender-ref ref="CONSOLE"/>
34        <appender-ref ref="SKYWALKING"/>
35    </root>
36 </configuration>
```

## 3.本地控制台

```
1 2026-01-14 22:57:25.716
[TID:5edecb5b57c24eb7a55f4e5730f44316.92.17684026457140001] [http-nio-8084-
exec-5] INFO c.e.s.s.service.OrderService - 创建订单成功:orderEntity=
{"orderId":"1001-order","userId":"1001-user","productList": [
    {"productId": "1001-product", "productName": "1001-
    productName", "productDesc": "1001-
    productDesc", "productPrice": 34.90, "productCount": 2}, {"productId": "1002-
    product", "productName": "1002-productName", "productDesc": "1002-
    productDesc", "productPrice": 15.45, "productCount": 3}]}
2
3 TID:5edecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
```

## 4.skywalking-ui->日志

时间	内容类型	标记	内容	追踪ID
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.168 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.168 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.167 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.160 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.160 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.160 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.160 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:26	TEXT	level=INFO,logger=com.example.study.skywalki...	2026-01-14 22:57:26.092 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:25	TEXT	level=INFO,logger=org.springframework.web.se...	2026-01-14 22:57:25.954 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001
2026-01-14 22:57:25	TEXT	level=INFO,logger=org.springframework.web.se...	2026-01-14 22:57:25.952 [TID:5edecb5b57c24eb...	Sedecb5b57c24eb7a55f4e5730f44316.92.17684026457140001

2026-01-14 22:42 ~ 2026-01-14 22:57 中 服务器时区 UTC + 8

## 7.告警

### 1.yaml

```

1 rules同层级
2
3 webhooks:
4 # - http://127.0.0.1/notify/
5 # - http://127.0.0.1/go-wechat/
6 - http://127.0.0.1:8084/skywalking/alarm/receive
7

```

### 2.代码

```

1 pay-service
2 加睡眠2秒，然后不停地掉接口

```

### 3.配置工告警调用的接口

```

1
2
3 package com.example.study.skywalkingorderservice.controller;
4
5 import com.fasterxml.jackson.core.JsonProcessingException;
6 import com.fasterxml.jackson.databind.ObjectMapper;
7 import org.slf4j.Logger;
8 import org.slf4j.LoggerFactory;
9 import org.springframework.web.bind.annotation.PostMapping;
10 import org.springframework.web.bind.annotation.RequestBody;
11 import org.springframework.web.bind.annotation.RequestMapping;
12 import org.springframework.web.bind.annotation.RestController;
13
14 import java.util.List;

```

```

15 import java.util.Map;
16
17 @RestController
18 @RequestMapping("/skywalking/alarm")
19 public class SkywalkingAlarmReceiver {
20
21     private final static ObjectMapper objectMapper = new ObjectMapper();
22     private static final Logger logger =
23         LoggerFactory.getLogger(SkywalkingAlarmReceiver.class);
24
25     // 接收 Skywalking 告警推送
26     @PostMapping("/receive")
27     public String receiveAlarm(@RequestBody List<Map<String, Object>>
28         alarmList) throws JsonProcessingException {
29         // 打印告警信息（后续可扩展：推送钉钉、企业微信等）
30         logger.info("收到 Skywalking 告警，共 {} 条，详情：{}",
31             alarmList.size(), (objectMapper.writeValueAsString(alarmList)));
32
33         // 对接企业微信/钉钉：调用对应机器人接口，推送告警信息
34         // sendingTalkAlarm(alarmList);
35
36     return "success";
37 }
38
39 }

```

## 4. 观察skywalking-ui告警模块

The screenshot shows the Skywalking UI Alarms page. The top navigation bar includes tabs for Dashboard, Topology, Metrics, Performance Analysis, Log, Alert, Events, and Debug. The 'Alert' tab is selected. The main content area displays a list of alerts (alarms) with their details and timestamps. A red box highlights the first four alerts, which are related to response times for specific endpoints and service instances. The bottom status bar shows the date range (2026-01-14 23:34 ~ 2026-01-14 23:49), the server time zone (UTC +8), and the system date (2026/1/14).

## 5. 日志

```

private final static ObjectMapper objectMapper = new ObjectMapper();
private static final Logger logger = LoggerFactory.getLogger(SkyWalkingAlarmReceiver.class);

// 接收 SkyWalking 告警推送
@PostMapping(value="/receive")
public String receiveAlarm(@RequestBody List<Map<String, Object>> alarmList) throws JsonProcessingException {
    // 打印告警信息(后续可扩展：推送钉钉、企业微信等)
    logger.info("收到 SkyWalking 告警，共 {} 条，详情: {}", alarmList.size(), objectMapper.writeValueAsString(alarmList));
    // 对接企业微信/钉钉：调用对应机器人接口，推送告警信息
}

```

终端输出：

```

告警
pay-service is more than 1000ms in 2 minutes of last 10 minutes", "tags":[], "startTime":1768405757123}, {"scopeId":6, "scope": "ENDPOINT_RELATION", "name": "User in User to GET:/order/add in order-service", "id0": "VXNlcg==.0_VXNlcg==", "id1": "b3JkZXItc2VydmljZQ==.1_ROVU019cmRlc19hZGQ=", "ruleName": "endpoint_relation_resp_time_rule", "alarmMessage": "Response time of endpoint relation User in User to GET:/order/add in order-service is more than 1000ms in 2 minutes of last 10 minutes", "tags":[], "startTime":1768405757123}]

2026-01-14 23:50:17.152 [TID:b98d9341a41644de8cea6f567ac1d662.94.17684058171490003] [http-nio-8084-exec-10] INFO c.e.s.s.c.SkyWalkingAlarmReceiver - 收到 SkyWalking 告警，共 4 条，详情：[{"scopeId":1, "scope": "SERVICE", "name": "pay-service", "id0": "cGF5LXNlcnZpY2U=.1", "id1": "", "ruleName": "service_resp_time_rule", "alarmMessage": "Response time of service pay-service is more than 1000ms in 3 minutes of last 10 minutes.", "tags": [], "startTime":1768405817124}, {"scopeId":1, "scope": "SERVICE", "name": "order-service", "id0": "b3JkZXItc2VydmljZQ==.1", "id1": "", "ruleName": "service_resp_time_rule", "alarmMessage": "Response time of service order-service is more than 1000ms in 3 minutes of last 10 minutes.", "tags": [], "startTime":1768405817124}, {"scopeId":1, "scope": "SERVICE", "name": "pay-service", "id0": "cGF5LXNlcnZpY2U=.1", "id1": "", "ruleName": "service_resp_time_percentile_rule", "alarmMessage": "Percentile response time of service pay-service alarm in 3 minutes of last 10 minutes, due to more than one condition of p50 > 1000, p75 > 1000, p90 > 1000, p95 > 1000, p99 > 1000", "tags": [], "startTime":1768405817127}, {"scopeId":1, "scope": "SERVICE", "name": "order-service", "id0": "b3JkZXItc2VydmljZQ==.1", "id1": "", "ruleName": "service_resp_time_percentile_rule", "alarmMessage": "Percentile response time of service order-service alarm in 3 minutes of last 10 minutes, due to more than one condition of p50 > 1000, p75 > 1000, p90 > 1000, p95 > 1000, p99 > 1000", "tags": [], "startTime":1768405817127}]

```

```

1 2026-01-14 23:50:17.152
[TID:b98d9341a41644de8cea6f567ac1d662.94.17684058171490003] [http-nio-8084-exec-10] INFO c.e.s.s.c.SkyWalkingAlarmReceiver - 收到 SkyWalking 告警，共 4 条，详情：[{"scopeId":1, "scope": "SERVICE", "name": "pay-service", "id0": "cGF5LXNlcnZpY2U=.1", "id1": "", "ruleName": "service_resp_time_rule", "alarmMessage": "Response time of service pay-service is more than 1000ms in 3 minutes of last 10 minutes.", "tags": [], "startTime":1768405817124}, {"scopeId":1, "scope": "SERVICE", "name": "order-service", "id0": "b3JkZXItc2VydmljZQ==.1", "id1": "", "ruleName": "service_resp_time_rule", "alarmMessage": "Response time of service order-service is more than 1000ms in 3 minutes of last 10 minutes.", "tags": [], "startTime":1768405817124}, {"scopeId":1, "scope": "SERVICE", "name": "pay-service", "id0": "cGF5LXNlcnZpY2U=.1", "id1": "", "ruleName": "service_resp_time_percentile_rule", "alarmMessage": "Percentile response time of service pay-service alarm in 3 minutes of last 10 minutes, due to more than one condition of p50 > 1000, p75 > 1000, p90 > 1000, p95 > 1000, p99 > 1000", "tags": [], "startTime":1768405817127}, {"scopeId":1, "scope": "SERVICE", "name": "order-service", "id0": "b3JkZXItc2VydmljZQ==.1", "id1": "", "ruleName": "service_resp_time_percentile_rule", "alarmMessage": "Percentile response time of service order-service alarm in 3 minutes of last 10 minutes, due to more than one condition of p50 > 1000, p75 > 1000, p90 > 1000, p95 > 1000, p99 > 1000", "tags": [], "startTime":1768405817127}]

```