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项目地址

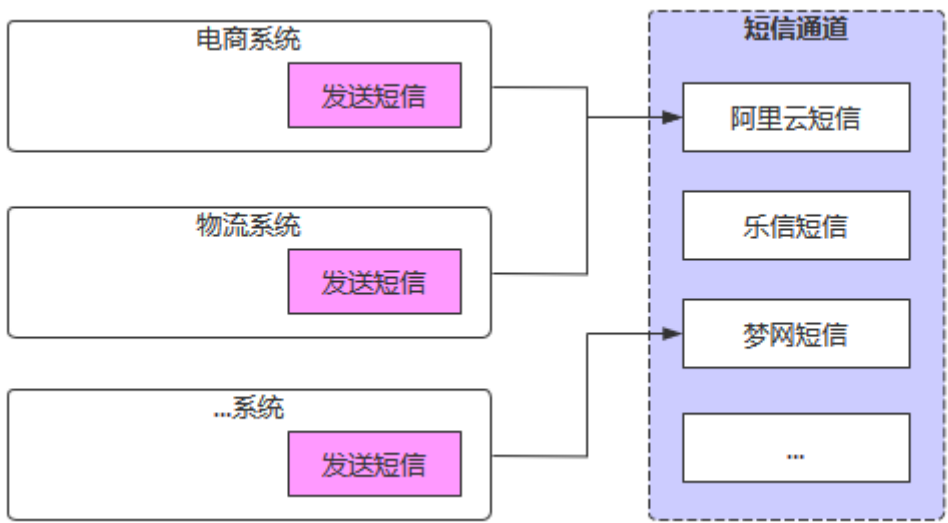
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项目概述

背景介绍

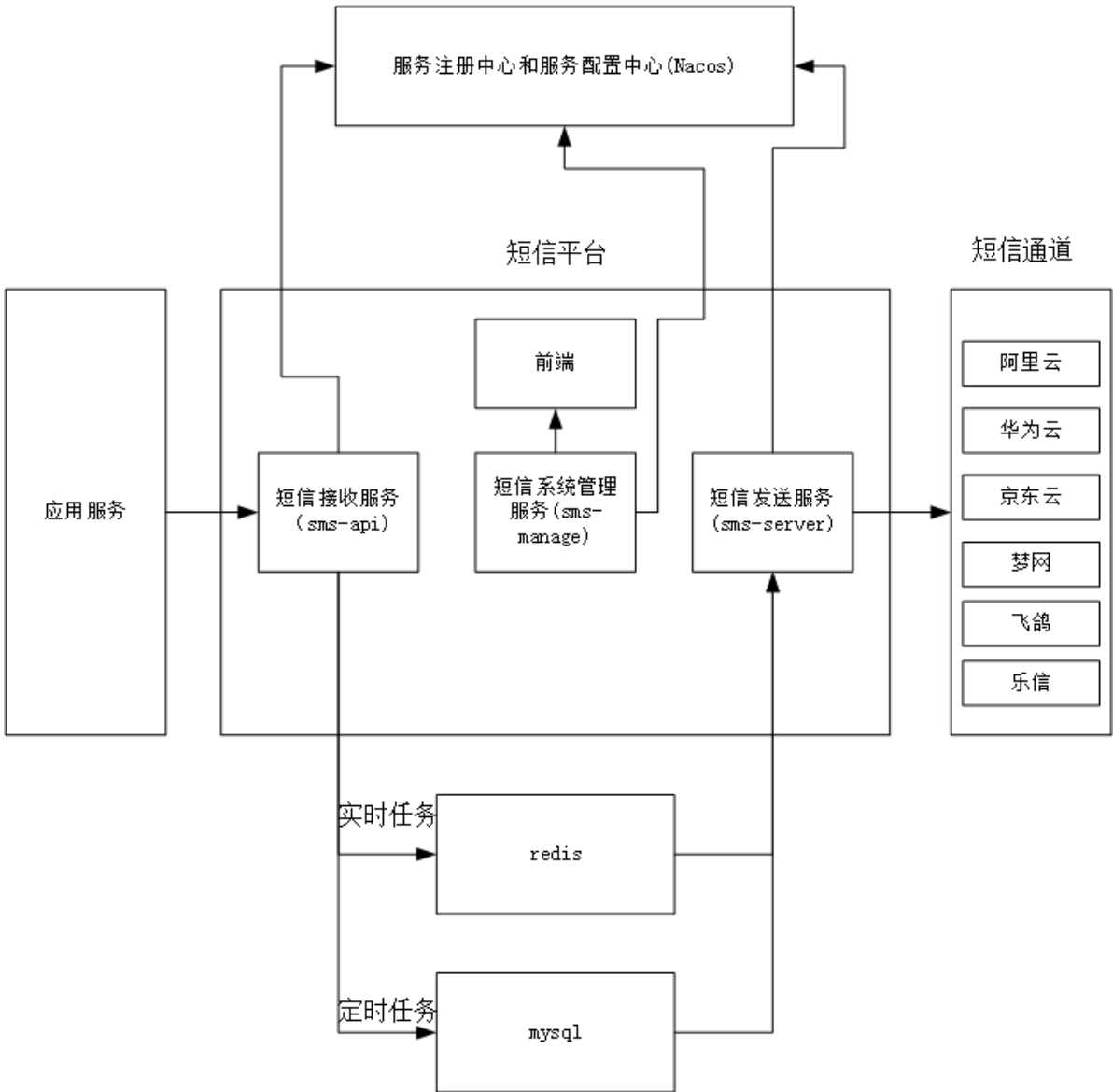
随着企业业务扩张、应用成倍地增加、短信规模化使用，传统短信平台的接入方式和单一的信息发送功能，已经不能完全满足现代企业管理的需求，所以统一入口、减少对接成本、同时兼顾多种短信业务、简单易行的操作与维护、高稳定、高可靠的移动信息化应用成为短信平台发展趋势。



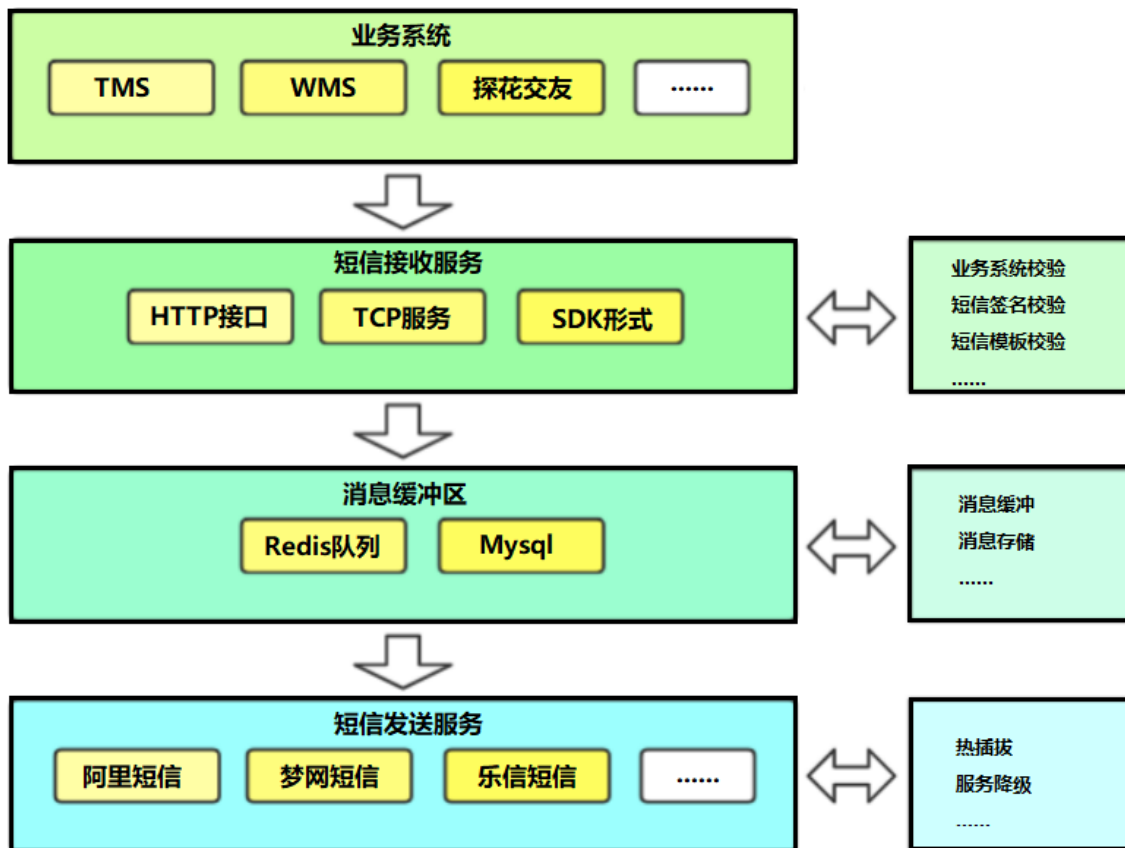
- 服务越来越多，每个服务都有可能发送短信，是否每个服务都需要对接一遍？
- 多应用对接短信，如何做到短信发送服务高效、稳定？
- 短信通道出现异常时，如何快速切换通道？
- 切换通道时，如何做到应用服务无感知？
- 如何统计各服务短信发送情况，以便进行后续营销分析？

本项目的核心在于保证短信高效、准确的送达、简单易操作的对接方式。通过对服务的解耦、通讯方式的升级来提升系统的吞吐量。同时，在多通道的加持下，通过智能动态的通道评级、选举、降级、热插拔，增强了系统的健壮性，摆脱对单一通道的依赖。并且提供多种对接方式，满足企业内部的各种需求。

整体架构



业务架构



项目模块介绍

项目整体工程结构和模块功能如下：

1	sms-backend	# 聚合工程，用于聚合parent、apps、tools等模块
2	├─ parent	# 父工程，nacos配置及依赖包管理
3	├─ apps	# 应用目录
4	│ ├─ auth	# 权限服务父工程
5	│ │ ├─ auth-entity	# 权限实体
6	│ │ ├─ auth-server	# 权限服务
7	│ ├─ gateway	# 网关服务
8	│ ├─ sms	# 短信平台父工程
9	│ │ ├─ sms-entity	# 短信平台实体
10	│ │ ├─ sms-dao	# 短信平台的数据持久化模块，主要包括mybatis plus
	│ └─ sms-mapper文件和mapper接口	
11	│ │ ├─ sms-manage	# 系统管理服务
12	│ │ ├─ sms-api	# 短信接收服务，应用系统调用接口、发送短信
13	│ │ ├─ sms-server	# 短信发送服务，调用短信通道、发送短信
14	│ │ └─ sms-sdk	# 短信SDK，应用系统引入、发送短信
15	└─ tools	# 工具工程
16	│ ├─ tools-common	# 基础组件：基础配置类、函数、常量、统一异常处理、
	└─ undertow服务器	
17	│ ├─ tools-core	# 核心组件：基础实体、返回对象、上下文、异常处理、
	└─ 分布式锁、函数、树	
18	│ └─ tools-databases	# 数据源组件：数据源配置、数据权限、查询条件等

19	— tools-dozer	# 对象转换: dozer配置、工具
20	— tools-redis-cache	# redis分布式缓存工具类和分布式锁服务, 缓存工具类解决著名的3个缓存问题
21	— tools-j2cache	# 缓存组件: j2cache、redis缓存
22	— tools-jwt	# JWT组件: 配置、属性、工具
23	— tools-log	# 日志组件: 日志实体、事件、拦截器、工具
24	— tools-swagger2	# 文档组件: knife4j文档
25	— tools-user	# 用户上下文: 用户注解、模型和工具, 当前登录用户信息注入模块
26	— tools-validator	# 表单验证: 后台表单规则验证
27	— tools-xss	# xss防注入组件

集信达短信服务有三个：后台管理服务，短信接收服务，短信发送服务：

应用	端口	说明
sms-manage	8770	后台管理服务
sms-api	8771	短信接收服务
sms-server	8772	短信发送服务

项目环境准备

数据库

```
1 SET NAMES utf8mb4;
2 SET FOREIGN_KEY_CHECKS = 0;
3
4 -----
5 -- Table structure for black_list
6 -----
7 DROP TABLE IF EXISTS `black_list`;
8 CREATE TABLE `black_list`
9 (
10     `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
11     NOT NULL COMMENT '主键',
12     `type`        varchar(10) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
13     NOT NULL COMMENT '类型: 1: 短信、2: 邮件、3: 微信',
14     `content`     varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
15     NOT NULL COMMENT '内容: 手机号',
16     PRIMARY KEY (`id`)
17 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_bin;
```

```

13     `remark`      varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '备注',
14     `create_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
15     `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '创建人',
16     `update_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0) COMMENT
'修改时间',
17     `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '修改人',
18     `is_delete`   tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
19     PRIMARY KEY (`id`) USING BTREE,
20     UNIQUE INDEX `black_list_content_type` (`type`, `content`) USING BTREE
21 ) ENGINE = InnoDB
22   CHARACTER SET = utf8mb4
23   COLLATE = utf8mb4_bin COMMENT = '黑名单'
24   ROW_FORMAT = Dynamic;
25
26  -- -----
27  -- Table structure for config
28  -- -----
29  DROP TABLE IF EXISTS `config`;
30  CREATE TABLE `config`
31  (
32     `id`            varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
33     `name`          varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '名称',
34     `platform`      varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '平台',
35     `domain`        varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '域名',
36     `access_key_id` varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL,
37     `access_key_secret` varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL,
38     `other`         json
NULL COMMENT '其他配置 json格式',
39     `is_active`     tinyint(0)
NOT NULL COMMENT '是否可用: 0不可用',
40     `is_enable`     tinyint(0)
NOT NULL COMMENT '是否正常: 0不正常',
41     `remark`        varchar(500) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '备注',
42     `level`         tinyint(0)
NULL      DEFAULT NULL COMMENT '级别',
43     `channel_type`  tinyint(0)
NOT NULL COMMENT '通道类型, 1: 文字, 2: 语音, 3: 推送',
44     `create_time`   datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
45     `create_user`   varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
46     `update_time`   datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',

```

```

47     `update_user`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '修改人',
48     `is_delete`           tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
49     PRIMARY KEY (`id`) USING BTREE,
50     UNIQUE INDEX `config_name` (`name`) USING BTREE
51 ) ENGINE = InnoDB
52 CHARACTER SET = utf8mb4
53 COLLATE = utf8mb4_bin COMMENT = '配置表'
54 ROW_FORMAT = Dynamic;
55
56 -- -----
57 -- Table structure for config_signature
58 -- -----
59 DROP TABLE IF EXISTS `config_signature`;
60 CREATE TABLE `config_signature`
61 (
62     `id`                    varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
63     `config_id`            varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '配置主键',
64     `signature_id`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '签名主键',
65     `config_signature_code` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '通道签名（如果为空在不需要签名id）',
66     `remark`              varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '备注',
67     `create_time`         datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
68     `create_user`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
69     `update_time`         datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',
70     `update_user`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '修改人',
71     `is_delete`           tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
72     PRIMARY KEY (`id`) USING BTREE
73 ) ENGINE = InnoDB
74 CHARACTER SET = utf8mb4
75 COLLATE = utf8mb4_bin COMMENT = '配置-签名表'
76 ROW_FORMAT = Dynamic;
77
78 -- -----
79 -- Table structure for config_template
80 -- -----
81 DROP TABLE IF EXISTS `config_template`;
82 CREATE TABLE `config_template`
83 (
84     `id`                    varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
85     `config_id`            varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '配置主键',
86     `template_id`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '模板主键',
87     `config_template_code` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '通道模板（如果为空在不需要模板id）',

```



```

87     `remark`          varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '备注',
88     `create_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
89     `create_user`     varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
90     `update_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',
91     `update_user`     varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '修改人',
92     `is_delete`       tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
93     PRIMARY KEY (`id`) USING BTREE
94 ) ENGINE = InnoDB
95 CHARACTER SET = utf8mb4
96 COLLATE = utf8mb4_bin COMMENT = '配置-模板表'
97 ROW_FORMAT = Dynamic;
98
99 -- -----
100 -- Table structure for manual_process
101 -- -----
102 DROP TABLE IF EXISTS `manual_process`;
103 CREATE TABLE `manual_process`
104 (
105     `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '主键',
106     `template`    varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '模板',
107     `signature`   varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '签名',
108     `mobile`      varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '手机号',
109     `request`     varchar(5000) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '请求参数',
110     `config_ids`  varchar(500) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '通道id集合',
111     `status`      tinyint(0)
NOT NULL DEFAULT 0 COMMENT '状态 0新建, 1处理中, 2处理成功, 3处理失败',
112     `remark`      varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '备注',
113     `create_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
114     `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '创建人',
115     `update_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0) COMMENT
'修改时间',
116     `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '修改人',
117     `is_delete`   tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
118     PRIMARY KEY (`id`) USING BTREE
119 ) ENGINE = InnoDB
120 CHARACTER SET = utf8mb4
121 COLLATE = utf8mb4_bin COMMENT = '人工处理任务表'
122 ROW_FORMAT = Dynamic;
123

```

```

124  -- -----
125  -- Table structure for platform
126  -- -----
127  DROP TABLE IF EXISTS `platform`;
128  CREATE TABLE `platform`
129  (
130      `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
131      `name`        varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '平台名称',
132      `access_key_id` varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL,
133      `access_key_secret` varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL,
134      `ip_addr`     varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT 'ip绑定,多个用英文逗号分隔',
135      `need_auth`   tinyint(0)
NOT NULL DEFAULT 0 COMMENT '是否鉴权: 0不鉴权',
136      `is_active`   tinyint(0)
NOT NULL DEFAULT 1 COMMENT '是否可用: 0不可用',
137      `remark`      varchar(500) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '备注',
138      `level`       tinyint(0)
NULL DEFAULT NULL COMMENT '平台等级(预留)',
139      `create_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
140      `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
141      `update_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',
142      `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '修改人',
143      `is_delete`   tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
144      PRIMARY KEY (`id`) USING BTREE,
145      UNIQUE INDEX `platform_name` (`name`) USING BTREE
146  ) ENGINE = InnoDB
147  CHARACTER SET = utf8mb4
148  COLLATE = utf8mb4_bin COMMENT = '接入平台表'
149  ROW_FORMAT = Dynamic;
150
151  -- -----
152  -- Table structure for signature
153  -- -----
154  DROP TABLE IF EXISTS `signature`;
155  CREATE TABLE `signature`
156  (
157      `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '主键',
158      `name`        varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '签名名称',
159      `code`        varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '签名编码',
160      `content`     varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '签名内容',
161      `remark`      varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL DEFAULT NULL COMMENT '备注',

```

```

162     `create_time` datetime(0)
      NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
163     `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NOT NULL COMMENT '创建人',
164     `update_time` datetime(0)
      NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0) COMMENT
      '修改时间',
165     `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NULL DEFAULT NULL COMMENT '修改人',
166     `is_delete` tinyint(0)
      NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
167     PRIMARY KEY (`id`) USING BTREE,
168     UNIQUE INDEX `signature_code` (`code`) USING BTREE,
169     UNIQUE INDEX `signature_name` (`name`) USING BTREE
170 ) ENGINE = InnoDB
171   CHARACTER SET = utf8mb4
172   COLLATE = utf8mb4_bin COMMENT = '签名表'
173   ROW_FORMAT = Dynamic;
174
175  -- -----
176  -- Table structure for template
177  -- -----
178  DROP TABLE IF EXISTS `template`;
179  CREATE TABLE `template`
180  (
181     `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NOT NULL COMMENT '主键',
182     `name`        varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NOT NULL COMMENT '模板名称',
183     `code`        varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NOT NULL COMMENT '模板编码',
184     `content`     varchar(500) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NOT NULL COMMENT '模板内容',
185     `type`        tinyint(0)
      NULL DEFAULT NULL COMMENT '模板类型 1: 验证码, 2: 营销类',
186     `remark`      varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NULL DEFAULT NULL COMMENT '备注',
187     `create_time` datetime(0)
      NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
188     `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NOT NULL COMMENT '创建人',
189     `update_time` datetime(0)
      NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0) COMMENT
      '修改时间',
190     `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
      NULL DEFAULT NULL COMMENT '修改人',
191     `is_delete`   tinyint(0)
      NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
192     PRIMARY KEY (`id`) USING BTREE,
193     UNIQUE INDEX `template_code` (`code`) USING BTREE,
194     UNIQUE INDEX `template_name` (`name`) USING BTREE
195 ) ENGINE = InnoDB
196   CHARACTER SET = utf8mb4
197   COLLATE = utf8mb4_bin COMMENT = '模板表'
198   ROW_FORMAT = Dynamic;
199
200  -- -----
201  -- Table structure for timing_push

```

```

202  -----
203  DROP TABLE IF EXISTS `timing_push`;
204  CREATE TABLE `timing_push`
205  (
206      `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '主键',
207      `template`    varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '模板',
208      `signature`   varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '签名',
209      `mobile`      varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '手机号',
210      `request`     varchar(5000) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '参数json',
211      `timing`      varchar(40) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '发送时间',
212      `status`      tinyint(0)
NOT NULL DEFAULT 0 COMMENT '状态 0: 未处理 1: 已处理',
213      `remark`      varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '备注',
214      `create_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
215      `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '创建人',
216      `update_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0) COMMENT
'修改时间',
217      `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '修改人',
218      `is_delete`   tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
219      PRIMARY KEY (`id`) USING BTREE,
220      INDEX `timing_push_status` (`status`) USING BTREE
221  ) ENGINE = InnoDB
222      CHARACTER SET = utf8mb4
223      COLLATE = utf8mb4_bin COMMENT = '定时发送'
224      ROW_FORMAT = Dynamic;
225
226
227  -----
228  -- Table structure for receive_log
229  -----
230  DROP TABLE IF EXISTS `receive_log`;
231  CREATE TABLE `receive_log`
232  (
233      `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '主键',
234      `platform_id` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '请求平台id',
235      `platform_name` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '请求平台名称',
236      `business`    varchar(100) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '请求平台业务信息',
237      `config_ids`  varchar(500) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '配置主键集合',
238      `template`    varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '模板',

```

```

239     `signature`      varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '签名',
240     `mobile`        varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '手机号',
241     `request`       varchar(5000) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '请求参数',
242     `error`         varchar(5000) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '错误信息',
243     `use_time`       bigint(0)
NOT NULL COMMENT '耗时',
244     `status`        tinyint(0)
NOT NULL COMMENT '状态: 0失败, 1成功',
245     `api_log_id`     varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '日志id',
246     `remark`        varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '备注',
247     `create_time`    datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
248     `create_user`    varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '创建人',
249     `update_time`    datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0) COMMENT
'修改时间',
250     `update_user`    varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '修改人',
251     `is_delete`      tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
252     PRIMARY KEY (`id`) USING BTREE,
253     INDEX `receive_log_api_log_id` (`api_log_id`) USING BTREE,
254     INDEX `receive_log_template` (`template`) USING BTREE,
255     INDEX `receive_log_signature` (`signature`) USING BTREE,
256     INDEX `receive_log_business` (`business`) USING BTREE
257 ) ENGINE = InnoDB
258   CHARACTER SET = utf8mb4
259   COLLATE = utf8mb4_bin COMMENT = '接收日志表'
260   ROW_FORMAT = Dynamic;
261
262  -- -----
263  -- Table structure for send_log
264  -- -----
265  DROP TABLE IF EXISTS `send_log`;
266  CREATE TABLE `send_log`
267  (
268      `id`              varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '主键',
269      `config_id`       varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '配置主键',
270      `config_platform` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '配置平台',
271      `config_name`     varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '配置名称',
272      `template`        varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '模板',
273      `signature`       varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '签名',
274      `mobile`          varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NOT NULL COMMENT '手机号',

```

```

275     `request`          varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '请求参数',
276     `response`        varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '返回参数',
277     `error`           varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '错误信息',
278     `use_time`        bigint(0)
NOT NULL COMMENT '耗时',
279     `status`          tinyint(0)
NOT NULL COMMENT '状态: 0失败, 1成功',
280     `api_log_id`       varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT 'api日志主键',
281     `remark`          varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '备注',
282     `create_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
283     `create_user`     varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '创建人',
284     `update_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0) COMMENT
'修改时间',
285     `update_user`     varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_bin
NULL      DEFAULT NULL COMMENT '修改人',
286     `is_delete`       tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
287     PRIMARY KEY (`id`) USING BTREE,
288     INDEX `send_log_api_log_id` (`api_log_id`) USING BTREE,
289     INDEX `send_log_signature` (`signature`) USING BTREE,
290     INDEX `send_log_template` (`template`) USING BTREE
291 ) ENGINE = InnoDB
292 CHARACTER SET = utf8mb4
293 COLLATE = utf8mb4_bin COMMENT = '日志表'
294 ROW_FORMAT = Dynamic;
295
296 SET FOREIGN_KEY_CHECKS = 1;

```

导入示例:

```

1 PS C:\Users\mao\Desktop> mysql -u root -p
2 Enter password: *****
3 Welcome to the MySQL monitor.  Commands end with ; or \g.
4 Your MySQL connection id is 8
5 Server version: 8.0.27 MySQL Community Server - GPL
6
7 Copyright (c) 2000, 2021, Oracle and/or its affiliates.
8
9 Oracle is a registered trademark of Oracle Corporation and/or its
10 affiliates. Other names may be trademarks of their respective
11 owners.
12
13 Type 'help;' or '\h' for help. Type '\c' to clear the current input
statement.
14
15 mysql> show databases;

```

```

16 +-----+
17 | Database |
18 +-----+
19 | authority |
20 | cloud_order |
21 | cloud_user |
22 | hotel |
23 | information_schema |
24 | mysql |
25 | nacos |
26 | performance_schema |
27 | sakila |
28 | seata |
29 | seata_demo |
30 | shop |
31 | spring_cloud_security |
32 | student |
33 | student1 |
34 | student_test |
35 | sys |
36 | test |
37 | tx |
38 | world |
39 +-----+
40 20 rows in set (0.03 sec)
41
42 mysql> create database sms;
43 Query OK, 1 row affected (0.01 sec)
44
45 mysql> show databases;
46 +-----+
47 | Database |
48 +-----+
49 | authority |
50 | cloud_order |
51 | cloud_user |
52 | hotel |
53 | information_schema |
54 | mysql |
55 | nacos |
56 | performance_schema |
57 | sakila |
58 | seata |
59 | seata_demo |
60 | shop |
61 | sms |
62 | spring_cloud_security |
63 | student |
64 | student1 |
65 | student_test |
66 | sys |
67 | test |
68 | tx |
69 | world |
70 +-----+
71 21 rows in set (0.00 sec)
72
73 mysql> use sms;

```

```

74 Database changed
75 mysql> SET NAMES utf8mb4;
76 Query OK, 0 rows affected (0.00 sec)
77
78 mysql> SET FOREIGN_KEY_CHECKS = 0;
79 Query OK, 0 rows affected (0.00 sec)
80
81 mysql>
82 mysql> -- -----
83 mysql> -- Table structure for black_list
84 mysql> -- -----
85 mysql> DROP TABLE IF EXISTS `black_list`;
86 Query OK, 0 rows affected, 1 warning (0.01 sec)
87
88 mysql> CREATE TABLE `black_list`
89     -> (
90     ->     `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
91     ->     `type`        varchar(10) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '类型: 1: 短信、2: 邮件、3: 微信',
92     ->     `content`    varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '内容: 手机号',
93     ->     `remark`    varchar(200) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '备注',
94     ->     `create_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
95     ->     `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
96     ->     `update_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改 时间',
97     ->     `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '修改人',
98     ->     `is_delete`  tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
99     ->     PRIMARY KEY (`id`) USING BTREE,
100    ->     UNIQUE INDEX `black_list_content_type` (`type`, `content`) USING
BTREE
101    -> ) ENGINE = InnoDB
102    ->     CHARACTER SET = utf8mb4
103    ->     COLLATE = utf8mb4_bin COMMENT = '黑名单'
104    ->     ROW_FORMAT = Dynamic;
105 Query OK, 0 rows affected, 11 warnings (0.04 sec)
106
107 mysql>
108 mysql> -- -----
109 mysql> -- Table structure for config
110 mysql> -- -----
111 mysql> DROP TABLE IF EXISTS `config`;
112 Query OK, 0 rows affected, 1 warning (0.00 sec)
113
114 mysql> CREATE TABLE `config`
115     -> (
116     ->     `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
117     ->     `name`        varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '名称',

```



```

118     ->     `platform`          varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '平台',
119     ->     `domain`          varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '域名',
120     ->     `access_key_id`     varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL,
121     ->     `access_key_secret` varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL,
122     ->     `other`            json
NULL COMMENT '其他配置 json格式',
123     ->     `is_active`        tinyint(0)
NOT NULL COMMENT '是否可用: 0不可用',
124     ->     `is_enable`        tinyint(0)
NOT NULL COMMENT '是否正常: 0不正常',
125     ->     `remark`          varchar(500) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '备注',
126     ->     `level`           tinyint(0)
NULL      DEFAULT NULL COMMENT '级别',
127     ->     `channel_type`     tinyint(0)
NOT NULL COMMENT '通道类型, 1: 文字, 2: 语音, 3: 推送',
128     ->     `create_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
129     ->     `create_user`      varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
130     ->     `update_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP(0) COMMENT '修改时间',
131     ->     `update_user`      varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL      DEFAULT NULL COMMENT '修改人',
132     ->     `is_delete`       tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
133     ->     PRIMARY KEY (`id`) USING BTREE,
134     ->     UNIQUE INDEX `config_name` (`name`) USING BTREE
135     -> ) ENGINE = InnoDB
136     -> CHARACTER SET = utf8mb4
137     -> COLLATE = utf8mb4_bin COMMENT = '配置表'
138     -> ROW_FORMAT = Dynamic;
139 Query OK, 0 rows affected, 20 warnings (0.03 sec)
140
141 mysql>
142 mysql> -- -----
143 mysql> -- Table structure for config_signature
144 mysql> -- -----
145 mysql> DROP TABLE IF EXISTS `config_signature`;
146 Query OK, 0 rows affected, 1 warning (0.00 sec)
147
148 mysql> CREATE TABLE `config_signature`
149     -> (
150     ->     `id`                varchar(64) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NOT NULL COMMENT '主键',
151     ->     `config_id`         varchar(64) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NOT NULL COMMENT '配置主键',
152     ->     `signature_id`     varchar(64) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NOT NULL COMMENT '签名主键',
153     ->     `config_signature_code` varchar(64) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NULL      DEFAULT NULL COMMENT '通道签名（如果为空在不需要
签名id）',

```

```

154     ->     `remark`                varchar(255) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NULL        DEFAULT NULL COMMENT '备注',
155     ->     `create_time`            datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
156     ->     `create_user`            varchar(64) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NOT NULL COMMENT '创建人',
157     ->     `update_time`            datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP(0) COMMENT '修改时间',
158     ->     `update_user`            varchar(64) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NULL        DEFAULT NULL COMMENT '修改人',
159     ->     `is_delete`              tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
160     ->     PRIMARY KEY (`id`) USING BTREE
161     -> ) ENGINE = InnoDB
162     ->     CHARACTER SET = utf8mb4
163     ->     COLLATE = utf8mb4_bin COMMENT = '配置-签名表'
164     ->     ROW_FORMAT = Dynamic;
165 Query OK, 0 rows affected, 12 warnings (0.01 sec)
166
167 mysql> -- -----
168 mysql> -- Table structure for config_template
169 mysql> -- -----
170 mysql> DROP TABLE IF EXISTS `config_template`;
171 Query OK, 0 rows affected, 1 warning (0.00 sec)
172
173 mysql> CREATE TABLE `config_template`
174     -> (
175     ->     `id`                varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
176     ->     `config_id`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '配置主键',
177     ->     `template_id`      varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '模板主键',
178     ->     `config_template_code` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL        DEFAULT NULL COMMENT '通道模板（如果为空在不需要模板id）',
179     ->     `remark`          varchar(255) CHARACTER SET utf8mb4
COLLATE utf8mb4_bin NULL        DEFAULT NULL COMMENT '备注',
180     ->     `create_time`      datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
181     ->     `create_user`      varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
182     ->     `update_time`      datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP(0) COMMENT '修改时间',
183     ->     `update_user`      varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL        DEFAULT NULL COMMENT '修改人',
184     ->     `is_delete`        tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
185     ->     PRIMARY KEY (`id`) USING BTREE
186     -> ) ENGINE = InnoDB
187     ->     CHARACTER SET = utf8mb4
188     ->     COLLATE = utf8mb4_bin COMMENT = '配置-模板表'
189     ->     ROW_FORMAT = Dynamic;
190 Query OK, 0 rows affected, 12 warnings (0.02 sec)
191
192 mysql>
193 mysql> -- -----

```

```

194 mysql> -- Table structure for manual_process
195 mysql> -- -----
196 mysql> DROP TABLE IF EXISTS `manual_process`;
197 Query OK, 0 rows affected, 1 warning (0.00 sec)
198
199 mysql> CREATE TABLE `manual_process`
200     -> (
201     ->     `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
202     ->     `template`   varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '模板',
203     ->     `signature`  varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '签名',
204     ->     `mobile`     varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '手机号',
205     ->     `request`    varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '请求参数',
206     ->     `config_ids` varchar(500) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '通道id集合',
207     ->     `status`     tinyint(0)
NOT NULL DEFAULT 0 COMMENT '状态 0新建, 1处理中, 2处理成功, 3处理失败',
208     ->     `remark`    varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '备注',
209     ->     `create_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
210     ->     `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '创建人',
211     ->     `update_time` datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',
212     ->     `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '修改人',
213     ->     `is_delete`  tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
214     ->     PRIMARY KEY (`id`) USING BTREE
215     -> ) ENGINE = InnoDB
216     -> CHARACTER SET = utf8mb4
217     -> COLLATE = utf8mb4_bin COMMENT = '人工处理任务表'
218     -> ROW_FORMAT = Dynamic;
219 Query OK, 0 rows affected, 16 warnings (0.01 sec)
220
221 mysql>
222 mysql> -- -----
223 mysql> -- Table structure for platform
224 mysql> -- -----
225 mysql> DROP TABLE IF EXISTS `platform`;
226 Query OK, 0 rows affected, 1 warning (0.00 sec)
227
228 mysql> CREATE TABLE `platform`
229     -> (
230     ->     `id`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
231     ->     `name`        varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '平台名称',
232     ->     `access_key_id` varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL,
233     ->     `access_key_secret` varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL,

```

```

234     ->     `ip_addr`                varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT 'ip绑定, 多个用英文逗号分隔',
235     ->     `need_auth`              tinyint(0)
NOT NULL DEFAULT 0 COMMENT '是否鉴权: 0不鉴权',
236     ->     `is_active`              tinyint(0)
NOT NULL DEFAULT 1 COMMENT '是否可用: 0不可用',
237     ->     `remark`                 varchar(500) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '备注',
238     ->     `level`                  tinyint(0)
NULL          DEFAULT NULL COMMENT '平台等级 (预留)',
239     ->     `create_time`            datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
240     ->     `create_user`            varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
241     ->     `update_time`            datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
CURRENT_TIMESTAMP(0) COMMENT '修改时间',
242     ->     `update_user`            varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '修改人',
243     ->     `is_delete`              tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
244     ->     PRIMARY KEY (`id`) USING BTREE,
245     ->     UNIQUE INDEX `platform_name` (`name`) USING BTREE
246     -> ) ENGINE = InnoDB
247     -> CHARACTER SET = utf8mb4
248     -> COLLATE = utf8mb4_bin COMMENT = '接入平台表'
249     -> ROW_FORMAT = Dynamic;
250 Query OK, 0 rows affected, 17 warnings (0.02 sec)
251
252 mysql>
253 mysql> -- -----
254 mysql> -- Table structure for signature
255 mysql> -- -----
256 mysql> DROP TABLE IF EXISTS `signature`;
257 Query OK, 0 rows affected, 1 warning (0.00 sec)
258
259 mysql> CREATE TABLE `signature`
260     -> (
261     ->     `id`                        varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
262     ->     `name`                     varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '签名名称',
263     ->     `code`                    varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '签名编码',
264     ->     `content`                 varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '签名内容',
265     ->     `remark`                  varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '备注',
266     ->     `create_time`             datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
267     ->     `create_user`             varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '创建人',
268     ->     `update_time`             datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改 时间',
269     ->     `update_user`             varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL          DEFAULT NULL COMMENT '修改人',

```

```

270     -> `is_delete` tinyint(0)
      NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
271     -> PRIMARY KEY (`id`) USING BTREE,
272     -> UNIQUE INDEX `signature_code` (`code`) USING BTREE,
273     -> UNIQUE INDEX `signature_name` (`name`) USING BTREE
274     -> ) ENGINE = InnoDB
275     -> CHARACTER SET = utf8mb4
276     -> COLLATE = utf8mb4_bin COMMENT = '签名表'
277     -> ROW_FORMAT = Dynamic;
278 Query OK, 0 rows affected, 12 warnings (0.03 sec)
279
280 mysql>
281 mysql> -- -----
282 mysql> -- Table structure for template
283 mysql> -- -----
284 mysql> DROP TABLE IF EXISTS `template`;
285 Query OK, 0 rows affected, 1 warning (0.00 sec)
286
287 mysql> CREATE TABLE `template`
288     -> (
289     -> `id` varchar(64) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_bin NOT NULL COMMENT '主键',
290     -> `name` varchar(64) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_bin NOT NULL COMMENT '模板名称',
291     -> `code` varchar(64) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_bin NOT NULL COMMENT '模板编码',
292     -> `content` varchar(500) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_bin NOT NULL COMMENT '模板内容',
293     -> `type` tinyint(0)
      NULL DEFAULT NULL COMMENT '模板类型 1: 验证码, 2: 营销类',
294     -> `remark` varchar(255) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_bin NULL DEFAULT NULL COMMENT '备注',
295     -> `create_time` datetime(0)
      NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
296     -> `create_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_bin NOT NULL COMMENT '创建人',
297     -> `update_time` datetime(0)
      NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
      COMMENT '修改 时间',
298     -> `update_user` varchar(64) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_bin NULL DEFAULT NULL COMMENT '修改人',
299     -> `is_delete` tinyint(0)
      NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
300     -> PRIMARY KEY (`id`) USING BTREE,
301     -> UNIQUE INDEX `template_code` (`code`) USING BTREE,
302     -> UNIQUE INDEX `template_name` (`name`) USING BTREE
303     -> ) ENGINE = InnoDB
304     -> CHARACTER SET = utf8mb4
305     -> COLLATE = utf8mb4_bin COMMENT = '模板表'
306     -> ROW_FORMAT = Dynamic;
307 Query OK, 0 rows affected, 14 warnings (0.03 sec)
308
309 mysql>
310 mysql> -- -----
311 mysql> -- Table structure for timing_push
312 mysql> -- -----
313 mysql> DROP TABLE IF EXISTS `timing_push`;
314 Query OK, 0 rows affected, 1 warning (0.00 sec)

```

```

315
316 mysql> CREATE TABLE `timing_push`
317     -> (
318     ->         `id`                varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
319     ->         `template`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '模板',
320     ->         `signature`        varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '签名',
321     ->         `mobile`          varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '手机号',
322     ->         `request`         varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '参数json',
323     ->         `timing`          varchar(40) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '发送时间',
324     ->         `status`         tinyint(0)
NOT NULL DEFAULT 0 COMMENT '状态 0: 未处理 1: 已处理',
325     ->         `remark`         varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '备注',
326     ->         `create_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
327     ->         `create_user`     varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '创建人',
328     ->         `update_time`     datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',
329     ->         `update_user`     varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '修改人',
330     ->         `is_delete`       tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
331     ->         PRIMARY KEY (`id`) USING BTREE,
332     ->         INDEX `timing_push_status` (`status`) USING BTREE
333     -> ) ENGINE = InnoDB
334     -> CHARACTER SET = utf8mb4
335     -> COLLATE = utf8mb4_bin COMMENT = '定时发送'
336     -> ROW_FORMAT = Dynamic;
337 Query OK, 0 rows affected, 16 warnings (0.03 sec)
338
339 mysql>
340 mysql>
341 mysql> -- -----
342 mysql> -- Table structure for receive_log
343 mysql> -- -----
344 mysql> DROP TABLE IF EXISTS `receive_log`;
345 Query OK, 0 rows affected, 1 warning (0.00 sec)
346
347 mysql> CREATE TABLE `receive_log`
348     -> (
349     ->         `id`                varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
350     ->         `platform_id`       varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '请求平台id',
351     ->         `platform_name`     varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '请求平台名称',
352     ->         `business`         varchar(100) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '请求平台业务信息',
353     ->         `config_ids`       varchar(500) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '配置主键集合',

```

```

354     -> `template`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '模板',
355     -> `signature`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '签名',
356     -> `mobile`            varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '手机号',
357     -> `request`           varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '请求参数',
358     -> `error`             varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '错误信息',
359     -> `use_time`          bigint(0)
NOT NULL COMMENT '耗时',
360     -> `status`            tinyint(0)
NOT NULL COMMENT '状态: 0失败, 1成功',
361     -> `api_log_id`        varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '日志id',
362     -> `remark`           varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '备注',
363     -> `create_time`       datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
364     -> `create_user`       varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '创建人',
365     -> `update_time`       datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',
366     -> `update_user`      varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '修改人',
367     -> `is_delete`        tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
368     -> PRIMARY KEY (`id`) USING BTREE,
369     -> INDEX `receive_log_api_log_id` (`api_log_id`) USING BTREE,
370     -> INDEX `receive_log_template` (`template`) USING BTREE,
371     -> INDEX `receive_log_signature` (`signature`) USING BTREE,
372     -> INDEX `receive_log_business` (`business`) USING BTREE
373     -> ) ENGINE = InnoDB
374     -> CHARACTER SET = utf8mb4
375     -> COLLATE = utf8mb4_bin COMMENT = '接收日志表'
376     -> ROW_FORMAT = Dynamic;
377 Query OK, 0 rows affected, 23 warnings (0.03 sec)
378
379 mysql>
380 mysql>
381 mysql> -- Table structure for send_log
382 mysql> -- -----
383 mysql> DROP TABLE IF EXISTS `send_log`;
384 Query OK, 0 rows affected, 1 warning (0.00 sec)
385
386 mysql> CREATE TABLE `send_log`
387     -> (
388     -> `id`                varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '主键',
389     -> `config_id`         varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '配置主键',
390     -> `config_platform`  varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '配置平台',
391     -> `config_name`      varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '配置名称',

```



```

392     ->     `template`          varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '模板',
393     ->     `signature`        varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '签名',
394     ->     `mobile`           varchar(20) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '手机号',
395     ->     `request`           varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NOT NULL COMMENT '请求参数',
396     ->     `response`          varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '返回参数',
397     ->     `error`             varchar(5000) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '错误信息',
398     ->     `use_time`           bigint(0)
NOT NULL COMMENT '耗时',
399     ->     `status`            tinyint(0)
NOT NULL COMMENT '状态: 0失败, 1成功',
400     ->     `api_log_id`        varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT 'api日志主键',
401     ->     `remark`            varchar(255) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '备注',
402     ->     `create_time`        datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '创建时间',
403     ->     `create_user`        varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '创建人',
404     ->     `update_time`        datetime(0)
NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP(0)
COMMENT '修改时间',
405     ->     `update_user`        varchar(64) CHARACTER SET utf8mb4 COLLATE
utf8mb4_bin NULL DEFAULT NULL COMMENT '修改人',
406     ->     `is_delete`          tinyint(0)
NOT NULL DEFAULT 1 COMMENT '逻辑删除: 0删除',
407     ->     PRIMARY KEY (`id`) USING BTREE,
408     ->     INDEX `send_log_api_log_id` (`api_log_id`) USING BTREE,
409     ->     INDEX `send_log_signature` (`signature`) USING BTREE,
410     ->     INDEX `send_log_template` (`template`) USING BTREE
411     -> ) ENGINE = InnoDB
412     -> CHARACTER SET = utf8mb4
413     -> COLLATE = utf8mb4_bin COMMENT = '日志表'
414     -> ROW_FORMAT = Dynamic;
415 Query OK, 0 rows affected, 23 warnings (0.03 sec)
416
417 mysql>
418 mysql> SET FOREIGN_KEY_CHECKS = 1;
419 Query OK, 0 rows affected (0.00 sec)
420
421 mysql> show tables;
422 +-----+
423 | Tables_in_sms |
424 +-----+
425 | black_list    |
426 | config         |
427 | config_signature |
428 | config_template |
429 | manual_process |
430 | platform       |
431 | receive_log    |
432 | send_log       |
433 | signature      |

```



```
434 | template |
435 | timing_push |
436 +-----+
437 11 rows in set (0.01 sec)
438
439 mysql>
```

Nacos

命名空间

进入控制台，新建一个命名空间



新建命名空间

命名空间ID(不强制自动生成):

* 命名空间名:

* 描述:

确定

取消

新建命名空间

命名空间ID(不强制自动生成):

* 命名空间名:

sms-dev

* 描述:

集信达短信平台-开发环境

确定

取消

新建命名空间

命名空间ID(不强制自动生成):

* 命名空间名:

sms

* 描述:

集信达短信平台-生产环境

确定

取消

命名空间名称	命名空间ID
public(保留空间)	
sms	0937395c-8632-4714-9ed3-b48dac8cd5ae
sms-dev	2051a6a2-ba78-4dac-85a2-f991dd5162f2
authority-dev	27ce69b0-bff1-4c03-8f3e-0ea5559a5732

配置文件

common.yml

```
1  server:
2    undertow: # jetty undertow
3    io-threads: 8 # 设置IO线程数, 它主要执行非阻塞的任务,它们会负责多个连接, 默认设置
   每个CPU核心一个线程
4    worker-threads: 120 # 阻塞任务线程池, 当执行类似servlet请求阻塞操作, undertow
   会从这个线程池中取得线程,它的值设置取决于系统的负载
5    buffer-size: 2048 # 以下的配置会影响buffer,这些buffer会用于服务器连接的IO操作,
   有点类似netty的池化内存管理 , 每块buffer的空间大小,越小的空间被利用越充分
6    direct-buffers: true # 是否分配的直接内存
7
8  spring:
9    http:
10     encoding:
11       charset: UTF-8
12       force: true
13       enabled: true
14     servlet:
15       multipart:
16         max-file-size: 512MB # Max file size, 默认1M
17         max-request-size: 512MB # Max request size, 默认10M
18
19  dozer:
20    mappingFiles:
21     - classpath:dozer/global.dozer.xml
```

```

22     - classpath:dozer/biz.dozer.xml
23 management:
24     endpoints:
25         web:
26             base-path: /actuator
27             exposure:
28                 include: '*'
29     endpoint:
30         health:
31             show-details: ALWAYS
32             enabled: true
33
34 feign:
35     httpclient:
36         enabled: false
37     okhttp:
38         enabled: true
39     hystrix:
40         enabled: true    # feign 熔断机制是否开启
41         #支持压缩的mime types
42     compression: # 请求压缩
43     request:
44         enabled: true
45         mime-types: text/xml,application/xml,application/json
46         min-request-size: 2048
47     response: # 响应压缩
48         enabled: true
49
50 ribbon:
51     httpclient:
52         enabled: false
53     okhttp:
54         enabled: true
55     eureka:
56         enabled: true
57     ReadTimeout: 30000    #
58     ConnectTimeout: 30000 # [ribbon超时时间]大于[熔断超时],那么会先走熔断,相当于你配
    的ribbon超时就不生效了 ribbon和hystrix是同时生效的,哪个值小哪个生效
59     MaxAutoRetries: 0    # 最大自动重试
60     MaxAutoRetriesNextServer: 1 # 最大自动像下一个服务重试
61     OkToRetryOnAllOperations: false #无论是请求超时或者socket read timeout都进行
    重试,
62
63 hystrix:
64     threadpool:
65         default:
66             coreSize: 1000 # 并发执行的最大线程数,默认10
67             maxQueueSize: 1000 # BlockingQueue的最大队列数
68             queueSizeRejectionThreshold: 500 # 即使maxQueueSize没有达到,达到
    queueSizeRejectionThreshold该值后,请求也会被拒绝
69     command:
70         default:
71             execution:
72                 isolation:
73                     thread:
74                         timeoutInMilliseconds: 120000 # 熔断超时 ribbon和hystrix是同时生效
    的,哪个值小哪个生效
75

```

```
76 id-generator:
77   machine-code: 1  # id生成器机器掩码
```

mysql.yml

```
1  # mysql 个性化配置，不同的环境，需要配置不同的链接信息，只需要将这段信息复制
2  # 到具体环境的配置文件中进行修改即可
3  # 如：复制到auth-server-dev.yml中将数据库名和ip改掉
4
5  mysql:
6    ip: 127.0.0.1
7    port: 3306
8    driverClassName: com.mysql.cj.jdbc.Driver
9    database: sms
10   username: root
11   password: 20010713
12  database:
13    isBlockAttack: false  # 是否启用 攻击 SQL 阻断解析器
14
15
16  # mysql 通用配置
17  spring:
18    datasource:
19      druid:
20        username: ${mysql.username}
21        password: ${mysql.password}
22        driver-class-name: ${mysql.driverClassName}
23        url: jdbc:mysql://${mysql.ip}:${mysql.port}/${mysql.database}?
serverTimezone=GMT&characterEncoding=utf8
24        #
&useUnicode=true&useSSL=false&autoReconnect=true&zeroDateTimeBehavior=conver
tToNull&allowMultiQueries=true
25        db-type: mysql
26        initialSize: 10
27        minIdle: 10
28        maxActive: 500
29        max-wait: 60000
30        pool-prepared-statements: true
31        max-pool-prepared-statement-per-connection-size: 20
32        validation-query: SELECT 'x'
33        test-on-borrow: false
34        test-on-return: false
35        test-while-idle: true
36        time-between-eviction-runs-millis: 60000  #配置间隔多久才进行一次检测，检测
需要关闭的空闲连接，单位是毫秒
37        min-evictable-idle-time-millis: 300000  #配置一个连接在池中最小生存的时间，单位是毫秒
38        filters: stat,wall
39        filter:
40          wall:
41            enabled: true
42            config:
```

```

43         commentAllow: true
44         multiStatementAllow: true
45         noneBaseStatementAllow: true
46         web-stat-filter: # WebStatFilter配置, 说明请参考Druid wiki, 配置_配置
WebStatFilter
47         enabled: true
48         url-pattern: /*
49         exclusions: "*.js , *.gif , *.jpg , *.png , *.css , *.ico , /druid/*"
50         session-stat-max-count: 1000
51         profile-enable: true
52         session-stat-enable: false
53         stat-view-servlet: #展示Druid的统计信息, StatViewServlet的用途包括: 1. 提供
监控信息展示的html页面 2. 提供监控信息的JSON API
54         enabled: true
55         url-pattern: /druid/* #根据配置中的url-pattern来访问内置监控页面, 如果是
上面的配置, 内置监控页面的首页是/druid/index.html例如:
http://127.0.0.1:9000/druid/index.html
56         reset-enable: true #允许清空统计数据
57         login-username: root
58         login-password: 123456
59
60 mybatis-plus:
61     mapper-locations:
62         - classpath*:mapper/*.xml
63     #实体扫描, 多个package用逗号或者分号分隔
64     typeAliasesPackage: mao
65     global-config:
66         db-config:
67             id-type: INPUT
68             insert-strategy: NOT_NULL
69             update-strategy: NOT_NULL
70             select-strategy: NOT_EMPTY
71     configuration:
72         #配置返回数据库(column下划线命名&&返回java实体是驼峰命名),
73         #自动匹配无需as (没开启这个, SQL需要写as: select user_id as userId)
74         map-underscore-to-camel-case: true
75         cache-enabled: false
76         #配置JdbcTypeForNull, oracle数据库必须配置
77         jdbc-type-for-null: 'null'
78

```

redis.yml

```

1 # redis 通用配置, 不同的环境, 需要配置不同的链接信息,
2 # 只需要将这段信息复制到具体环境的配置文件中进行修改即可
3 # 如: 复制到auth-server-dev.yml中将数据库名和ip改掉
4
5 redis:
6     hosts: 127.0.0.1:6379
7     password: 123456

```

```
8     database: 0
9
10    spring:
11      cache:
12        type: GENERIC
13      redis:
14        hosts: ${redis.hosts}
15        password: ${redis.password}
16        database: ${redis.database}
17
18    j2cache:
19      # config-location: /j2cache.properties
20      open-spring-cache: true
21      cache-clean-mode: passive
22      allow-null-values: true
23      redis-client: lettuce
24      l2-cache-open: true
25      # l2-cache-open: false      # 关闭二级缓存
26      broadcast: net.oschina.j2cache.cache.support.redis.SpringRedisPubSubPolicy
27      # broadcast: jgroups      # 关闭二级缓存
28      L1:
29        provider_class: caffeine
30      L2:
31        provider_class:
32          net.oschina.j2cache.cache.support.redis.SpringRedisProvider
33        config_section: lettuce
34        sync_ttl_to_redis: true
35        default_cache_null_object: false
36        serialization: fst
37      caffeine:
38        properties: /j2cache/caffeine.properties      # 这个配置文件需要放在项目中
39      lettuce:
40        mode: single
41        namespace:
42        storage: generic
43        channel: j2cache
44        scheme: redis
45        hosts: ${redis.hosts}
46        password: ${redis.password}
47        database: ${redis.database}
48        sentinelMasterId:
49        maxTotal: 100
50        maxIdle: 10
51        minIdle: 10
52        timeout: 10000
```

sms-api.yml

```
1  # 在这里配置 权限服务 所有环境都能使用的配置
2
3  mysql:
4    database: sms
5
6  swagger:
7    enabled: true
8    docket:
9      sms:
10       title: 短信接收服务
11       base-package: mao.sms_api.controller
12
13
14  authentication:
15    user:
16      header-name: token
17      expire: 43200          # 外部token有效期为12小时
18      pri-key: client/pri.key # 加密
19      pub-key: client/pub.key # 解密
```

sms-api-dev.yml

```
1  # p6spy是一个开源项目，通常使用它来跟踪数据库操作，查看程序运行过程中执行的sql语句
2  # 开发环境需要使用p6spy进行sql语句输出
3  # 但p6spy会有性能损耗，不适合在生产环境使用，故其他环境无需配置
4  spring:
5    datasource:
6      driver-class-name: com.p6spy.engine.spy.P6SpyDriver
7      url: jdbc:p6spy:mysql://${mysql.ip}:${mysql.port}/${mysql.database}?
serverTimezone=CTT&characterEncoding=utf8&useUnicode=true&useSSL=false&autoR
econnect=true&zeroDateTimeBehavior=convertToNull&allowMultiQueries=true
8      db-type: mysql
9
10
11  # 设置日志级别，root表示根节点，即整体应用日志级别
12  logging:
13    level:
14      root: info
15      # 为对应组设置日志级别
16      mao: debug
```

sms-manage.yml

```
1  # 在这里配置 权限服务 所有环境都能使用的配置
2
3  mysql:
4    database: sms
5
6    # 服务端使用sdk配置信息
7    sms:
8      auth: false
9      domain: http://localhost:8771
10     accessKeyId: 7fea0419ea7c435887f996cfecda5a3a
11     accessKeySecret: 842ce103df7b4117bb47c888cc528516
12
13
14  swagger:
15    enabled: true
16    docket:
17      sms:
18        title: 短信平台管理服务
19        base-package: mao.sms_manage.controller
20
21
22  authentication:
23    user:
24      header-name: token
25      expire: 43200 # 外部token有效期为12小时
26      pri-key: client/pri.key # 加密
27      pub-key: client/pub.key # 解密
```

sms-manage-dev.yml

```
1  # p6spy是一个开源项目，通常使用它来跟踪数据库操作，查看程序运行过程中执行的sql语句
2  # 开发环境需要使用p6spy进行sql语句输出
3  # 但p6spy会有性能损耗，不适合在生产环境使用，故其他环境无需配置
4  spring:
5    datasource:
6      driver-class-name: com.p6spy.engine.spy.P6SpyDriver
7      url: jdbc:p6spy:mysql://${mysql.ip}:${mysql.port}/${mysql.database}?
serverTimezone=CTT&characterEncoding=utf8&useUnicode=true&useSSL=false&autoR
econnect=true&zeroDateTimeBehavior=convertToNull&allowMultiQueries=true
8      db-type: mysql
9
10
11  # 设置日志级别，root表示根节点，即整体应用日志级别
12  logging:
13    level:
14      root: info
15      # 为对应组设置日志级别
16      mao: debug
```


pd-sms-server.yml

```
1  # 在这里配置 权限服务 所有环境都能使用的配置
2
3  mysql:
4    database: sms
5
6    sms:
7      messageErrorNum: 3
8      configLevelFailNum: 10
9      configBuildScale: 0.75
10
11
12  swagger:
13    enabled: true
14    docket:
15      sms:
16        title: 短信发送服务
17        base-package: mao.sms_server.controller
18
19
20  authentication:
21    user:
22      header-name: token
23      expire: 43200          # 外部token有效期为12小时
24      pri-key: client/pri.key  # 加密
25      pub-key: client/pub.key  # 解密
```

pd-sms-server-dev.yml

```
1  # p6spy是一个开源项目，通常使用它来跟踪数据库操作，查看程序运行过程中执行的sql语句
2  # 开发环境需要使用p6spy进行sql语句输出
3  # 但p6spy会有性能损耗，不适合在生产环境使用，故其他环境无需配置
4  spring:
5    datasource:
6      driver-class-name: com.p6spy.engine.spy.P6SpyDriver
7      url: jdbc:p6spy:mysql://${mysql.ip}:${mysql.port}/${mysql.database}?
serverTimezone=CTT&characterEncoding=utf8&useUnicode=true&useSSL=false&autoR
econnect=true&zeroDateTimeBehavior=convertToNull&allowMultiQueries=true
8      db-type: mysql
9
10
11  # 设置日志级别，root表示根节点，即整体应用日志级别
12  logging:
13    level:
14      root: info
```

```
15 # 为对应组设置日志级别
16 mao: debug
```

导入配置

点击导入配置

public | sms | sms-dev | authority-dev | authority-pro | dev

配置管理 | sms-dev 2051a6a2-ba78-4dac-85a2-f991dd5162f2 查询结果: 共查询到 0 条满足要求的配置。

Data ID: Group: 查询 高级查询 ▾ 导入配置

<input type="checkbox"/>	Data Id ⚡	Group ⚡
--------------------------	-----------	---------

点击上传文件

?

导入配置

×

目标空间: sms-dev | 2051a6a2-ba78-4dac-85a2-f991dd5162f2

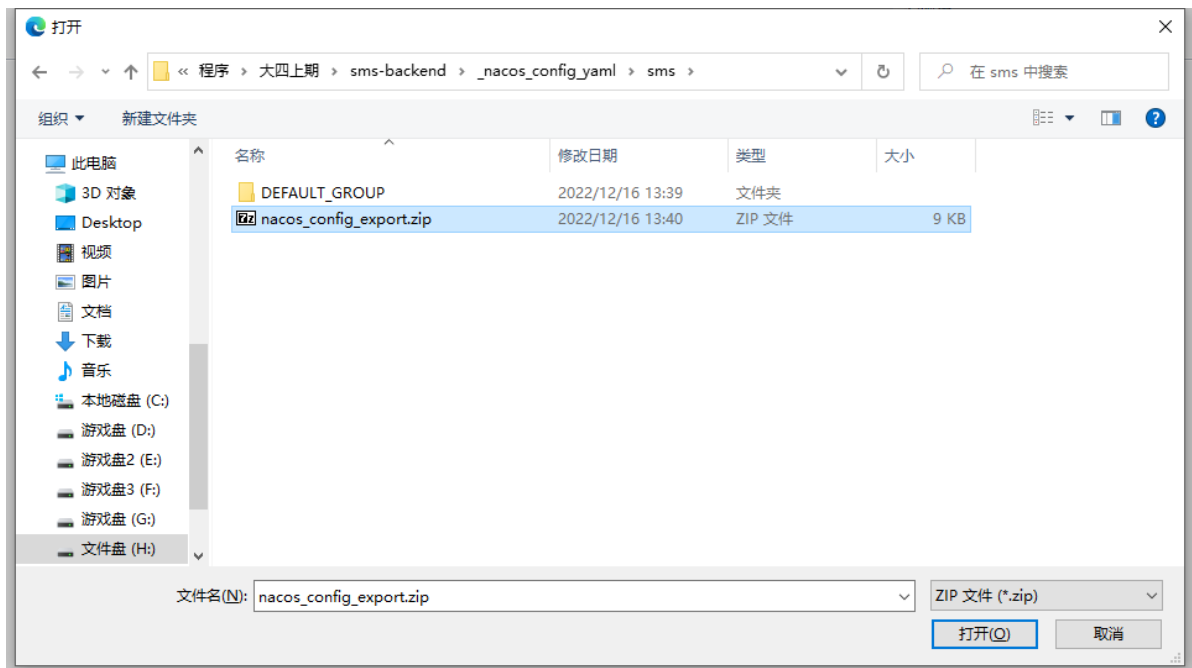
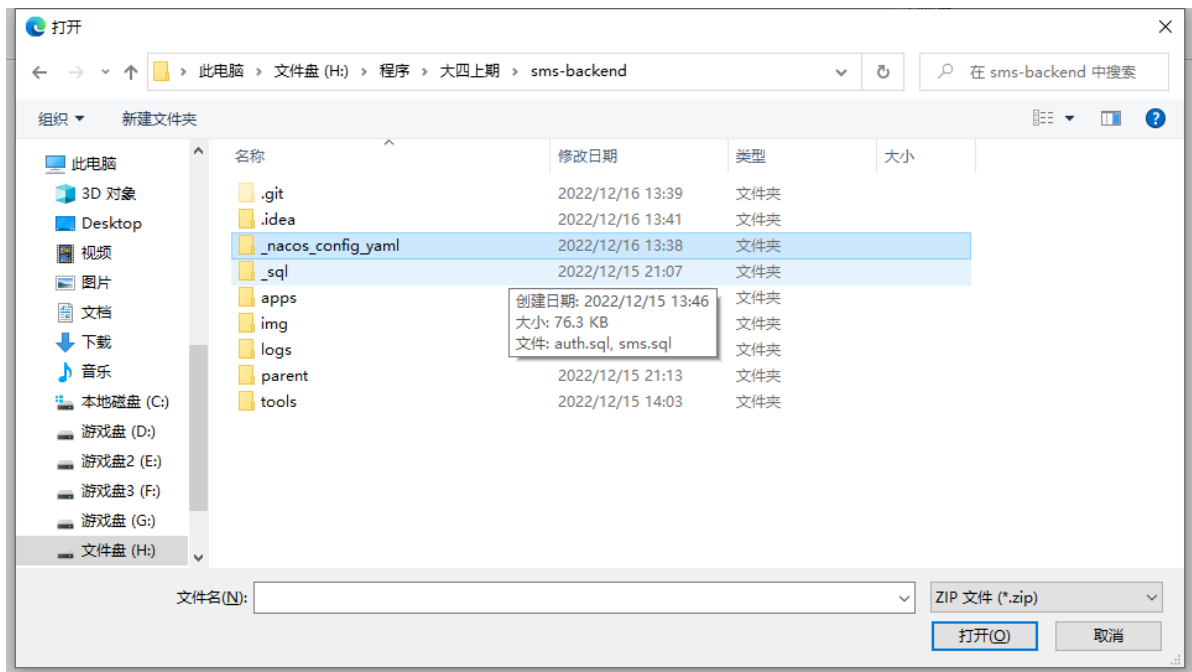
相同配置: ▾

i

文件上传后将直接导入配置, 请务必谨慎操作!

上传文件

选择项目根目录下的_nacos_config_yaml目录



public sms sms-dev authority-dev authority-pro dev				
配置管理 sms-dev 2051a6a2-ba78-4dac-85a2-f991dd5162f2 查询结果: 共查询到 9 条满足条件的配置。				
Data ID: 添加通配符""进行模糊查询 Group: 添加通配符""进行模糊查询 查询 高级查询 导入配置				
<input type="checkbox"/>	Data ID	Group	归属应用	操作
<input type="checkbox"/>	common.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	mysql.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	redis.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	sms-api-dev.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	sms-api.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	sms-manage-dev.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	sms-manage.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	sms-server-dev.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多
<input type="checkbox"/>	sms-server.yml	DEFAULT_GROUP		详情 示例代码 编辑 删除 更多

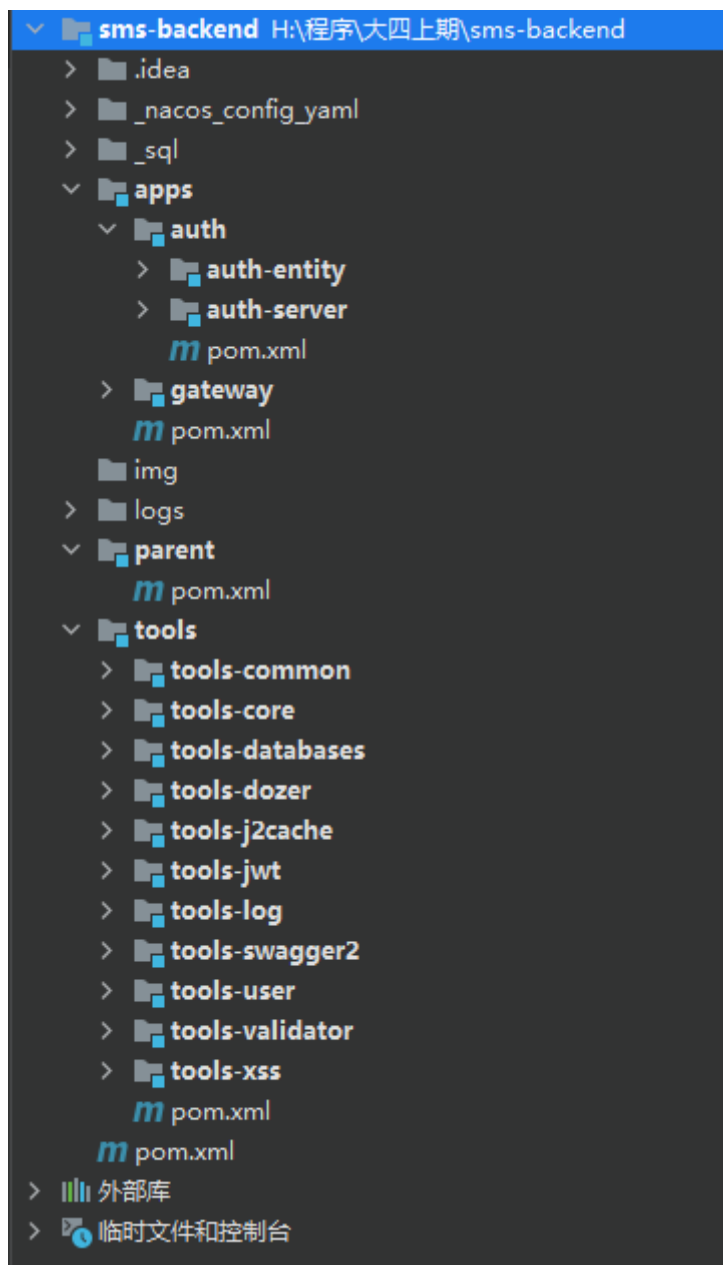
后端工程

脚手架

<https://github.com/maomao124/authority>

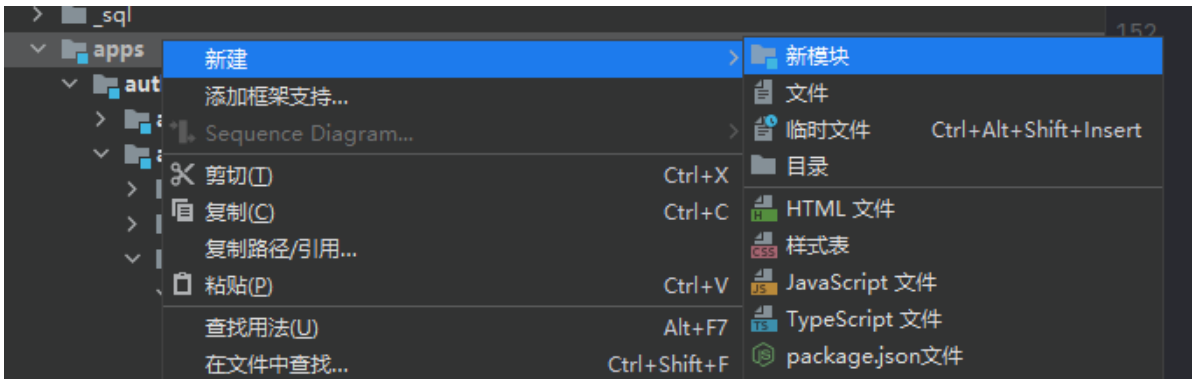
1	authority	#聚合工程，用于聚合parent、apps、tools等模块
2	├─ parent	# 父工程，nacos配置及依赖包管理
3	├─ apps	# 应用目录
4	│ └─ auth	# 权限服务父工程
5	│ └─ auth-entity	# 权限实体
6	│ └─ auth-server	# 权限服务
7	│ └─ gateway	# 网关服务
8	└─ tools	# 工具工程
9	│ └─ tools-common	# 基础组件：基础配置类、函数、常量、统一异常处理、 undertow服务器
10	│ └─ tools-core	# 核心组件：基础实体、返回对象、上下文、异常处理、分布式 锁、函数、树
11	│ └─ tools-databases	# 数据源组件：数据源配置、数据权限、查询条件等
12	│ └─ tools-dozer	# 对象转换：dozer配置、工具
13	│ └─ tools-redis-cache	# redis分布式缓存工具类和分布式锁服务，缓存工具类解决著 名的3个缓存问题
14	│ └─ tools-j2cache	# 缓存组件：j2cache、redis缓存
15	│ └─ tools-jwt	# JWT组件：配置、属性、工具
16	│ └─ tools-log	# 日志组件：日志实体、事件、拦截器、工具
17	│ └─ tools-swagger2	# 文档组件：knife4j文档
18	│ └─ tools-user	# 用户上下文：用户注解、模型和工具，当前登录用户信息注入 模块
19	│ └─ tools-validator	# 表单验证： 后台表单规则验证
20	│ └─ tools-xss	# xss防注入组件

不项目只需要使用到脚手架的部分tools模块为父模块的子模块，其它的暂时都不需要

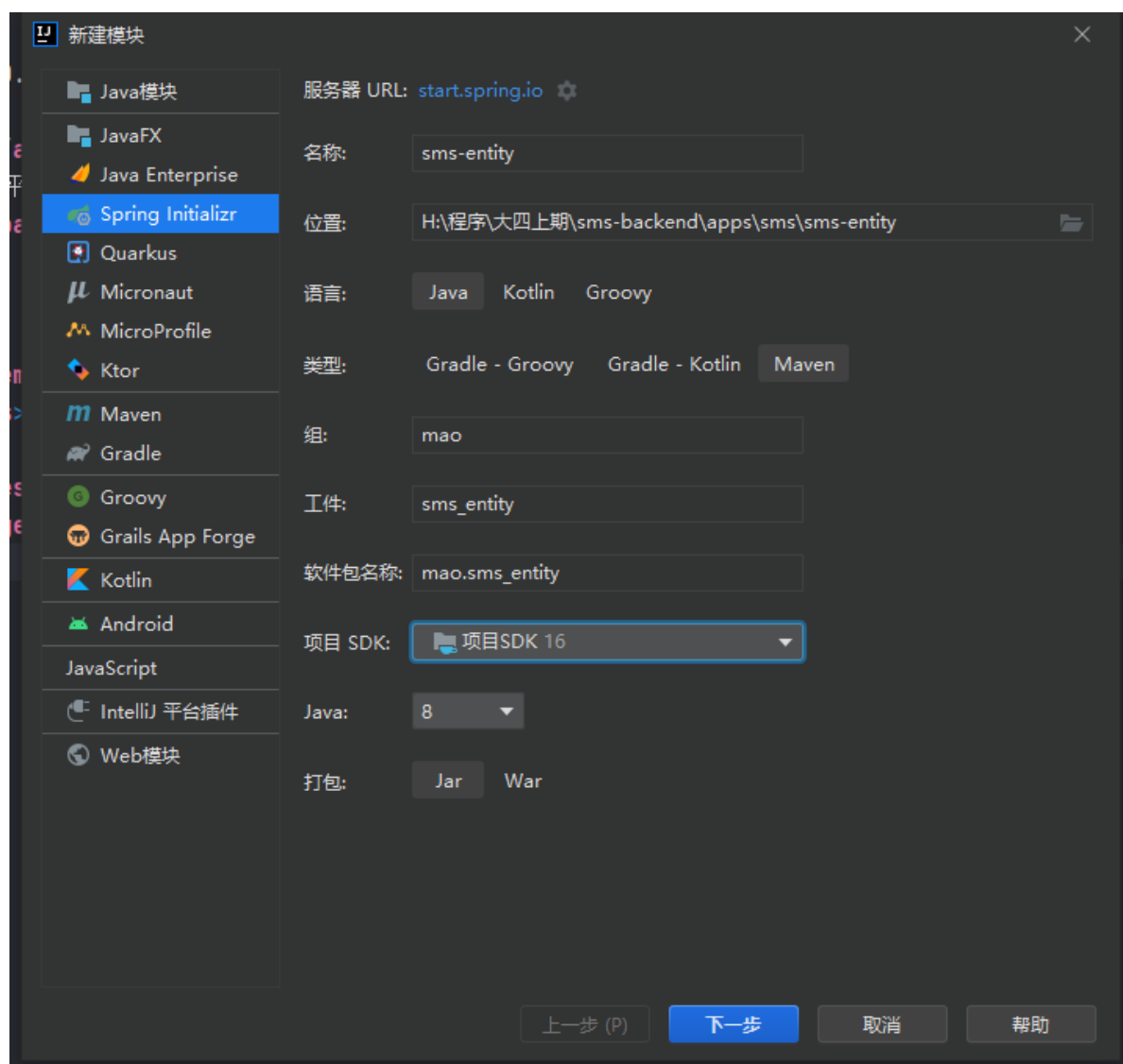


初始化工程

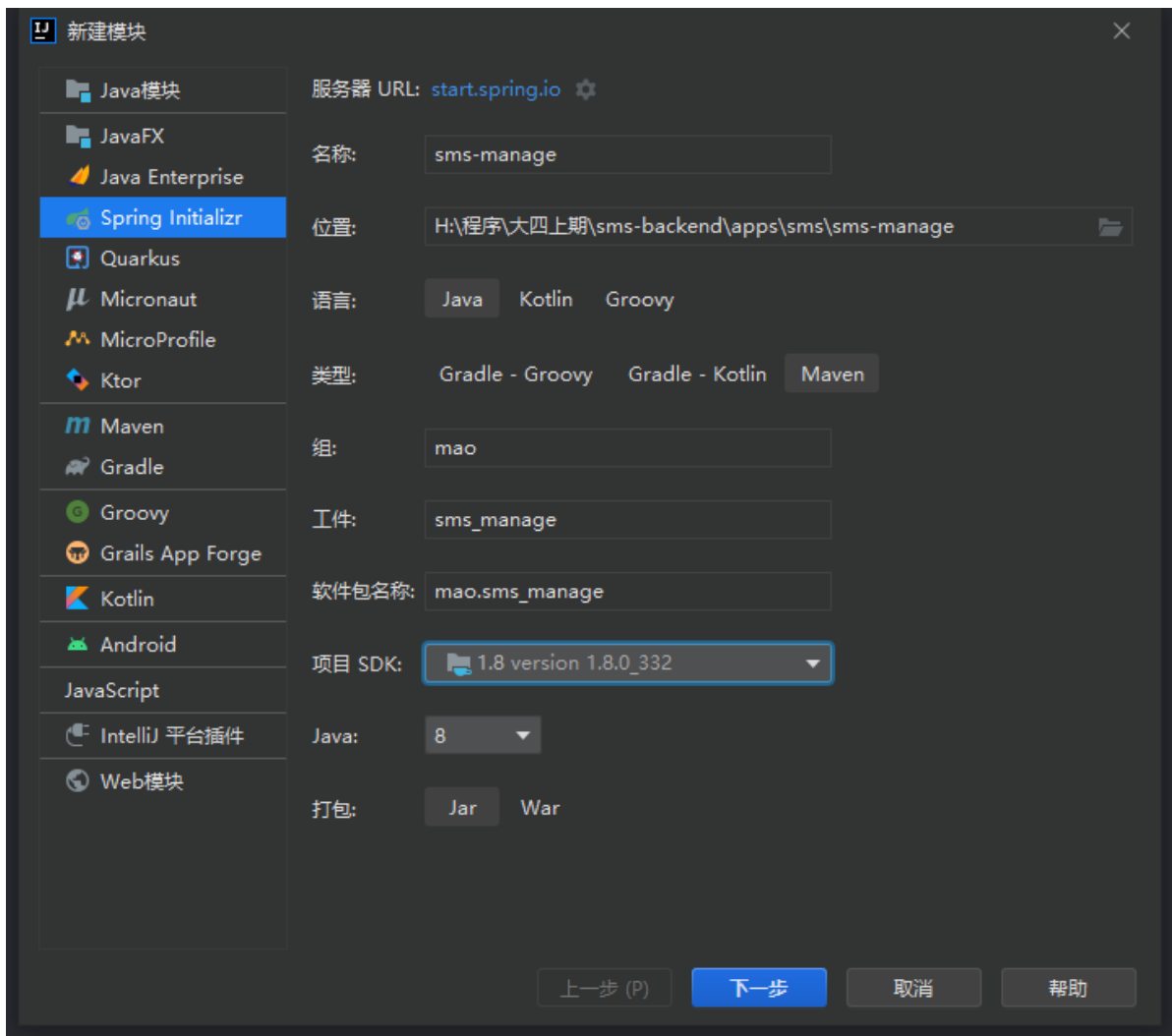
在apps目录下创建一个名字为sms的子工程



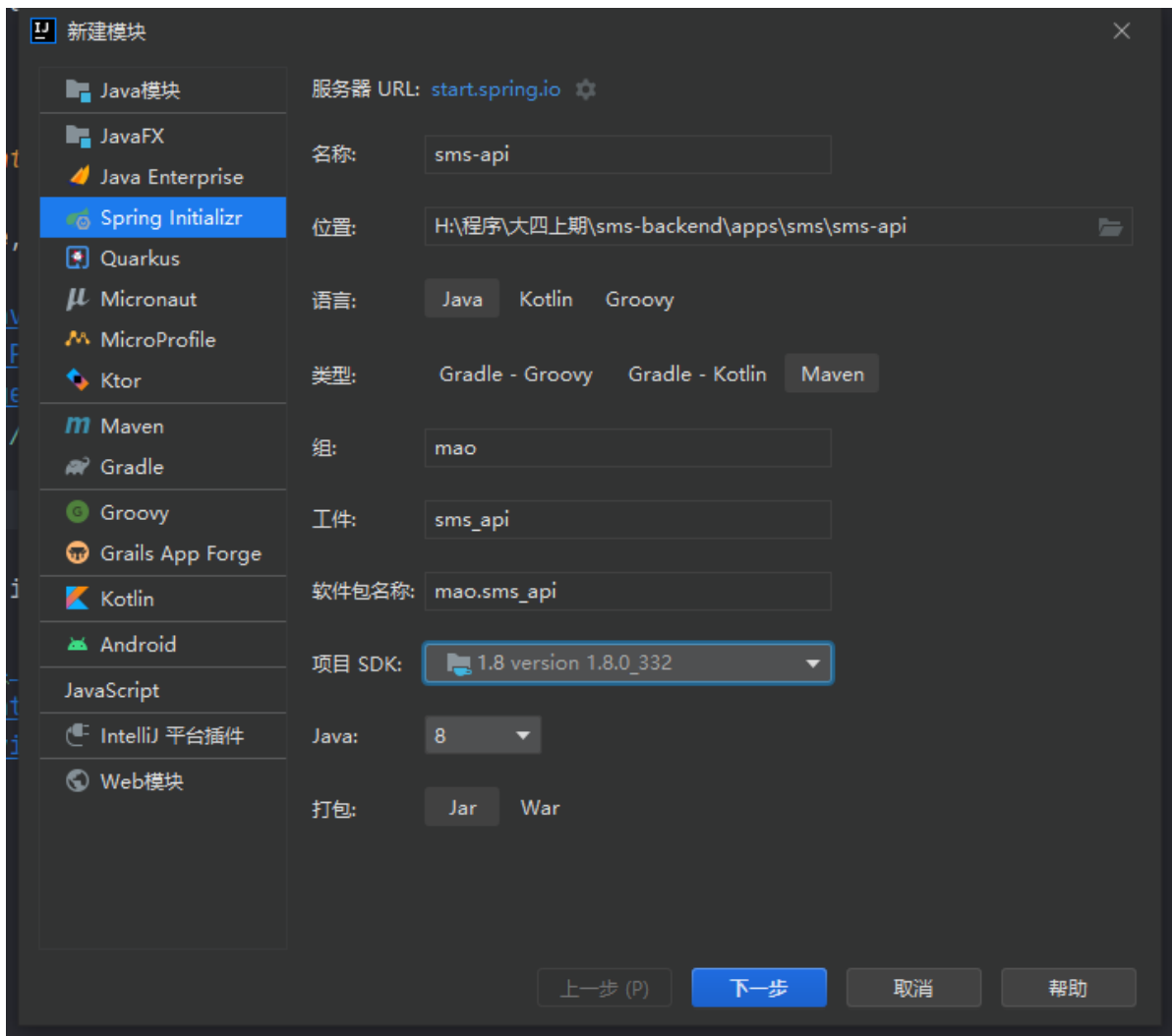
创建sms项目的子项目sms-entity



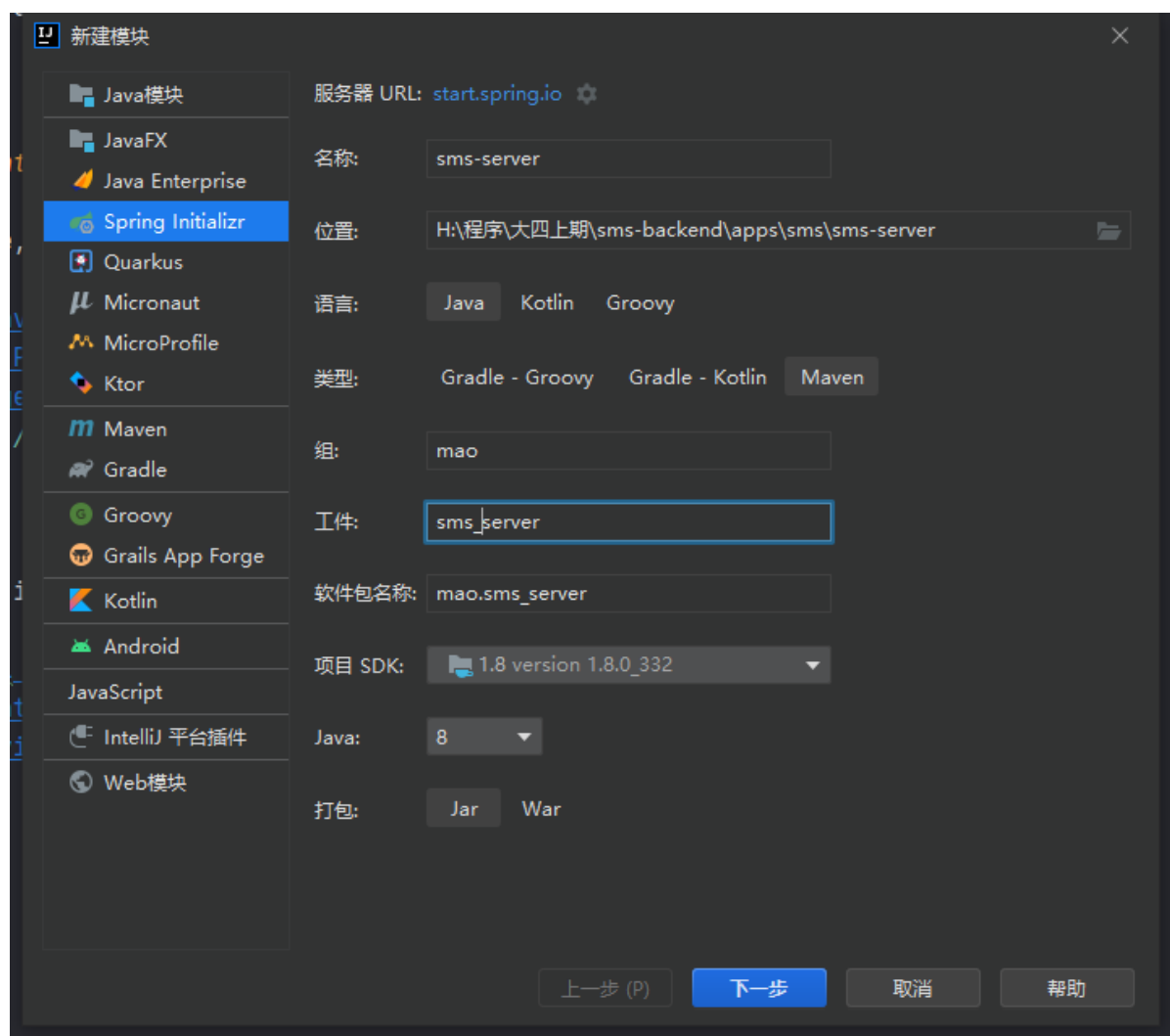
创建sms项目的子项目sms-manage



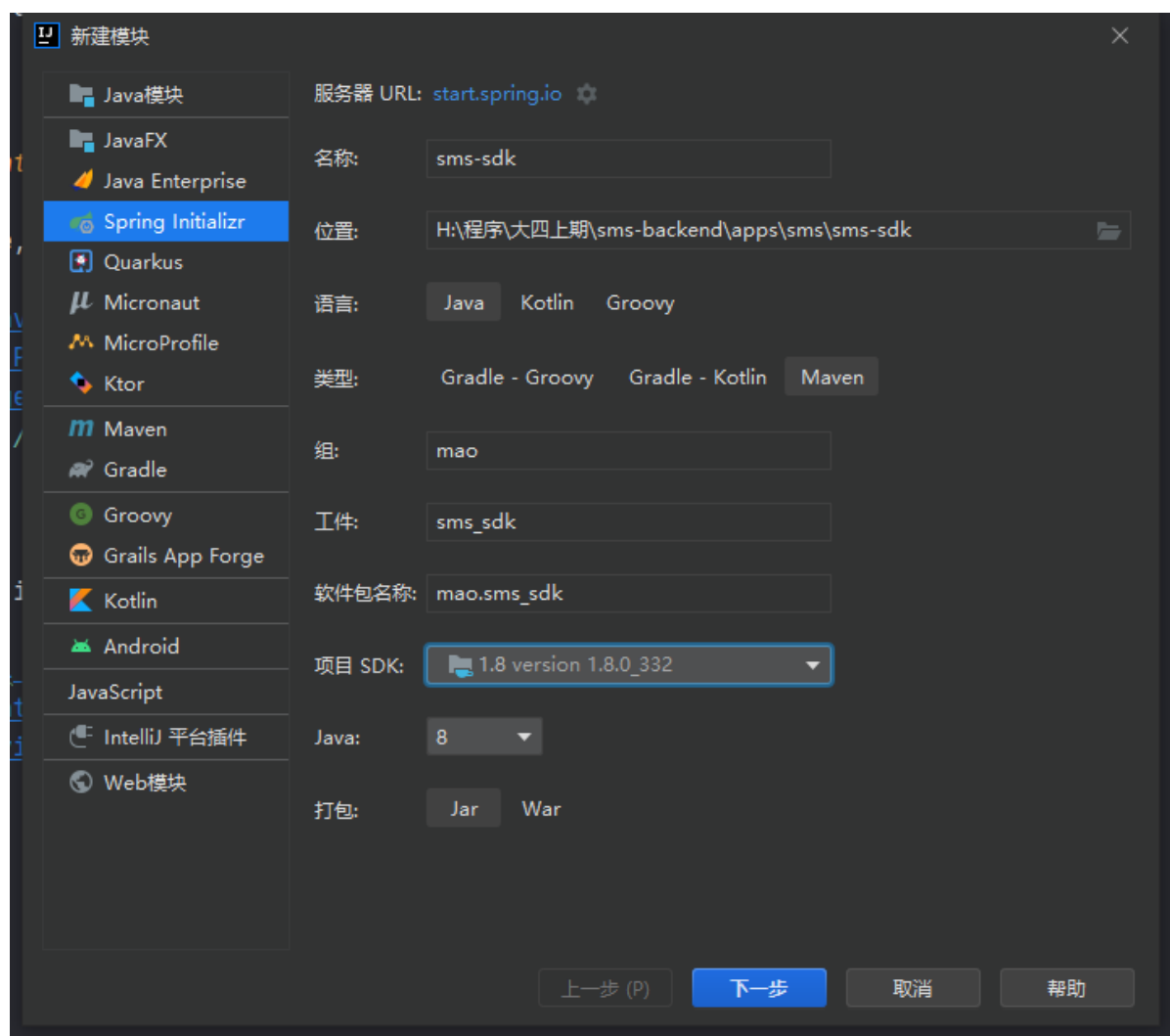
创建sms项目的子项目sms-api



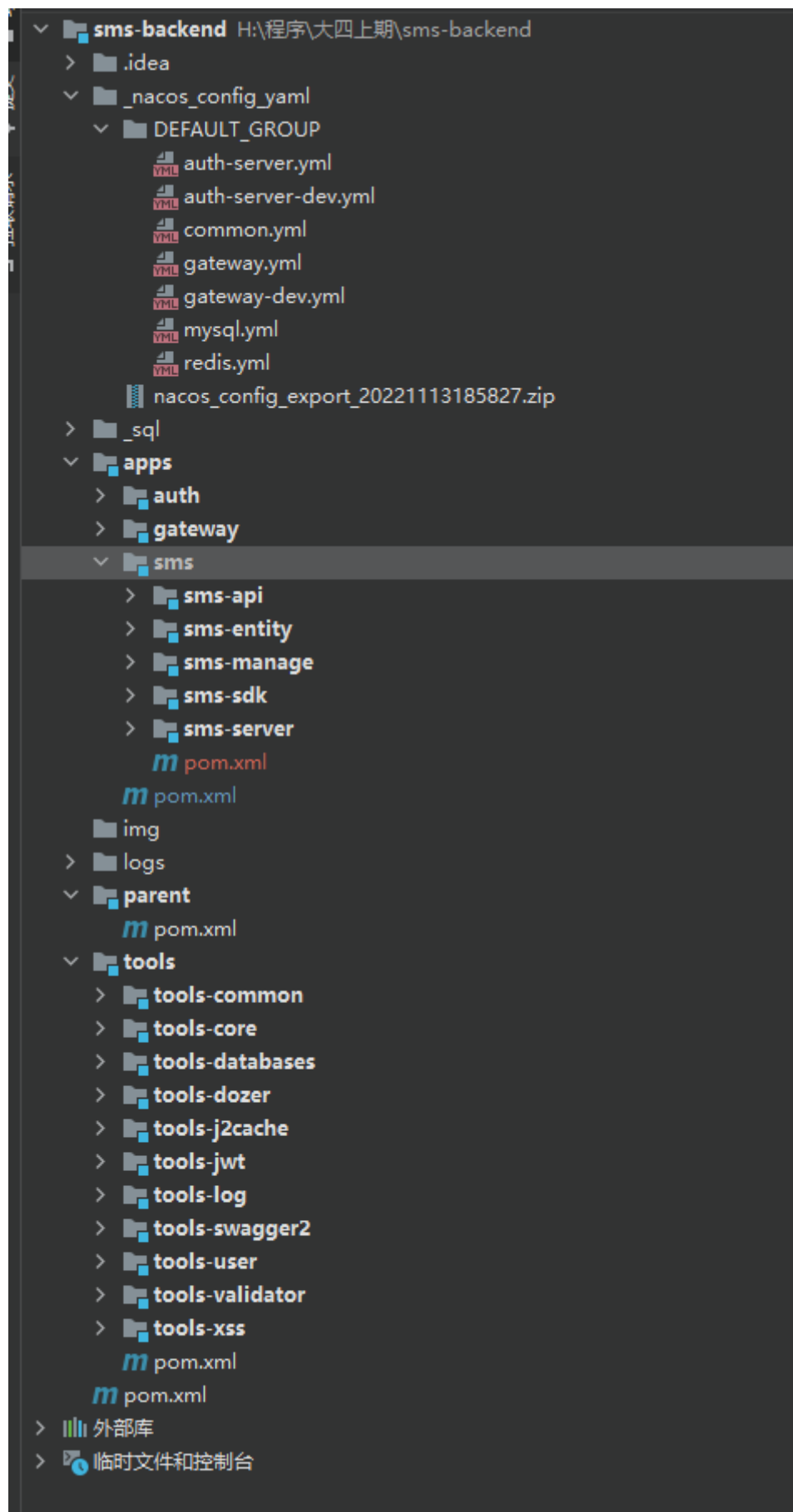
创建sms项目的子项目sms-server



创建sms项目的子项目sms-sdk



最后的项目结构如下



还有一个sms-dao模块是后来添加上去的

更改pom文件

parent模块

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5                               http://maven.apache.org/xsd/maven-4.0.0.xsd">
6     <parent>
7         <groupId>org.springframework.boot</groupId>
8         <artifactId>spring-boot-starter-parent</artifactId>
9         <version>2.2.9.RELEASE</version>
10        <relativePath/> <!-- lookup parent from repository -->
11    </parent>
12
13    <groupId>mao</groupId>
14    <modelVersion>4.0.0</modelVersion>
15    <artifactId>parent</artifactId>
16    <version>1.0-SNAPSHOT</version>
17    <name>${project.artifactId}</name>
18    <description>Spring Boot 2.0项目依赖管理</description>
19    <packaging>pom</packaging>
20
21
22    <!-- 环境 -->
23    <profiles>
24        <!-- 开发 -->
25        <profile>
26            <id>dev</id>
27            <activation>
28                <!--默认激活配置-->
29                <activeByDefault>true</activeByDefault>
30            </activation>
31            <properties>
32                <!--当前环境-->
33                <pom.profile.name>dev</pom.profile.name>
34                <!--Nacos配置中心地址-->
35                <pom.nacos.ip>127.0.0.1</pom.nacos.ip>
36                <pom.nacos.port>8848</pom.nacos.port>
37                <!--Nacos配置中心命名空间,用于支持多环境,这里必须使用ID,不能使用名称,默认为空-->
38                <pom.nacos.namespace>2051a6a2-ba78-4dac-85a2-f991dd5162f2</pom.nacos.namespace>
39            </properties>
40        </profile>
41        <!-- 测试 环境 -->
42        <profile>
43            <id>test</id>
44            <properties>
45                <pom.profile.name>test</pom.profile.name>
46                <!--Nacos配置中心地址-->
```

```

47         <pom.nacos.ip>192.168.1.34</pom.nacos.ip>
48         <pom.nacos.port>8848</pom.nacos.port>
49         <!--Nacos配置中心命名空间,用于支持多环境.这里必须使用ID,不能使用名
称,默认为空-->
50         <pom.nacos.namespace>2051a6a2-ba78-4dac-85a2-
f991dd5162f2</pom.nacos.namespace>
51     </properties>
52 </profile>
53 <!-- 生产 -->
54 <profile>
55     <id>pro</id>
56     <properties>
57         <pom.profile.name>pro</pom.profile.name>
58         <!--Nacos配置中心地址-->
59         <pom.nacos.ip>127.0.0.1</pom.nacos.ip>
60         <pom.nacos.port>8848</pom.nacos.port>
61         <!--Nacos配置中心命名空间,用于支持多环境.这里必须使用ID,不能使用名
称,默认为空-->
62         <pom.nacos.namespace>0937395c-8632-4714-9ed3-
b48dac8cd5ae</pom.nacos.namespace>
63     </properties>
64 </profile>
65 </profiles>
66
67
68 <properties>
69     <java.version>1.8</java.version>
70     <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
71     <project.reporting.outputEncoding>UTF-
8</project.reporting.outputEncoding>
72     <spring.boot.version>2.3.9.RELEASE</spring.boot.version>
73     <spring.cloud.version>Hoxton.SR10</spring.cloud.version>
74     <spring-cloud-alibaba-dependencies.version>2.2.6.RELEASE</spring-
cloud-alibaba-dependencies.version>
75     <spring.version>5.2.2.RELEASE</spring.version>
76     <spring-boot-admin.version>2.2.0</spring-boot-admin.version>
77
78     <maven.compiler.plugin.version>3.8.1</maven.compiler.plugin.version>
79     <mybatis.version>3.5.9</mybatis.version>
80     <mybatis.typehandlers.version>1.0.2</mybatis.typehandlers.version>
81     <mybatisplus.version>3.2.0</mybatisplus.version>
82     <p6spy.version>3.8.7</p6spy.version>
83     <fastjson.version>1.2.79</fastjson.version>
84     <druid.version>1.2.8</druid.version>
85     <mysql.version>8.0.27</mysql.version>
86     <knife4j.version>2.0.1</knife4j.version>
87     <springfox.swagger2.version>2.9.2</springfox.swagger2.version>
88     <swagger.version>1.5.21</swagger.version>
89     <dozer.version>6.5.0</dozer.version>
90     <easy-captcha.version>1.6.2</easy-captcha.version>
91     <guava.version>20.0</guava.version>
92     <tobato-fastdfs-client.version>1.26.6</tobato-fastdfs-
client.version>
93     <qiniu-java-sdk>7.2.18</qiniu-java-sdk>
94     <j2cache.version>2.8.0-release</j2cache.version>
95
96     <hibernate.validator.version>6.1.0.Final</hibernate.validator.version>
97     <commons-exec.version>1.3</commons-exec.version>

```

```

96     <commons-email.version>1.5</commons-email.version>
97     <commons.collections4.version>4.4</commons.collections4.version>
98     <commons-lang.version>2.6</commons-lang.version>
99     <commons-io.version>2.6</commons-io.version>
100    <maven.test.skip>true</maven.test.skip>
101    <asm.version>5.0.4</asm.version>
102    <groovy-all.version>2.5.5</groovy-all.version>
103    <jjwt.version>0.7.0</jjwt.version>
104    <qcloudsms.version>1.0.6</qcloudsms.version>
105    <bce-java-sdk.version>0.10.21</bce-java-sdk.version>
106    <lombok.version>1.18.20</lombok.version>
107    <junit.version>RELEASE</junit.version>
108    <jackson.version>2.9.2</jackson.version>
109    <j2cache.version>2.8.0-release</j2cache.version>
110    <redisson.version>3.17.0</redisson.version>
111
112
113    <hutool.version>5.1.0</hutool.version>
114    <antisamy.version>1.5.7</antisamy.version>
115    <caffeine.version>2.8.0</caffeine.version>
116    <ip2region.version>1.7.2</ip2region.version>
117    <bitwalker.version>1.21</bitwalker.version>
118
119    <!--      <dockerfile-maven-plugin.version>1.4.12</dockerfile-
maven-plugin.version>-->
120    <!--      &lt; !&ndash; 私有镜像仓库&ndash; &gt; -->
121    <!--      <docker.registry>127.0.0.1:5000</docker.registry>-->
122    <!--      &lt; !&ndash; 镜像前缀&ndash; &gt; -->
123    <!--      <docker.image.prefix></docker.image.prefix>-->
124
125    </properties>
126
127
128    <dependencyManagement>
129
130        <dependencies>
131
132            <dependency>
133                <groupId>org.springframework.cloud</groupId>
134                <artifactId>spring-cloud-dependencies</artifactId>
135                <version>${spring.cloud.version}</version>
136                <type>pom</type>
137                <scope>import</scope>
138            </dependency>
139
140            <dependency>
141                <groupId>org.springframework</groupId>
142                <artifactId>spring-framework-bom</artifactId>
143                <version>${spring.version}</version>
144                <type>pom</type>
145                <scope>import</scope>
146            </dependency>
147
148            <dependency>
149                <groupId>com.alibaba.cloud</groupId>
150                <artifactId>spring-cloud-alibaba-dependencies</artifactId>
151                <version>${spring-cloud-alibaba-dependencies.version}
</version>

```

```

152         <type>pom</type>
153         <scope>import</scope>
154     </dependency>
155
156     <dependency>
157         <groupId>org.lionsoul</groupId>
158         <artifactId>ip2region</artifactId>
159         <version>${ip2region.version}</version>
160     </dependency>
161
162     <dependency>
163         <groupId>eu.bitwalker</groupId>
164         <artifactId>UserAgentUtils</artifactId>
165         <version>${bitwalker.version}</version>
166     </dependency>
167
168
169     <!-- 持久层相关 -->
170     <dependency>
171         <groupId>com.baomidou</groupId>
172         <artifactId>mybatis-plus-boot-starter</artifactId>
173         <version>${mybatisplus.version}</version>
174     </dependency>
175
176     <dependency>
177         <groupId>com.baomidou</groupId>
178         <artifactId>mybatis-plus</artifactId>
179         <version>${mybatisplus.version}</version>
180     </dependency>
181
182     <dependency>
183         <groupId>org.mybatis</groupId>
184         <artifactId>mybatis-typehandlers-jsr310</artifactId>
185         <version>${mybatis.typehandlers.version}</version>
186     </dependency>
187
188     <dependency>
189         <groupId>com.alibaba</groupId>
190         <artifactId>druid-spring-boot-starter</artifactId>
191         <version>${druid.version}</version>
192     </dependency>
193
194     <dependency>
195         <groupId>p6spy</groupId>
196         <artifactId>p6spy</artifactId>
197         <version>${p6spy.version}</version>
198     </dependency>
199
200     <dependency>
201         <groupId>mysql</groupId>
202         <artifactId>mysql-connector-java</artifactId>
203         <version>${mysql.version}</version>
204     </dependency>
205
206     <dependency>
207         <groupId>net.oschina.j2cache</groupId>
208         <artifactId>j2cache-core</artifactId>
209         <version>${j2cache.version}</version>

```



```

210         <exclusions>
211             <exclusion>
212                 <groupId>org.slf4j</groupId>
213                 <artifactId>slf4j-simple</artifactId>
214             </exclusion>
215         </exclusions>
216     </dependency>
217
218
219     <!-- FastDFS文件 -->
220     <dependency>
221         <groupId>com.github.tobato</groupId>
222         <artifactId>fastdfs-client</artifactId>
223         <version>${tobato-fastdfs-client.version}</version>
224     </dependency>
225
226     <!-- 七牛依赖 -->
227     <dependency>
228         <groupId>com.qiniu</groupId>
229         <artifactId>qiniu-java-sdk</artifactId>
230         <version>${qiniu-java-sdk}</version>
231     </dependency>
232
233     <!-- 对象转换 -->
234     <dependency>
235         <groupId>com.github.dozermapper</groupId>
236         <artifactId>dozer-spring-boot-starter</artifactId>
237         <version>${dozer.version}</version>
238     </dependency>
239
240     <!-- swagger2 -->
241     <dependency>
242         <groupId>io.springfox</groupId>
243         <artifactId>springfox-swagger2</artifactId>
244         <version>${springfox.swagger2.version}</version>
245         <exclusions>
246             <exclusion>
247                 <groupId>io.swagger</groupId>
248                 <artifactId>swagger-models</artifactId>
249             </exclusion>
250         </exclusions>
251     </dependency>
252
253     <dependency>
254         <groupId>io.swagger</groupId>
255         <artifactId>swagger-annotations</artifactId>
256         <version>${swagger.version}</version>
257     </dependency>
258
259     <dependency>
260         <groupId>io.swagger</groupId>
261         <artifactId>swagger-models</artifactId>
262         <version>${swagger.version}</version>
263     </dependency>
264
265     <dependency>
266         <groupId>io.springfox</groupId>
267         <artifactId>springfox-bean-validators</artifactId>

```

```

268         <version>${springfox.swagger2.version}</version>
269     </dependency>
270
271     <dependency>
272         <groupId>io.springfox</groupId>
273         <artifactId>springfox-core</artifactId>
274         <version>${springfox.swagger2.version}</version>
275     </dependency>
276
277     <dependency>
278         <groupId>com.github.xiaoymin</groupId>
279         <artifactId>knife4j-spring-boot-starter</artifactId>
280         <version>${knife4j.version}</version>
281     </dependency>
282     <dependency>
283         <groupId>com.github.xiaoymin</groupId>
284         <artifactId>knife4j-spring-ui</artifactId>
285         <version>${knife4j.version}</version>
286     </dependency>
287
288
289     <dependency>
290         <groupId>io.jsonwebtoken</groupId>
291         <artifactId>jjwt</artifactId>
292         <version>${jjwt.version}</version>
293     </dependency>
294
295     <!-- 腾讯云add -->
296     <dependency>
297         <groupId>com.github.qcloudsms</groupId>
298         <artifactId>qcloudsms</artifactId>
299         <version>${qcloudsms.version}</version>
300     </dependency>
301
302     <!-- 百度 -->
303     <dependency>
304         <groupId>com.baidubce</groupId>
305         <artifactId>bce-java-sdk</artifactId>
306         <version>${bce-java-sdk.version}</version>
307     </dependency>
308
309     <!-- jackson 序列化 -->
310     <dependency>
311         <groupId>com.fasterxml.jackson.datatype</groupId>
312         <artifactId>jackson-datatype-jsr310</artifactId>
313         <version>${jackson.version}</version>
314         <scope>compile</scope>
315     </dependency>
316
317     <dependency>
318         <groupId>com.fasterxml.jackson.module</groupId>
319         <artifactId>jackson-module-parameter-names</artifactId>
320         <version>${jackson.version}</version>
321         <scope>compile</scope>
322     </dependency>
323
324     <dependency>
325         <groupId>de.codecentric</groupId>

```

```

326         <artifactId>spring-boot-admin-starter-server</artifactId>
327         <version>${spring-boot-admin.version}</version>
328     </dependency>
329
330     <dependency>
331         <groupId>de.codecentric</groupId>
332         <artifactId>spring-boot-admin-server-ui</artifactId>
333         <version>${spring-boot-admin.version}</version>
334     </dependency>
335
336     <!--<dependency>-->
337     <!--<groupId>de.codecentric</groupId>-->
338     <!--<artifactId>spring-boot-admin-starter-client</artifactId>-->
339 >
340     <!--<version>${spring-boot-admin.version}</version>-->
341     <!--</dependency>-->
342
343     <dependency>
344         <groupId>org.owasp.antisamy</groupId>
345         <artifactId>antisamy</artifactId>
346         <version>${antisamy.version}</version>
347     </dependency>
348
349     <dependency>
350         <groupId>com.github.ben-manes.caffeine</groupId>
351         <artifactId>caffeine</artifactId>
352         <version>${caffeine.version}</version>
353     </dependency>
354
355     <dependency>
356         <groupId>commons-io</groupId>
357         <artifactId>commons-io</artifactId>
358         <version>${commons-io.version}</version>
359     </dependency>
360
361     <dependency>
362         <groupId>commons-lang</groupId>
363         <artifactId>commons-lang</artifactId>
364         <version>${commons-lang.version}</version>
365     </dependency>
366
367     <dependency>
368         <groupId>com.github.whvcse</groupId>
369         <artifactId>easy-captcha</artifactId>
370         <version>${easy-captcha.version}</version>
371     </dependency>
372
373     <dependency>
374         <groupId>org.hibernate.validator</groupId>
375         <artifactId>hibernate-validator</artifactId>
376         <version>${hibernate.validator.version}</version>
377     </dependency>
378
379     <dependency>
380         <groupId>org.hibernate</groupId>
381         <artifactId>hibernate-validator</artifactId>
382         <version>${hibernate.validator.version}</version>
383     </dependency>

```

```

383
384
385     <!-- 测试框架 -->
386     <dependency>
387         <groupId>org.junit.jupiter</groupId>
388         <artifactId>junit-jupiter</artifactId>
389         <version>${junit.version}</version>
390         <scope>test</scope>
391     </dependency>
392
393     <dependency>
394         <groupId>net.oschina.j2cache</groupId>
395         <artifactId>j2cache-spring-boot2-starter</artifactId>
396         <version>${j2cache.version}</version>
397     </dependency>
398
399     <!--spring boot redisson 依赖-->
400     <dependency>
401         <groupId>org.redisson</groupId>
402         <artifactId>redisson-spring-boot-starter</artifactId>
403         <version>${redisson.version}</version>
404
405     </dependency>
406
407 </dependencies>
408
409 </dependencyManagement>
410
411
412 <dependencies>
413
414     <dependency>
415         <groupId>cn.hutool</groupId>
416         <artifactId>hutool-all</artifactId>
417         <version>${hutool.version}</version>
418     </dependency>
419
420     <!--Lombok-->
421     <dependency>
422         <groupId>org.projectlombok</groupId>
423         <artifactId>lombok</artifactId>
424         <version>${lombok.version}</version>
425         <scope>provided</scope>
426     </dependency>
427
428
429     <dependency>
430         <groupId>org.slf4j</groupId>
431         <artifactId>slf4j-api</artifactId>
432         <scope>compile</scope>
433     </dependency>
434
435     <dependency>
436         <groupId>com.alibaba</groupId>
437         <artifactId>fastjson</artifactId>
438         <version>${fastjson.version}</version>
439     </dependency>
440

```

```

441     <dependency>
442         <groupId>com.google.guava</groupId>
443         <artifactId>guava</artifactId>
444         <version>${guava.version}</version>
445     </dependency>
446
447 </dependencies>
448
449
450     <build>
451         <finalName>${project.artifactId}</finalName>
452         <resources>
453             <resource>
454                 <directory>src/main/resources</directory>
455                 <includes>
456                     <include>**/*</include>
457                 </includes>
458                 <filtering>true</filtering>
459             </resource>
460         </resources>
461         <pluginManagement>
462             <plugins>
463                 <!--           <plugin>-->
464                 <!--
465 <groupId>org.springframework.boot</groupId>-->
466                 <!--           <artifactId>spring-boot-maven-
467 plugin</artifactId>-->
468                 <!--           <executions>-->
469                 <!--           <execution>-->
470                 <!--           <goals>-->
471                 <!--           <goal>repackage</goal>-->
472                 <!--           <goal>build-
473 info</goal>-->
474                 <!--           </goals>-->
475                 <!--           </execution>-->
476                 <!--           </executions>-->
477                 <!--           </plugin>-->
478             <plugin>
479                 <groupId>org.apache.maven.plugins</groupId>
480                 <artifactId>maven-compiler-plugin</artifactId>
481                 <version>${maven.compiler.plugin.version}</version>
482                 <configuration>
483                     <source>${java.version}</source>
484                     <target>${java.version}</target>
485                     <encoding>${project.build.sourceEncoding}
486 </encoding>
487                 </configuration>
488             </plugin>
489         </plugins>
490     </pluginManagement>
491
492     <plugins>
493         <!-- resources资源插件 -->
494         <plugin>
495             <groupId>org.apache.maven.plugins</groupId>
496             <artifactId>maven-resources-plugin</artifactId>

```

```

494         <configuration>
495             <encoding>UTF-8</encoding>
496             <!-- 后缀为pem、pfx的证书文件 -->
497             <nonFilteredFileExtensions>
498
499 <nonFilteredFileExtension>pem</nonFilteredFileExtension>
500
501 <nonFilteredFileExtension>pfx</nonFilteredFileExtension>
502
503 <nonFilteredFileExtension>p12</nonFilteredFileExtension>
504
505 <nonFilteredFileExtension>key</nonFilteredFileExtension>
506             </nonFilteredFileExtensions>
507         </configuration>
508     </plugin>
509
510     <!-- java文档插件 -->
511     <plugin>
512         <groupId>org.apache.maven.plugins</groupId>
513         <artifactId>maven-javadoc-plugin</artifactId>
514         <version>3.0.0</version>
515     </plugin>
516 </plugins>
</build>
</project>

```

apps模块

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0"
3          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4          xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
5      <parent>
6          <artifactId>parent</artifactId>
7          <groupId>mao</groupId>
8          <version>1.0-SNAPSHOT</version>
9          <relativePath>../parent/pom.xml</relativePath>
10     </parent>
11
12     <modelVersion>4.0.0</modelVersion>
13
14     <artifactId>apps</artifactId>
15     <packaging>pom</packaging>
16     <name>${project.artifactId}</name>
17     <description>业务系统服务父pom</description>
18
19     <modules>
20         <module>auth</module>
21         <module>gateway</module>

```

```

22     <module>sms</module>
23 </modules>
24
25 <dependencyManagement>
26     <dependencies>
27         <dependency>
28             <groupId>mao</groupId>
29             <artifactId>auth-entity</artifactId>
30             <version>${project.version}</version>
31         </dependency>
32
33         <dependency>
34             <groupId>mao</groupId>
35             <artifactId>tools-user</artifactId>
36             <version>${project.version}</version>
37         </dependency>
38         <dependency>
39             <groupId>mao</groupId>
40             <artifactId>tools-j2cache</artifactId>
41             <version>${project.version}</version>
42         </dependency>
43         <dependency>
44             <groupId>mao</groupId>
45             <artifactId>tools-core</artifactId>
46             <version>${project.version}</version>
47         </dependency>
48         <dependency>
49             <groupId>mao</groupId>
50             <artifactId>tools-common</artifactId>
51             <version>${project.version}</version>
52         </dependency>
53         <dependency>
54             <groupId>mao</groupId>
55             <artifactId>tools-databases</artifactId>
56             <version>${project.version}</version>
57         </dependency>
58         <dependency>
59             <groupId>mao</groupId>
60             <artifactId>tools-swagger2</artifactId>
61             <version>${project.version}</version>
62         </dependency>
63         <dependency>
64             <groupId>mao</groupId>
65             <artifactId>tools-dozer</artifactId>
66             <version>${project.version}</version>
67         </dependency>
68         <dependency>
69             <groupId>mao</groupId>
70             <artifactId>tools-log</artifactId>
71             <version>${project.version}</version>
72         </dependency>
73         <dependency>
74             <groupId>mao</groupId>
75             <artifactId>tools-validator</artifactId>
76             <version>${project.version}</version>
77         </dependency>
78         <dependency>
79             <groupId>mao</groupId>

```

```

80         <artifactId>tools-jwt</artifactId>
81         <version>${project.version}</version>
82     </dependency>
83     <dependency>
84         <groupId>mao</groupId>
85         <artifactId>tools-xss</artifactId>
86         <version>${project.version}</version>
87     </dependency>
88     <dependency>
89         <groupId>mao</groupId>
90         <artifactId>tools-redis-cache</artifactId>
91         <version>${project.version}</version>
92     </dependency>
93 </dependencies>
94 </dependencyManagement>
95
96
97 </project>

```

sms模块

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5         http://maven.apache.org/xsd/maven-4.0.0.xsd">
6      <parent>
7          <artifactId>apps</artifactId>
8          <groupId>mao</groupId>
9          <version>1.0-SNAPSHOT</version>
10     </parent>
11     <modelVersion>4.0.0</modelVersion>
12
13     <artifactId>sms</artifactId>
14     <description>短信平台</description>
15     <packaging>pom</packaging>
16
17     <modules>
18         <module>sms-api</module>
19         <module>sms-dao</module>
20         <module>sms-entity</module>
21         <module>sms-manage</module>
22         <module>sms-sdk</module>
23         <module>sms-server</module>
24     </modules>
25
26
27
28

```



```

29     <dependencyManagement>
30         <dependencies>
31
32             <dependency>
33                 <groupId>mao</groupId>
34                 <artifactId>sms-entity</artifactId>
35                 <version>${project.version}</version>
36             </dependency>
37             <dependency>
38                 <groupId>mao</groupId>
39                 <artifactId>sms-sdk</artifactId>
40                 <version>${project.version}</version>
41             </dependency>
42             <dependency>
43                 <groupId>mao</groupId>
44                 <artifactId>sms-api</artifactId>
45                 <version>${project.version}</version>
46             </dependency>
47             <dependency>
48                 <groupId>mao</groupId>
49                 <artifactId>sms-manage</artifactId>
50                 <version>${project.version}</version>
51             </dependency>
52             <dependency>
53                 <groupId>mao</groupId>
54                 <artifactId>sms-dao</artifactId>
55                 <version>${project.version}</version>
56             </dependency>
57
58         </dependencies>
59     </dependencyManagement>
60
61     <dependencies>
62
63     </dependencies>
64
65 </project>

```

sms-api模块

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0"
3      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4      xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5      https://maven.apache.org/xsd/maven-4.0.0.xsd">
6      <modelVersion>4.0.0</modelVersion>
7
8      <parent>
9          <artifactId>sms</artifactId>
10         <groupId>mao</groupId>

```

```

9         <version>1.0-SNAPSHOT</version>
10     </parent>
11
12     <artifactId>sms-api</artifactId>
13     <name>sms-api</name>
14     <description>短信API启动模块</description>
15     <properties>
16
17     </properties>
18
19     <dependencies>
20
21         <dependency>
22             <groupId>org.springframework.boot</groupId>
23             <artifactId>spring-boot-starter-web</artifactId>
24         </dependency>
25
26         <dependency>
27             <groupId>org.springframework.boot</groupId>
28             <artifactId>spring-boot-starter-test</artifactId>
29             <scope>test</scope>
30         </dependency>
31
32
33         <dependency>
34             <groupId>mao</groupId>
35             <artifactId>tools-user</artifactId>
36         </dependency>
37         <dependency>
38             <groupId>mao</groupId>
39             <artifactId>tools-log</artifactId>
40         </dependency>
41
42         <dependency>
43             <groupId>mao</groupId>
44             <artifactId>tools-swagger2</artifactId>
45         </dependency>
46         <dependency>
47             <groupId>mao</groupId>
48             <artifactId>tools-validator</artifactId>
49         </dependency>
50         <dependency>
51             <groupId>mao</groupId>
52             <artifactId>tools-xss</artifactId>
53         </dependency>
54         <dependency>
55             <groupId>mao</groupId>
56             <artifactId>tools-databases</artifactId>
57         </dependency>
58         <dependency>
59             <groupId>mao</groupId>
60             <artifactId>tools-dozer</artifactId>
61         </dependency>
62     <!--         <dependency>-->
63     <!--             <groupId>mao</groupId>-->
64     <!--             <artifactId>tools-j2cache</artifactId>-->
65     <!--         </dependency>-->
66     <dependency>

```

```

67         <groupId>mao</groupId>
68         <artifactId>tools-redis-cache</artifactId>
69     </dependency>
70
71     <dependency>
72         <groupId>com.alibaba.cloud</groupId>
73         <artifactId>spring-cloud-starter-alibaba-nacos-
discovery</artifactId>
74         <exclusions>
75             <exclusion>
76                 <artifactId>fastjson</artifactId>
77                 <groupId>com.alibaba</groupId>
78             </exclusion>
79             <exclusion>
80                 <groupId>com.google.guava</groupId>
81                 <artifactId>guava</artifactId>
82             </exclusion>
83         </exclusions>
84     </dependency>
85
86
87     <dependency>
88         <groupId>org.springframework.cloud</groupId>
89         <artifactId>spring-cloud-starter-netflix-hystrix</artifactId>
90         <exclusions>
91             <exclusion>
92                 <groupId>com.google.guava</groupId>
93                 <artifactId>guava</artifactId>
94             </exclusion>
95         </exclusions>
96     </dependency>
97
98     <dependency>
99         <groupId>org.ow2.asm</groupId>
100        <artifactId>asm</artifactId>
101        <version>${asm.version}</version>
102    </dependency>
103
104    <dependency>
105        <groupId>org.springframework.boot</groupId>
106        <artifactId>spring-boot-starter-aop</artifactId>
107    </dependency>
108    <dependency>
109        <groupId>org.springframework.boot</groupId>
110        <artifactId>spring-boot-starter-actuator</artifactId>
111    </dependency>
112
113    <dependency>
114        <groupId>org.springframework.boot</groupId>
115        <artifactId>spring-boot-starter-json</artifactId>
116    </dependency>
117
118    <dependency>
119        <groupId>org.springframework.cloud</groupId>
120        <artifactId>spring-cloud-context</artifactId>
121    </dependency>
122
123    <dependency>

```

```

124         <groupId>com.baomidou</groupId>
125         <artifactId>mybatis-plus-boot-starter</artifactId>
126     </dependency>
127
128     <dependency>
129         <groupId>org.springframework.boot</groupId>
130         <artifactId>spring-boot-configuration-processor</artifactId>
131         <optional>true</optional>
132         <scope>compile</scope>
133     </dependency>
134
135     <!--redis-->
136 <!--     <dependency>-->
137 <!--         <groupId>org.springframework.boot</groupId>-->
138 <!--         <artifactId>spring-boot-starter-data-redis</artifactId>-->
139 <!--     </dependency>-->
140
141
142     <dependency>
143         <groupId>mao</groupId>
144         <artifactId>sms-entity</artifactId>
145     </dependency>
146     <dependency>
147         <groupId>mao</groupId>
148         <artifactId>sms-dao</artifactId>
149     </dependency>
150
151 </dependencies>
152
153 <build>
154     <plugins>
155         <plugin>
156             <groupId>org.springframework.boot</groupId>
157             <artifactId>spring-boot-maven-plugin</artifactId>
158             <executions>
159                 <execution>
160                     <goals>
161                         <goal>repackage</goal>
162                     </goals>
163                 </execution>
164             </executions>
165         </plugin>
166         <plugin>
167             <groupId>org.apache.maven.plugins</groupId>
168             <artifactId>maven-deploy-plugin</artifactId>
169             <version>3.0.0-M1</version>
170             <configuration>
171                 <skip>true</skip>
172             </configuration>
173         </plugin>
174     </plugins>
175 </build>
176
177 </project>
178

```

sms-dao模块

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
3   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4     xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5       http://maven.apache.org/xsd/maven-4.0.0.xsd">
6   <modelVersion>4.0.0</modelVersion>
7
8   <parent>
9     <artifactId>sms</artifactId>
10    <groupId>mao</groupId>
11    <version>1.0-SNAPSHOT</version>
12  </parent>
13
14  <artifactId>sms-dao</artifactId>
15  <name>sms-dao</name>
16  <description>短信平台数据库操作相关模块</description>
17
18  <properties>
19
20  </properties>
21
22  <dependencies>
23
24    <dependency>
25      <groupId>org.springframework.boot</groupId>
26      <artifactId>spring-boot-starter</artifactId>
27    </dependency>
28
29    <dependency>
30      <groupId>org.springframework.boot</groupId>
31      <artifactId>spring-boot-starter-test</artifactId>
32      <scope>test</scope>
33    </dependency>
34
35    <dependency>
36      <groupId>mao</groupId>
37      <artifactId>sms-entity</artifactId>
38    </dependency>
39
40    <dependency>
41      <groupId>com.baomidou</groupId>
42      <artifactId>mybatis-plus-boot-starter</artifactId>
43    </dependency>
44
45    <dependency>
46      <groupId>mao</groupId>
47      <artifactId>tools-databases</artifactId>
48    </dependency>
49  </dependencies>
```

```

49
50     <build>
51         <plugins>
52             <plugin>
53                 <groupId>org.springframework.boot</groupId>
54                 <artifactId>spring-boot-maven-plugin</artifactId>
55                 <configuration>
56                     <skip>true</skip>
57                 </configuration>
58             </plugin>
59         </plugins>
60     </build>
61
62 </project>

```

sms-entity模块

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0"
3      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4      xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5      http://maven.apache.org/xsd/maven-4.0.0.xsd">
6      <modelVersion>4.0.0</modelVersion>
7
8      <parent>
9          <artifactId>sms</artifactId>
10         <groupId>mao</groupId>
11         <version>1.0-SNAPSHOT</version>
12     </parent>
13
14     <artifactId>sms-entity</artifactId>
15     <name>sms-entity</name>
16     <description>短信服务实体模块</description>
17
18     <properties>
19
20     </properties>
21
22     <dependencies>
23
24         <dependency>
25             <groupId>mao</groupId>
26             <artifactId>tools-common</artifactId>
27         </dependency>
28
29         <dependency>
30             <groupId>io.springfox</groupId>
31             <artifactId>springfox-core</artifactId>
32         </dependency>
33
34         <dependency>
35             <groupId>com.baomidou</groupId>
36             <artifactId>mybatis-plus</artifactId>

```

```

35         </dependency>
36
37     </dependencies>
38
39     <!--     <build>-->
40     <!--         <resources>-->
41     <!--             <resource>-->
42     <!--                 <directory>src/main/resources</directory>-->
43     <!--                 <includes>-->
44     <!--                     <include>**/*.xml</include>-->
45     <!--                 </includes>-->
46     <!--             </resource>-->
47     <!--         </resources>-->
48     <!--     </build>-->
49
50 </project>
51

```

sms-manage模块

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0"
3      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4      xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5      http://maven.apache.org/xsd/maven-4.0.0.xsd">
6      <modelVersion>4.0.0</modelVersion>
7
8      <parent>
9          <artifactId>sms</artifactId>
10         <groupId>mao</groupId>
11         <version>1.0-SNAPSHOT</version>
12     </parent>
13
14     <artifactId>sms-manage</artifactId>
15     <name>sms-manage</name>
16     <description>短信管理启动模块</description>
17
18     <properties>
19
20     </properties>
21
22     <dependencies>
23
24         <dependency>
25             <groupId>org.springframework.boot</groupId>
26             <artifactId>spring-boot-starter-web</artifactId>
27         </dependency>
28
29         <dependency>
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
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83
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86
87
88
89
90
91
92
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95
96
97
98
99
100

```

```

29         <groupId>org.springframework.boot</groupId>
30         <artifactId>spring-boot-starter-test</artifactId>
31         <scope>test</scope>
32     </dependency>
33
34     <dependency>
35         <groupId>mao</groupId>
36         <artifactId>tools-user</artifactId>
37     </dependency>
38     <dependency>
39         <groupId>mao</groupId>
40         <artifactId>tools-log</artifactId>
41     </dependency>
42     <dependency>
43         <groupId>mao</groupId>
44         <artifactId>tools-swagger2</artifactId>
45     </dependency>
46     <dependency>
47         <groupId>mao</groupId>
48         <artifactId>tools-validator</artifactId>
49     </dependency>
50     <dependency>
51         <groupId>mao</groupId>
52         <artifactId>tools-xss</artifactId>
53     </dependency>
54     <dependency>
55         <groupId>mao</groupId>
56         <artifactId>tools-databases</artifactId>
57     </dependency>
58     <dependency>
59         <groupId>mao</groupId>
60         <artifactId>tools-dozer</artifactId>
61     </dependency>
62
63     <dependency>
64         <groupId>com.alibaba.cloud</groupId>
65         <artifactId>spring-cloud-starter-alibaba-nacos-
discovery</artifactId>
66         <exclusions>
67             <exclusion>
68                 <artifactId>fastjson</artifactId>
69                 <groupId>com.alibaba</groupId>
70             </exclusion>
71             <exclusion>
72                 <groupId>com.google.guava</groupId>
73                 <artifactId>guava</artifactId>
74             </exclusion>
75         </exclusions>
76     </dependency>
77
78     <dependency>
79         <groupId>org.springframework.cloud</groupId>
80         <artifactId>spring-cloud-starter-netflix-hystrix</artifactId>
81         <exclusions>
82             <exclusion>
83                 <groupId>com.google.guava</groupId>
84                 <artifactId>guava</artifactId>
85             </exclusion>

```



```

86         </exclusions>
87     </dependency>
88
89
90     <dependency>
91         <groupId>org.ow2.asm</groupId>
92         <artifactId>asm</artifactId>
93         <version>${asm.version}</version>
94     </dependency>
95
96     <dependency>
97         <groupId>org.springframework.boot</groupId>
98         <artifactId>spring-boot-starter-aop</artifactId>
99     </dependency>
100
101     <dependency>
102         <groupId>org.springframework.boot</groupId>
103         <artifactId>spring-boot-starter-actuator</artifactId>
104     </dependency>
105
106     <dependency>
107         <groupId>org.springframework.boot</groupId>
108         <artifactId>spring-boot-starter-json</artifactId>
109     </dependency>
110
111     <dependency>
112         <groupId>org.springframework.cloud</groupId>
113         <artifactId>spring-cloud-context</artifactId>
114     </dependency>
115
116     <dependency>
117         <groupId>com.baomidou</groupId>
118         <artifactId>mybatis-plus-boot-starter</artifactId>
119     </dependency>
120
121     <dependency>
122         <groupId>org.springframework.boot</groupId>
123         <artifactId>spring-boot-configuration-processor</artifactId>
124         <optional>true</optional>
125         <scope>compile</scope>
126     </dependency>
127
128     <dependency>
129         <groupId>cn.afterturn</groupId>
130         <artifactId>easypoi-spring-boot-starter</artifactId>
131         <version>4.1.3</version>
132     </dependency>
133
134     <dependency>
135         <groupId>org.springframework.boot</groupId>
136         <artifactId>spring-boot-starter-data-redis</artifactId>
137     </dependency>
138
139
140     <dependency>
141         <groupId>mao</groupId>
142         <artifactId>sms-entity</artifactId>
143     </dependency>

```

```

144         <dependency>
145             <groupId>mao</groupId>
146             <artifactId>sms-dao</artifactId>
147         </dependency>
148
149
150
151     </dependencies>
152
153     <build>
154         <!-- <resources>-->
155         <!-- <resource>-->
156         <!-- <directory>src/main/resources</directory>-->
157         <!-- <filtering>true</filtering>-->
158         <!-- </resource>-->
159         <!-- </resources>-->
160         <plugins>
161             <plugin>
162                 <groupId>org.springframework.boot</groupId>
163                 <artifactId>spring-boot-maven-plugin</artifactId>
164                 <executions>
165                     <execution>
166                         <goals>
167                             <goal>repackage</goal>
168                         </goals>
169                     </execution>
170                 </executions>
171             </plugin>
172             <plugin>
173                 <groupId>org.apache.maven.plugins</groupId>
174                 <artifactId>maven-deploy-plugin</artifactId>
175                 <version>3.0.0-M1</version>
176                 <configuration>
177                     <skip>true</skip>
178                 </configuration>
179             </plugin>
180         </plugins>
181     </build>
182
183 </project>
184

```

sms-sdk模块

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3     xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
  http://maven.apache.org/xsd/maven-4.0.0.xsd">
4     <modelVersion>4.0.0</modelVersion>

```

```

5
6     <parent>
7         <artifactId>sms</artifactId>
8         <groupId>mao</groupId>
9         <version>1.0-SNAPSHOT</version>
10    </parent>
11
12    <artifactId>sms-sdk</artifactId>
13    <name>sms-sdk</name>
14    <description>短信SDK模块</description>
15
16    <properties>
17
18    </properties>
19
20    <dependencies>
21
22        <dependency>
23            <groupId>org.springframework.boot</groupId>
24            <artifactId>spring-boot-starter</artifactId>
25        </dependency>
26
27
28        <dependency>
29            <groupId>commons-httpclient</groupId>
30            <artifactId>commons-httpclient</artifactId>
31            <version>3.1</version>
32        </dependency>
33
34        <dependency>
35            <groupId>org.projectlombok</groupId>
36            <artifactId>lombok</artifactId>
37            <scope>provided</scope>
38            <version>1.18.10</version>
39        </dependency>
40
41        <dependency>
42            <groupId>org.springframework.cloud</groupId>
43            <artifactId>spring-cloud-starter-openfeign</artifactId>
44        </dependency>
45
46        <dependency>
47            <groupId>com.alibaba.cloud</groupId>
48            <artifactId>spring-cloud-starter-alibaba-nacos-
49discovery</artifactId>
50            <scope>compile</scope>
51            <exclusions>
52                <exclusion>
53                    <artifactId>fastjson</artifactId>
54                    <groupId>com.alibaba</groupId>
55                </exclusion>
56                <exclusion>
57                    <groupId>com.google.guava</groupId>
58                    <artifactId>guava</artifactId>
59                </exclusion>
60            </exclusions>
61        </dependency>

```

```

62     <dependency>
63         <groupId>org.apache.httpcomponents</groupId>
64         <artifactId>httpClient</artifactId>
65     </dependency>
66
67     <!--spring boot starter开发依赖-->
68     <dependency>
69         <groupId>org.springframework.boot</groupId>
70         <artifactId>spring-boot-autoconfigure</artifactId>
71     </dependency>
72
73     <dependency>
74         <groupId>org.springframework.boot</groupId>
75         <artifactId>spring-boot-configuration-processor</artifactId>
76     </dependency>
77
78
79 </dependencies>
80
81 <build>
82     <plugins>
83         <plugin>
84             <groupId>org.springframework.boot</groupId>
85             <artifactId>spring-boot-maven-plugin</artifactId>
86             <configuration>
87                 <skip>true</skip>
88             </configuration>
89         </plugin>
90     </plugins>
91 </build>
92
93 </project>
94

```

sms-server模块

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <project xmlns="http://maven.apache.org/POM/4.0.0"
3      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4      xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
5      https://maven.apache.org/xsd/maven-4.0.0.xsd">
6      <modelVersion>4.0.0</modelVersion>
7
8      <parent>
9          <artifactId>sms</artifactId>
10         <groupId>mao</groupId>
11         <version>1.0-SNAPSHOT</version>
12     </parent>
13
14     <artifactId>sms-server</artifactId>
15

```

```

13     <name>sms-server</name>
14     <description>短信服务启动模块</description>
15
16     <properties>
17
18     </properties>
19
20     <dependencies>
21
22         <dependency>
23             <groupId>org.springframework.boot</groupId>
24             <artifactId>spring-boot-starter-web</artifactId>
25         </dependency>
26
27         <dependency>
28             <groupId>org.springframework.boot</groupId>
29             <artifactId>spring-boot-starter-test</artifactId>
30             <scope>test</scope>
31         </dependency>
32
33
34         <dependency>
35             <groupId>mao</groupId>
36             <artifactId>tools-log</artifactId>
37         </dependency>
38         <dependency>
39             <groupId>mao</groupId>
40             <artifactId>tools-swagger2</artifactId>
41         </dependency>
42         <dependency>
43             <groupId>mao</groupId>
44             <artifactId>tools-databases</artifactId>
45         </dependency>
46         <dependency>
47             <groupId>mao</groupId>
48             <artifactId>tools-redis-cache</artifactId>
49         </dependency>
50         <dependency>
51             <groupId>mao</groupId>
52             <artifactId>tools-dozer</artifactId>
53         </dependency>
54
55
56         <dependency>
57             <groupId>com.alibaba.cloud</groupId>
58             <artifactId>spring-cloud-starter-alibaba-nacos-
discovery</artifactId>
59             <exclusions>
60                 <exclusion>
61                     <artifactId>fastjson</artifactId>
62                     <groupId>com.alibaba</groupId>
63                 </exclusion>
64                 <exclusion>
65                     <groupId>com.google.guava</groupId>
66                     <artifactId>guava</artifactId>
67                 </exclusion>
68             </exclusions>
69         </dependency>

```

```

70
71     <dependency>
72         <groupId>org.springframework.cloud</groupId>
73         <artifactId>spring-cloud-starter-netflix-hystrix</artifactId>
74         <exclusions>
75             <exclusion>
76                 <groupId>com.google.guava</groupId>
77                 <artifactId>guava</artifactId>
78             </exclusion>
79         </exclusions>
80     </dependency>
81
82     <dependency>
83         <groupId>org.ow2.asm</groupId>
84         <artifactId>asm</artifactId>
85         <version>${asm.version}</version>
86     </dependency>
87
88     <dependency>
89         <groupId>org.springframework.boot</groupId>
90         <artifactId>spring-boot-starter-aop</artifactId>
91     </dependency>
92     <dependency>
93         <groupId>org.springframework.boot</groupId>
94         <artifactId>spring-boot-starter-actuator</artifactId>
95     </dependency>
96
97     <dependency>
98         <groupId>org.springframework.boot</groupId>
99         <artifactId>spring-boot-starter-json</artifactId>
100    </dependency>
101
102
103    <dependency>
104        <groupId>org.springframework.cloud</groupId>
105        <artifactId>spring-cloud-context</artifactId>
106    </dependency>
107
108    <dependency>
109        <groupId>com.baomidou</groupId>
110        <artifactId>mybatis-plus-boot-starter</artifactId>
111    </dependency>
112
113    <dependency>
114        <groupId>org.springframework.boot</groupId>
115        <artifactId>spring-boot-configuration-processor</artifactId>
116        <optional>true</optional>
117        <scope>compile</scope>
118    </dependency>
119
120    <dependency>
121        <groupId>com.aliyun</groupId>
122        <artifactId>aliyun-java-sdk-core</artifactId>
123        <version>4.5.0</version>
124    </dependency>
125
126    <dependency>
127        <groupId>org.springframework.boot</groupId>

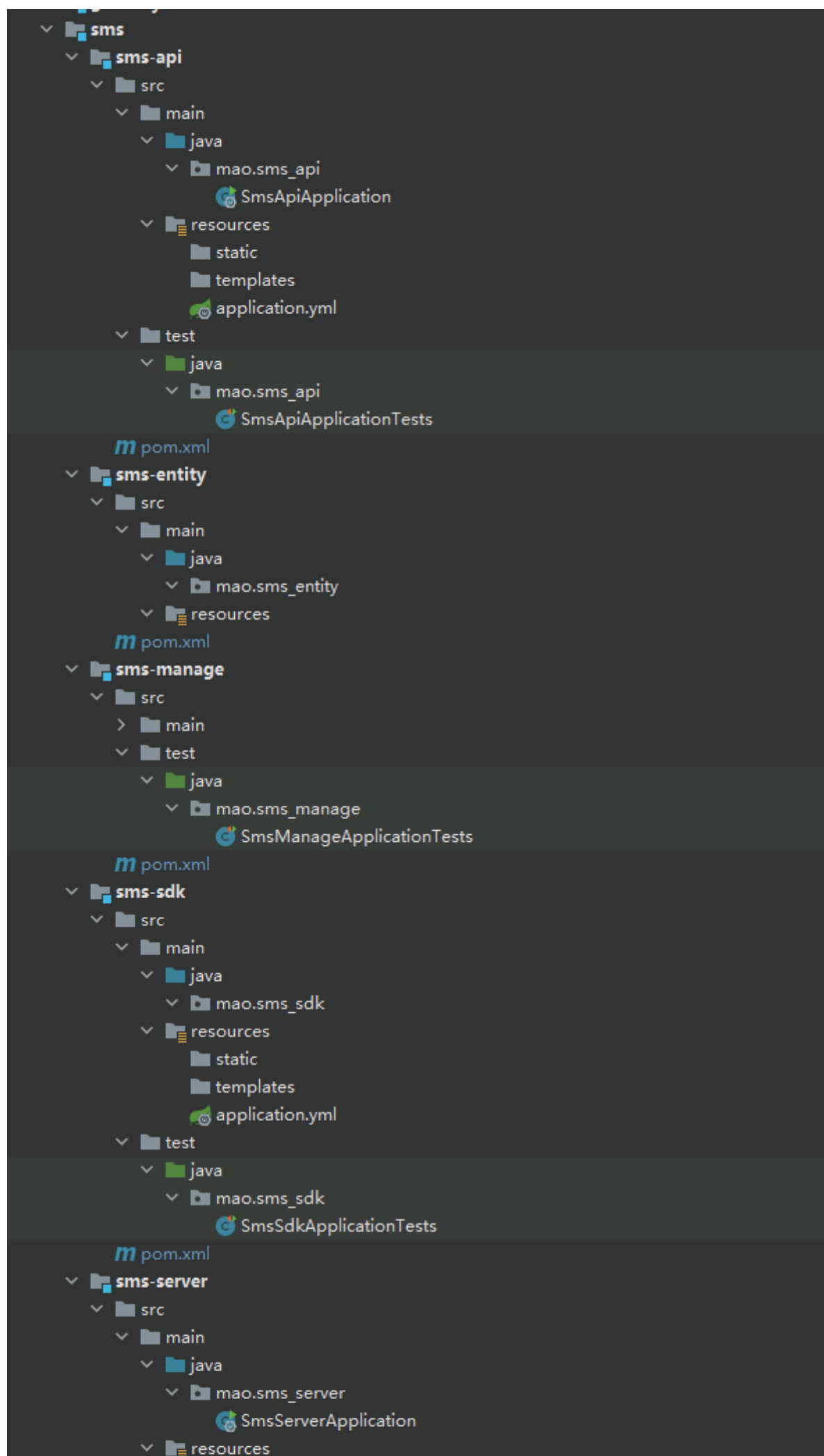
```

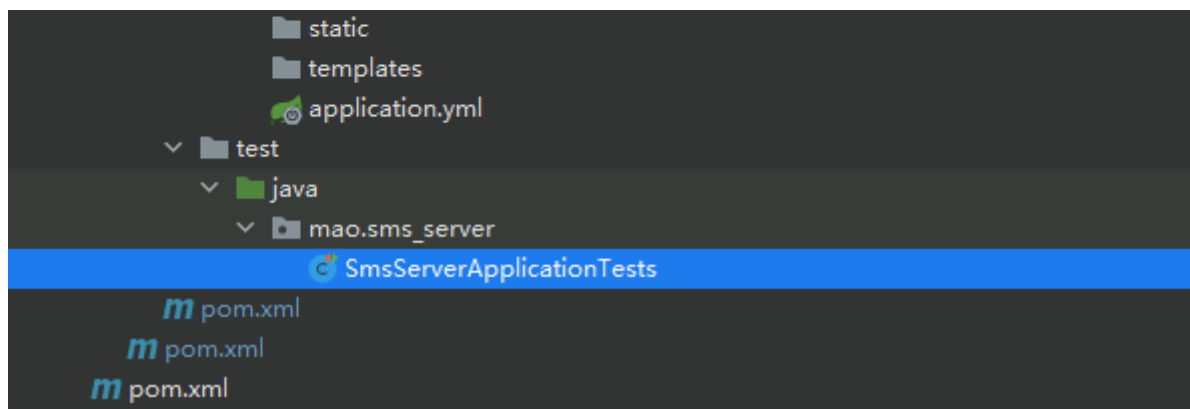
```

128         <artifactId>spring-boot-starter-data-redis</artifactId>
129     </dependency>
130
131     <!-- 京东云 -->
132     <dependency>
133         <groupId>com.jdccloud.sdk</groupId>
134         <artifactId>sms</artifactId>
135         <version>1.3.2</version>
136     </dependency>
137
138
139     <dependency>
140         <groupId>mao</groupId>
141         <artifactId>sms-entity</artifactId>
142     </dependency>
143     <dependency>
144         <groupId>mao</groupId>
145         <artifactId>sms-dao</artifactId>
146     </dependency>
147
148 </dependencies>
149
150 <build>
151     <plugins>
152         <plugin>
153             <groupId>org.springframework.boot</groupId>
154             <artifactId>spring-boot-maven-plugin</artifactId>
155             <executions>
156                 <execution>
157                     <goals>
158                         <goal>repackage</goal>
159                     </goals>
160                 </execution>
161             </executions>
162         </plugin>
163         <plugin>
164             <groupId>org.apache.maven.plugins</groupId>
165             <artifactId>maven-deploy-plugin</artifactId>
166             <version>3.0.0-M1</version>
167             <configuration>
168                 <skip>true</skip>
169             </configuration>
170         </plugin>
171     </plugins>
172 </build>
173
174 </project>
175

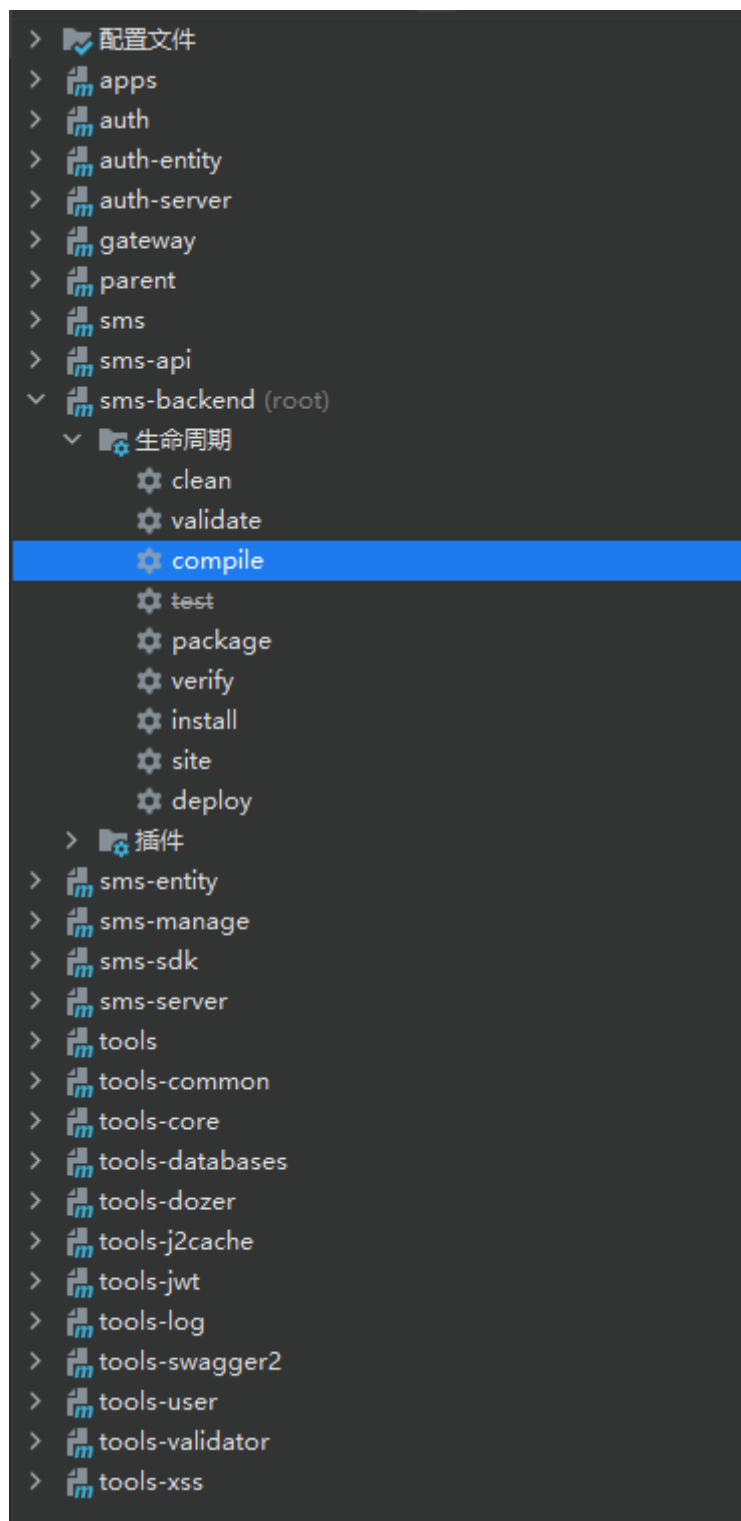
```

项目结构:





编译一次，观察是否能通过



点击编译

```
1 [INFO] Scanning for projects...
2 [INFO] -----
3 [INFO] Reactor Build Order:
4 [INFO]
5 [INFO] parent
6 [INFO] tools
7 [INFO] tools-dozer
```

```

8 [INFO] tools-swagger2
   [jar]
9 [INFO] tools-validator
   [jar]
10 [INFO] tools-xss
    [jar]
11 [INFO] tools-core
    [jar]
12 [INFO] tools-common
    [jar]
13 [INFO] tools-j2cache
    [jar]
14 [INFO] tools-log
    [jar]
15 [INFO] tools-jwt
    [jar]
16 [INFO] tools-user
    [jar]
17 [INFO] tools-databases
    [jar]
18 [INFO] apps
    [pom]
19 [INFO] auth
    [pom]
20 [INFO] auth-entity
    [jar]
21 [INFO] auth-server
    [jar]
22 [INFO] gateway
    [jar]
23 [INFO] sms
    [pom]
24 [INFO] sms-entity
    [jar]
25 [INFO] sms-api
    [jar]
26 [INFO] sms-sdk
    [jar]
27 [INFO] sms-manage
    [jar]
28 [INFO] sms-server
    [jar]
29 [INFO] sms-backend
    [pom]
30 [INFO]
31 [INFO] -----< mao:parent >-----
    ----
32 [INFO] Building parent 1.0-SNAPSHOT
    [1/25]
33 [INFO] -----[ pom ]-----
    ----
34 [INFO]
35 [INFO] -----< mao:tools >-----
    ----
36 [INFO] Building tools 1.0-SNAPSHOT
    [2/25]
37 [INFO] -----[ pom ]-----
    ----

```

```

38 [INFO]
39 [INFO] -----< mao:tools-dozer >-----
    ----
40 [INFO] Building tools-dozer 1.0-SNAPSHOT
    [3/25]
41 [INFO] -----[ jar ]-----
    ----
42 [INFO]
43 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
    tools-dozer ---
44 [INFO] Using 'UTF-8' encoding to copy filtered resources.
45 [INFO] Copying 1 resource
46 [INFO]
47 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
    dozer ---
48 [INFO] Changes detected - recompiling the module!
49 [INFO] Compiling 2 source files to H:\程序\大四上期\sms-backend\tools\tools-
    dozer\target\classes
50 [INFO] /H:/程序/大四上期/sms-backend/tools/tools-
    dozer/src/main/java/mao/toolsdozer/utils/DozerUtils.java: H:\程序\大四上期
    \sms-backend\tools\tools-
    dozer\src\main\java\mao\toolsdozer\utils\DozerUtils.java使用或覆盖了已过时的
    API。
51 [INFO] /H:/程序/大四上期/sms-backend/tools/tools-
    dozer/src/main/java/mao/toolsdozer/utils/DozerUtils.java: 有关详细信息, 请使用
    -Xlint:deprecation 重新编译。
52 [INFO]
53 [INFO] -----< mao:tools-swagger2 >-----
    ----
54 [INFO] Building tools-swagger2 1.0-SNAPSHOT
    [4/25]
55 [INFO] -----[ jar ]-----
    ----
56 [INFO]
57 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
    tools-swagger2 ---
58 [INFO] Using 'UTF-8' encoding to copy filtered resources.
59 [INFO] Copying 1 resource
60 [INFO]
61 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
    swagger2 ---
62 [INFO] Changes detected - recompiling the module!
63 [INFO] Compiling 2 source files to H:\程序\大四上期\sms-backend\tools\tools-
    swagger2\target\classes
64 [INFO]
65 [INFO] -----< mao:tools-validator >-----
    ----
66 [INFO] Building tools-validator 1.0-SNAPSHOT
    [5/25]
67 [INFO] -----[ jar ]-----
    ----
68 [WARNING] The artifact org.hibernate:hibernate-validator:jar:6.1.0.Final
    has been relocated to org.hibernate.validator:hibernate-
    validator:jar:6.1.0.Final
69 [INFO]
70 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
    tools-validator ---
71 [INFO] Using 'UTF-8' encoding to copy filtered resources.

```

```
72 [INFO] Copying 0 resource
73 [INFO]
74 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
validator ---
75 [INFO] Changes detected - recompiling the module!
76 [INFO] Compiling 2 source files to H:\程序\大四上期\sms-backend\tools\tools-
validator\target\classes
77 [INFO]
78 [INFO] -----< mao:tools-xss >-----
----
79 [INFO] Building tools-xss 1.0-SNAPSHOT
[6/25]
80 [INFO] -----[ jar ]-----
----
81 [INFO]
82 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-xss ---
83 [INFO] Using 'UTF-8' encoding to copy filtered resources.
84 [INFO] Copying 3 resources
85 [INFO]
86 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
xss ---
87 [INFO] Changes detected - recompiling the module!
88 [INFO] Compiling 6 source files to H:\程序\大四上期\sms-backend\tools\tools-
xss\target\classes
89 [INFO]
90 [INFO] -----< mao:tools-core >-----
----
91 [INFO] Building tools-core 1.0-SNAPSHOT
[7/25]
92 [INFO] -----[ jar ]-----
----
93 [INFO]
94 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-core ---
95 [INFO] Using 'UTF-8' encoding to copy filtered resources.
96 [INFO] Copying 0 resource
97 [INFO]
98 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
core ---
99 [INFO] Changes detected - recompiling the module!
100 [INFO] Compiling 28 source files to H:\程序\大四上期\sms-backend\tools\tools-
core\target\classes
101 [INFO]
102 [INFO] -----< mao:tools-common >-----
----
103 [INFO] Building tools-common 1.0-SNAPSHOT
[8/25]
104 [INFO] -----[ jar ]-----
----
105 [INFO]
106 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-common ---
107 [INFO] Using 'UTF-8' encoding to copy filtered resources.
108 [INFO] Copying 0 resource
109 [INFO]
110 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
common ---
```

```

111 [INFO] Changes detected - recompiling the module!
112 [INFO] Compiling 12 source files to H:\程序\大四上期\sms-backend\tools\tools-
common\target\classes
113 [INFO] /H:/程序/大四上期/sms-backend/tools/tools-
common/src/main/java/mao/tools_common/converter/String2LocalTimeConverter.j
ava: H:\程序\大四上期\sms-backend\tools\tools-
common\src\main\java\mao\tools_common\converter\String2LocalTimeConverter.j
ava使用了未经检查或不安全的操作。
114 [INFO] /H:/程序/大四上期/sms-backend/tools/tools-
common/src/main/java/mao/tools_common/converter/String2LocalTimeConverter.j
ava: 有关详细信息, 请使用 -Xlint:unchecked 重新编译。
115 [INFO]
116 [INFO] -----< mao:tools-j2cache >-----
----
117 [INFO] Building tools-j2cache 1.0-SNAPSHOT
[9/25]
118 [INFO] -----[ jar ]-----
----
119 [INFO]
120 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-j2cache ---
121 [INFO] Using 'UTF-8' encoding to copy filtered resources.
122 [INFO] Copying 2 resources
123 [INFO]
124 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
j2cache ---
125 [INFO] Changes detected - recompiling the module!
126 [INFO] Compiling 21 source files to H:\程序\大四上期\sms-backend\tools\tools-
j2cache\target\classes
127 [INFO]
128 [INFO] -----< mao:tools-log >-----
----
129 [INFO] Building tools-log 1.0-SNAPSHOT
[10/25]
130 [INFO] -----[ jar ]-----
----
131 [INFO]
132 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-log ---
133 [INFO] Using 'UTF-8' encoding to copy filtered resources.
134 [INFO] Copying 2 resources
135 [INFO]
136 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
log ---
137 [INFO] Changes detected - recompiling the module!
138 [INFO] Compiling 9 source files to H:\程序\大四上期\sms-backend\tools\tools-
log\target\classes
139 [INFO]
140 [INFO] -----< mao:tools-jwt >-----
----
141 [INFO] Building tools-jwt 1.0-SNAPSHOT
[11/25]
142 [INFO] -----[ jar ]-----
----
143 [INFO]
144 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-jwt ---
145 [INFO] Using 'UTF-8' encoding to copy filtered resources.

```

```

146 [INFO] Copying 0 resource
147 [INFO]
148 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
jwt ---
149 [INFO] Changes detected - recompiling the module!
150 [INFO] Compiling 12 source files to H:\程序\大四上期\sms-backend\tools\tools-
jwt\target\classes
151 [INFO]
152 [INFO] -----< mao:tools-user >-----
----
153 [INFO] Building tools-user 1.0-SNAPSHOT
[12/25]
154 [INFO] -----[ jar ]-----
----
155 [INFO]
156 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-user ---
157 [INFO] Using 'UTF-8' encoding to copy filtered resources.
158 [INFO] Copying 0 resource
159 [INFO]
160 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
user ---
161 [INFO] Changes detected - recompiling the module!
162 [INFO] Compiling 12 source files to H:\程序\大四上期\sms-backend\tools\tools-
user\target\classes
163 [INFO]
164 [INFO] -----< mao:tools-databases >-----
----
165 [INFO] Building tools-databases 1.0-SNAPSHOT
[13/25]
166 [INFO] -----[ jar ]-----
----
167 [INFO]
168 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
tools-databases ---
169 [INFO] Using 'UTF-8' encoding to copy filtered resources.
170 [INFO] Copying 0 resource
171 [INFO]
172 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ tools-
databases ---
173 [INFO] Changes detected - recompiling the module!
174 [INFO] Compiling 13 source files to H:\程序\大四上期\sms-backend\tools\tools-
databases\target\classes
175 [INFO] /H:/程序/大四上期/sms-backend/tools/tools-
databases/src/main/java/mao/tools_databases/mybatis/conditions/query/Lbqwra
pper.java: H:\程序\大四上期\sms-backend\tools\tools-
databases\src\main\java\mao\tools_databases\mybatis\conditions\query\Lbqwra
pper.java使用了未经检查或不安全的操作。
176 [INFO] /H:/程序/大四上期/sms-backend/tools/tools-
databases/src/main/java/mao/tools_databases/mybatis/conditions/query/Lbqwra
pper.java: 有关详细信息, 请使用 -xlint:unchecked 重新编译。
177 [INFO]
178 [INFO] -----< mao:apps >-----
----
179 [INFO] Building apps 1.0-SNAPSHOT
[14/25]
180 [INFO] -----[ pom ]-----
----

```



```

181 [INFO]
182 [INFO] -----< mao:auth >-----
183 [INFO] Building auth 1.0-SNAPSHOT
184 [INFO] -----[ pom ]-----
185 [INFO]
186 [INFO] -----< mao:auth-entity >-----
187 [INFO] Building auth-entity 1.0-SNAPSHOT
188 [INFO] -----[ jar ]-----
189 [INFO]
190 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
auth-entity ---
191 [INFO] Using 'UTF-8' encoding to copy filtered resources.
192 [INFO] Copying 0 resource
193 [INFO]
194 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ auth-
entity ---
195 [INFO] Changes detected - recompiling the module!
196 [INFO] Compiling 43 source files to H:\程序\大四上期\sms-
backend\apps\auth\auth-entity\target\classes
197 [INFO]
198 [INFO] -----< mao:auth-server >-----
199 [INFO] Building auth-server 1.0-SNAPSHOT
200 [INFO] -----[ jar ]-----
201 [INFO]
202 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
auth-server ---
203 [INFO] Using 'UTF-8' encoding to copy filtered resources.
204 [INFO] Copying 28 resources
205 [INFO]
206 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ auth-
server ---
207 [INFO] Changes detected - recompiling the module!
208 [INFO] Compiling 65 source files to H:\程序\大四上期\sms-
backend\apps\auth\auth-server\target\classes
209 [INFO]
210 [INFO] -----< mao:gateway >-----
211 [INFO] Building gateway 1.0-SNAPSHOT
212 [INFO] -----[ jar ]-----
213 [INFO]
214 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
gateway ---
215 [INFO] Using 'UTF-8' encoding to copy filtered resources.
216 [INFO] Copying 4 resources
217 [INFO]
218 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ gateway
---
```

```

219 [INFO] Changes detected - recompiling the module!
220 [INFO] Compiling 7 source files to H:\程序\大四上期\sms-
backend\apps\gateway\target\classes
221 [INFO] /H:/程序/大四上期\sms-
backend\apps\gateway\src\main\java\mao\gateway\filter\AccessFilter.java:
H:\程序\大四上期\sms-
backend\apps\gateway\src\main\java\mao\gateway\filter\AccessFilter.java 使
用或覆盖了标记为待删除的已过时 API。
222 [INFO] /H:/程序/大四上期\sms-
backend\apps\gateway\src\main\java\mao\gateway\filter\AccessFilter.java: 有
关详细信息, 请使用 -Xlint:removal 重新编译。
223 [INFO] /H:/程序/大四上期\sms-
backend\apps\gateway\src\main\java\mao\gateway\filter\AccessFilter.java:
H:\程序\大四上期\sms-
backend\apps\gateway\src\main\java\mao\gateway\filter\AccessFilter.java使用
了未经检查或不安全的操作。
224 [INFO] /H:/程序/大四上期\sms-
backend\apps\gateway\src\main\java\mao\gateway\filter\AccessFilter.java: 有
关详细信息, 请使用 -Xlint:unchecked 重新编译。
225 [INFO]
226 [INFO] -----< mao:sms >-----
----
227 [INFO] Building sms 1.0-SNAPSHOT
[19/25]
228 [INFO] -----[ pom ]-----
----
229 [INFO]
230 [INFO] -----< mao:sms-entity >-----
----
231 [INFO] Building sms-entity 1.0-SNAPSHOT
[20/25]
232 [INFO] -----[ jar ]-----
----
233 [INFO]
234 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
sms-entity ---
235 [INFO] Using 'UTF-8' encoding to copy filtered resources.
236 [INFO] Copying 0 resource
237 [INFO]
238 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ sms-
entity ---
239 [INFO] Changes detected - recompiling the module!
240 [INFO]
241 [INFO] -----< mao:sms-api >-----
----
242 [INFO] Building sms-api 1.0-SNAPSHOT
[21/25]
243 [INFO] -----[ jar ]-----
----
244 [INFO]
245 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
sms-api ---
246 [INFO] Using 'UTF-8' encoding to copy filtered resources.
247 [INFO] Copying 1 resource
248 [INFO]
249 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ sms-api
---
250 [INFO] Changes detected - recompiling the module!

```

```

251 [INFO] Compiling 1 source file to H:\程序\大四上期\sms-backend\apps\sms\sms-
    api\target\classes
252 [INFO]
253 [INFO] -----< mao:sms-sdk >-----
    ----
254 [INFO] Building sms-sdk 1.0-SNAPSHOT
    [22/25]
255 [INFO] -----[ jar ]-----
    ----
256 [INFO]
257 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
    sms-sdk ---
258 [INFO] Using 'UTF-8' encoding to copy filtered resources.
259 [INFO] Copying 1 resource
260 [INFO]
261 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ sms-sdk
    ---
262 [INFO] Nothing to compile - all classes are up to date
263 [INFO]
264 [INFO] -----< mao:sms-manage >-----
    ----
265 [INFO] Building sms-manage 1.0-SNAPSHOT
    [23/25]
266 [INFO] -----[ jar ]-----
    ----
267 [INFO]
268 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
    sms-manage ---
269 [INFO] Using 'UTF-8' encoding to copy filtered resources.
270 [INFO] Copying 1 resource
271 [INFO]
272 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ sms-
    manage ---
273 [INFO] Changes detected - recompiling the module!
274 [INFO] Compiling 1 source file to H:\程序\大四上期\sms-backend\apps\sms\sms-
    manage\target\classes
275 [INFO]
276 [INFO] -----< mao:sms-server >-----
    ----
277 [INFO] Building sms-server 1.0-SNAPSHOT
    [24/25]
278 [INFO] -----[ jar ]-----
    ----
279 [INFO]
280 [INFO] --- maven-resources-plugin:3.1.0:resources (default-resources) @
    sms-server ---
281 [INFO] Using 'UTF-8' encoding to copy filtered resources.
282 [INFO] Copying 1 resource
283 [INFO]
284 [INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ sms-
    server ---
285 [INFO] Changes detected - recompiling the module!
286 [INFO] Compiling 1 source file to H:\程序\大四上期\sms-backend\apps\sms\sms-
    server\target\classes
287 [INFO]
288 [INFO] -----< mao:sms-backend >-----
    ----

```

```

289 [INFO] Building sms-backend 1.0-SNAPSHOT
    [25/25]
290 [INFO] -----[ pom ]-----
    ----
291 [INFO] -----
    ----
292 [INFO] Reactor Summary for sms-backend 1.0-SNAPSHOT:
293 [INFO]
294 [INFO] parent ..... SUCCESS [
    0.003 s]
295 [INFO] tools ..... SUCCESS [
    0.001 s]
296 [INFO] tools-dozer ..... SUCCESS [
    3.240 s]
297 [INFO] tools-swagger2 ..... SUCCESS [
    1.436 s]
298 [INFO] tools-validator ..... SUCCESS [
    0.804 s]
299 [INFO] tools-xss ..... SUCCESS [
    1.105 s]
300 [INFO] tools-core ..... SUCCESS [
    2.047 s]
301 [INFO] tools-common ..... SUCCESS [
    1.651 s]
302 [INFO] tools-j2cache ..... SUCCESS [
    2.075 s]
303 [INFO] tools-log ..... SUCCESS [
    2.427 s]
304 [INFO] tools-jwt ..... SUCCESS [
    1.429 s]
305 [INFO] tools-user ..... SUCCESS [
    2.726 s]
306 [INFO] tools-databases ..... SUCCESS [
    2.637 s]
307 [INFO] apps ..... SUCCESS [
    0.001 s]
308 [INFO] auth ..... SUCCESS [
    0.001 s]
309 [INFO] auth-entity ..... SUCCESS [
    3.119 s]
310 [INFO] auth-server ..... SUCCESS [
    3.352 s]
311 [INFO] gateway ..... SUCCESS [
    1.903 s]
312 [INFO] sms ..... SUCCESS [
    0.001 s]
313 [INFO] sms-entity ..... SUCCESS [
    0.160 s]
314 [INFO] sms-api ..... SUCCESS [
    1.643 s]
315 [INFO] sms-sdk ..... SUCCESS [
    0.136 s]
316 [INFO] sms-manage ..... SUCCESS [
    1.667 s]
317 [INFO] sms-server ..... SUCCESS [
    1.472 s]
318 [INFO] sms-backend ..... SUCCESS [
    0.000 s]

```

```
319 [INFO] -----
320 [INFO] BUILD SUCCESS
321 [INFO] -----
322 [INFO] Total time: 35.994 s
323 [INFO] Finished at: 2022-12-15T22:11:05+08:00
324 [INFO] -----
```

编译能通过

配置文件

sms-api模块

biz.dozer.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <mappings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3         xmlns="http://dozermapper.github.io/schema/bean-mapping"
4         xsi:schemaLocation="http://dozermapper.github.io/schema/bean-
mapping
5                             http://dozermapper.github.io/schema/bean-
mapping.xsd">
6
7 </mappings>
```

global.dozer.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <mappings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3         xmlns="http://dozermapper.github.io/schema/bean-mapping"
4         xsi:schemaLocation="http://dozermapper.github.io/schema/bean-
mapping http://dozermapper.github.io/schema/bean-mapping.xsd">
5     <!--
6     @see: http://www.jianshu.com/p/bf8f0e8aee23
7     @see: http://blog.csdn.net/whhahyy/article/details/48594657
8     全局配置:
9     <date-format>表示日期格式
10    <stop-on-errors>错误处理开关
11    <wildcard>通配符
12    <trim-strings>裁剪字符串开关
```

```

13     -->
14     <configuration>
15         <date-format>yyyy-MM-dd HH:mm:ss</date-format>
16     </configuration>
17 </mappings>

```

application.yml

```

1 server:
2     port: 8771

```

bootstrap.yml

```

1  # @xxx@ 从pom.xml中取值，所以 @xx@ 标注的值，都不能从nacos中获取
2  def:
3      nacos:
4          ip: ${NACOS_IP:@pom.nacos.ip@}
5          port: ${NACOS_PORT:@pom.nacos.port@}
6          namespace: ${NACOS_ID:@pom.nacos.namespace@}
7
8  spring:
9      main:
10         allow-bean-definition-overriding: true
11     application:
12         name: @project.artifactId@
13     profiles:
14         active: @pom.profile.name@
15     cloud:
16         nacos:
17             config: #配置中心相关
18                 server-addr: ${def.nacos.ip}:${def.nacos.port}
19                 file-extension: yml
20                 namespace: ${def.nacos.namespace}
21                 shared-dataids: common.yml,redis.yml,mysql.yml
22                 refreshable-dataids: common.yml
23                 enabled: true
24             discovery: #服务注册中心相关
25                 # 是否为临时实例
26                 ephemeral: false
27                 server-addr: ${def.nacos.ip}:${def.nacos.port}
28                 namespace: ${def.nacos.namespace}
29                 metadata: # 元数据，用于权限服务实时获取各个服务的所有接口
30                 management.context-path: ${server.servlet.context-
path:${spring.mvc.servlet.path:${management.endpoints.web.base-path:}}
31
32
33     aop:
34         proxy-target-class: true
35         auto: true
36

```

```

37 # 只能配置在bootstrap.yml ， 否则会生成 log.path_IS_UNDEFINED 文件夹
38 # window会自动在 代码所在盘 根目录下自动创建文件夹， 如： D:/data/projects/logs
39 logging:
40   file:
41     path: ./logs
42     name: ${logging.file.path}/${spring.application.name}/root.log
43
44 # 用于/actuator/info
45 info:
46   name: '@project.name@'
47   description: '@project.description@'
48   version: '@project.version@'
49   spring-boot-version: '@spring.boot.version@'
50   spring-cloud-version: '@spring.cloud.version@'

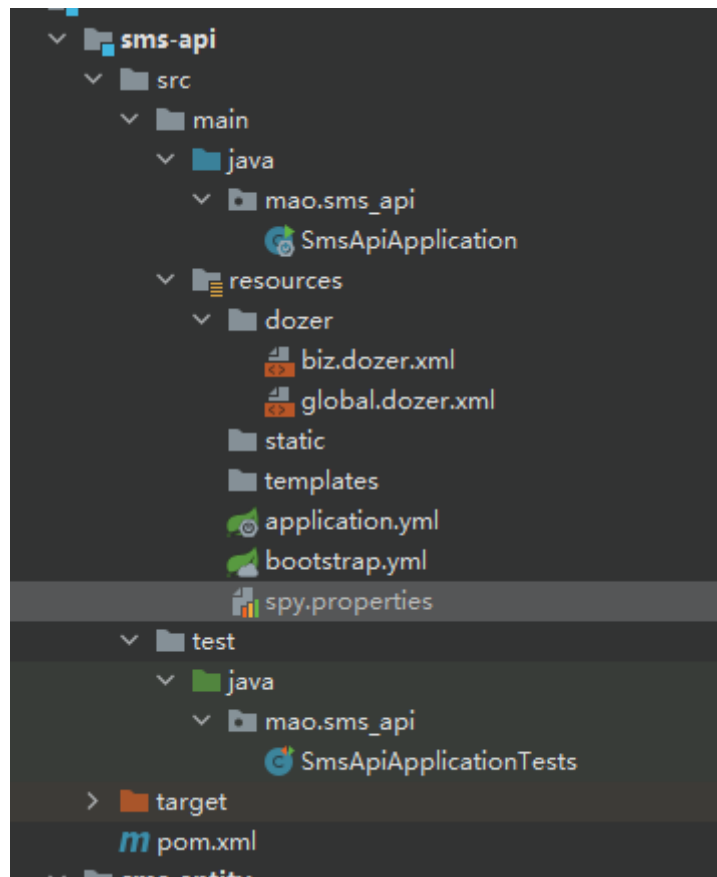
```

spy.properties

```

1  module.log=com.p6spy.engine.logging.P6LogFactory,com.p6spy.engine.outage.P6O
   outageFactory
2  # \u81EA\u5B9A\u4E49\u65E5\u5FD7\u6253\u5370
3  logMessageFormat=com.baomidou.mybatisplus.extension.p6spy.P6SpyLogger
4  #\u65E5\u5FD7\u8F93\u51FA\u5230\u63A7\u5236\u53F0
5  appender=com.baomidou.mybatisplus.extension.p6spy.StdoutLogger
6  # \u4F7F\u7528\u65E5\u5FD7\u7CFB\u7EDF\u8BB0\u5F55 sql
7  #appender=com.p6spy.engine.spy.appender.Slf4JLogger
8  # \u8BBE\u7F6E p6spy driver \u4EE3\u7406
9  deregisterdrivers=true
10 # \u53D6\u6D88JDBC URL\u524D\u7F00
11 useprefix=true
12 # \u914D\u7F6E\u8BB0\u5F55 Log
   \u4F8B\u5916,\u53EF\u53BB\u6389\u7684\u7ED3\u679C\u96C6\u6709error,info,batc
   h,debug,statement,commit,rollback,result,resultset.
13 excludecategories=info,debug,result,commit,resultset
14 # \u65E5\u671F\u683C\u5F0F
15 dateformat=yyyy-MM-dd HH:mm:ss
16 # \u5B9E\u9645\u9A71\u52A8\u53EF\u591A\u4E2A
17 driverlist=com.mysql.cj.jdbc.Driver
18 # \u662F\u5426\u542F\u6162SQL\u8BB0\u5F55
19 outagedetection=true
20 # \u6162SQL\u8BB0\u5F55\u6807\u51C6 2 \u79D2
21 outagedetectioninterval=2

```



sms-manage模块

biz.dozer.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <mappings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3           xmlns="http://dozermapper.github.io/schema/bean-mapping"
4           xsi:schemaLocation="http://dozermapper.github.io/schema/bean-
5                               mapping.xsd"
6           http://dozermapper.github.io/schema/bean-
7           mapping.xsd">
8
9 </mappings>
```

global.dozer.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <mappings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3           xmlns="http://dozermapper.github.io/schema/bean-mapping"
```



```

4      xsi:schemaLocation="http://dozermapper.github.io/schema/bean-
mapping http://dozermapper.github.io/schema/bean-mapping.xsd">
5      <!--
6      @see: http://www.jianshu.com/p/bf8f0e8aee23
7      @see: http://blog.csdn.net/whhahyy/article/details/48594657
8      全局配置:
9      <date-format>表示日期格式
10     <stop-on-errors>错误处理开关
11     <wildcard>通配符
12     <trim-strings>裁剪字符串开关
13     -->
14     <configuration>
15         <date-format>yyyy-MM-dd HH:mm:ss</date-format>
16     </configuration>
17 </mappings>

```

application.yml

```

1 server:
2   port: 8770

```

bootstrap.yml

```

1  # @xxx@ 从pom.xml中取值，所以 @xx@ 标注的值，都不能从nacos中获取
2  def:
3    nacos:
4      ip: ${NACOS_IP:@pom.nacos.ip@}
5      port: ${NACOS_PORT:@pom.nacos.port@}
6      namespace: ${NACOS_ID:@pom.nacos.namespace@}
7
8  spring:
9    main:
10     allow-bean-definition-overriding: true
11     application:
12       name: @project.artifactId@
13     profiles:
14       active: @pom.profile.name@
15     cloud:
16       nacos:
17         config: #配置中心相关
18           server-addr: ${def.nacos.ip}:${def.nacos.port}
19           file-extension: yml
20           namespace: ${def.nacos.namespace}
21           shared-dataids: common.yml,redis.yml,mysql.yml
22           refreshable-dataids: common.yml
23           enabled: true
24         discovery: #服务注册中心相关
25           # 是否为临时实例
26           ephemeral: false
27           server-addr: ${def.nacos.ip}:${def.nacos.port}

```

```

28     namespace: ${def.nacos.namespace}
29     metadata: # 元数据，用于权限服务实时获取各个服务的所有接口
30     management.context-path: ${server.servlet.context-
path:${spring.mvc.servlet.path:${management.endpoints.web.base-path:}}
31
32
33     aop:
34         proxy-target-class: true
35         auto: true
36
37     # 只能配置在bootstrap.yml，否则会生成 log.path_IS_UNDEFINED 文件夹
38     # window会自动在 代码所在盘 根目录下自动创建文件夹， 如： D:/data/projects/logs
39     logging:
40         file:
41             path: ./logs
42             name: ${logging.file.path}/${spring.application.name}/root.log
43
44     # 用于/actuator/info
45     info:
46         name: '@project.name@'
47         description: '@project.description@'
48         version: '@project.version@'
49         spring-boot-version: '@spring.boot.version@'
50         spring-cloud-version: '@spring.cloud.version@'

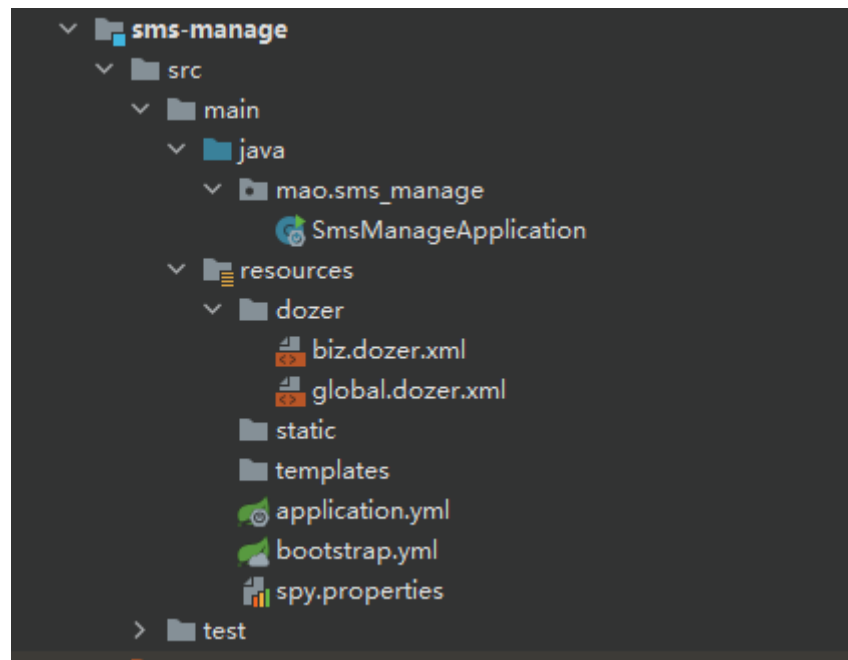
```

spy.properties

```

1  module.log=com.p6spy.engine.logging.P6LogFactory,com.p6spy.engine.outage.P6O
utageFactory
2  # \u81EA\u5B9A\u4E49\u65E5\u5FD7\u6253\u5370
3  logMessageFormat=com.baomidou.mybatisplus.extension.p6spy.P6SpyLogger
4  #\u65E5\u5FD7\u8F93\u51FA\u5230\u63A7\u5236\u53F0
5  appender=com.baomidou.mybatisplus.extension.p6spy.StdoutLogger
6  # \u4F7F\u7528\u65E5\u5FD7\u7CFB\u7EDF\u8BB0\u5F55 sql
7  #appender=com.p6spy.engine.spy.appender.Slf4JLogger
8  # \u8BBE\u7F6E p6spy driver \u4EE3\u7406
9  deregisterdrivers=true
10 # \u53D6\u6D88JDBC URL\u524D\u7F00
11 useprefix=true
12 # \u914D\u7F6E\u8BB0\u5F55 Log
   \u4F8B\u5916,\u53EF\u53BB\u6389\u7684\u7ED3\u679C\u96C6\u6709error,info,batc
   h,debug,statement,commit,rollback,result,resultset.
13 excludecategories=info,debug,result,commit,resultset
14 # \u65E5\u671F\u683C\u5F0F
15 dateFormat=yyyy-MM-dd HH:mm:ss
16 # \u5B9E\u9645\u9A71\u52A8\u53EF\u591A\u4E2A
17 driverlist=com.mysql.cj.jdbc.Driver
18 # \u662F\u5426\u542F\u6162SQL\u8BB0\u5F55
19 outagedetection=true
20 # \u6162SQL\u8BB0\u5F55\u6807\u51C6 2 \u79D2
21 outagedetectioninterval=2

```



sms-server模块

biz.dozer.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <mappings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3           xmlns="http://dozermapper.github.io/schema/bean-mapping"
4           xsi:schemaLocation="http://dozermapper.github.io/schema/bean-
mapping
5                               http://dozermapper.github.io/schema/bean-
mapping.xsd">
6
7 </mappings>
```

global.dozer.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <mappings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3           xmlns="http://dozermapper.github.io/schema/bean-mapping"
4           xsi:schemaLocation="http://dozermapper.github.io/schema/bean-
mapping http://dozermapper.github.io/schema/bean-mapping.xsd">
5     <!--
6     @see: http://www.jianshu.com/p/bf8f0e8aee23
7     @see: http://blog.csdn.net/whhahyy/article/details/48594657
```

```

8      全局配置：
9      <date-format>表示日期格式
10     <stop-on-errors>错误处理开关
11     <wildcard>通配符
12     <trim-strings>裁剪字符串开关
13     -->
14     <configuration>
15         <date-format>yyyy-MM-dd HH:mm:ss</date-format>
16     </configuration>
17 </mappings>

```

application.yml

```

1  server:
2  port: 8772

```

bootstrap.yml

```

1  # @xxx@ 从pom.xml中取值，所以 @xx@ 标注的值，都不能从nacos中获取
2  def:
3      nacos:
4          ip: ${NACOS_IP:@pom.nacos.ip@}
5          port: ${NACOS_PORT:@pom.nacos.port@}
6          namespace: ${NACOS_ID:@pom.nacos.namespace@}
7
8  spring:
9      main:
10         allow-bean-definition-overriding: true
11     application:
12         name: @project.artifactId@
13     profiles:
14         active: @pom.profile.name@
15     cloud:
16         nacos:
17             config: #配置中心相关
18                 server-addr: ${def.nacos.ip}:${def.nacos.port}
19                 file-extension: yml
20                 namespace: ${def.nacos.namespace}
21                 shared-dataids: common.yml,redis.yml,mysql.yml
22                 refreshable-dataids: common.yml
23                 enabled: true
24             discovery: #服务注册中心相关
25                 # 是否为临时实例
26                 ephemeral: false
27                 server-addr: ${def.nacos.ip}:${def.nacos.port}
28                 namespace: ${def.nacos.namespace}
29                 metadata: # 元数据，用于权限服务实时获取各个服务的所有接口
30                     management.context-path: ${server.servlet.context-
31 path:}${spring.mvc.servlet.path:}${management.endpoints.web.base-path:}

```

```

32
33     aop:
34         proxy-target-class: true
35         auto: true
36
37     # 只能配置在bootstrap.yml，否则会生成 log.path_IS_UNDEFINED 文件夹
38     # window会自动在 代码所在盘 根目录下自动创建文件夹， 如： D:/data/projects/logs
39     logging:
40         file:
41             path: ./logs
42             name: ${logging.file.path}/${spring.application.name}/root.log
43
44     # 用于/actuator/info
45     info:
46         name: '@project.name@'
47         description: '@project.description@'
48         version: '@project.version@'
49         spring-boot-version: '@spring.boot.version@'
50         spring-cloud-version: '@spring.cloud.version@'

```

spy.properties

```

1  module.log=com.p6spy.engine.logging.P6LogFactory,com.p6spy.engine.outage.P6O
   utageFactory
2  # \u81EA\u5B9A\u4E49\u65E5\u5FD7\u6253\u5370
3  logMessageFormat=com.baomidou.mybatisplus.extension.p6spy.P6SpyLogger
4  #\u65E5\u5FD7\u8F93\u51FA\u5230\u63A7\u5236\u53F0
5  appender=com.baomidou.mybatisplus.extension.p6spy.StdoutLogger
6  # \u4F7F\u7528\u65E5\u5FD7\u7CFB\u7EDF\u8BB0\u5F55 sql
7  #appender=com.p6spy.engine.spy.appender.Slf4JLogger
8  # \u8BBE\u7F6E p6spy driver \u4EE3\u7406
9  deregisterdrivers=true
10 # \u53D6\u6D88JDBC URL\u524D\u7F00
11 useprefix=true
12 # \u914D\u7F6E\u8BB0\u5F55 Log
   \u4F8B\u5916,\u53EF\u53BB\u6389\u7684\u7ED3\u679C\u96C6\u6709error,info,batc
   h,debug,statement,commit,rollback,result,resultset.
13 excludecategories=info,debug,result,commit,resultset
14 # \u65E5\u671F\u683C\u5F0F
15 dateFormat=yyyy-MM-dd HH:mm:ss
16 # \u5B9E\u9645\u9A71\u52A8\u53EF\u591A\u4E2A
17 driverlist=com.mysql.cj.jdbc.Driver
18 # \u662F\u5426\u542F\u6162SQL\u8BB0\u5F55
19 outagedetection=true
20 # \u6162SQL\u8BB0\u5F55\u6807\u51C6 2 \u79D2
21 outagedetectioninterval=2

```



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11 2022-12-16 20:42:55.211 INFO 6156 --- [           main]
    b.c.PropertySourceBootstrapConfiguration : Located property source:
    [BootstrapPropertySource {name='bootstrapProperties-sms-api-
    dev.yml,DEFAULT_GROUP'}, BootstrapPropertySource
    {name='bootstrapProperties-sms-api.yml,DEFAULT_GROUP'},
    BootstrapPropertySource {name='bootstrapProperties-sms-api,DEFAULT_GROUP'},
    BootstrapPropertySource {name='bootstrapProperties-
    mysql.yml,DEFAULT_GROUP'}, BootstrapPropertySource
    {name='bootstrapProperties-redis.yml,DEFAULT_GROUP'},
    BootstrapPropertySource {name='bootstrapProperties-
    common.yml,DEFAULT_GROUP'}]]
12 2022-12-16 20:42:55.254 INFO 6156 --- [           main]
    mao.sms_api.SmsApiApplication           : The following profiles are
    active: dev
13 2022-12-16 20:42:56.477 INFO 6156 --- [           main]
    .s.d.r.c.RepositoryConfigurationDelegate : Multiple Spring Data modules
    found, entering strict repository configuration mode!
14 2022-12-16 20:42:56.481 INFO 6156 --- [           main]
    .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data Redis
    repositories in DEFAULT mode.
15 2022-12-16 20:42:56.505 INFO 6156 --- [           main]
    .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository
    scanning in 7ms. Found 0 Redis repository interfaces.
16 2022-12-16 20:42:56.603 WARN 6156 --- [           main]
    o.s.boot.actuate.endpoint.EndpointId     : Endpoint ID 'service-registry'
    contains invalid characters, please migrate to a valid format.
17 2022-12-16 20:42:56.706 WARN 6156 --- [           main]
    o.m.s.mapper.ClassPathMapperScanner      : No MyBatis mapper was found in
    '[mao.sms_api]' package. Please check your configuration.
18 2022-12-16 20:42:56.774 INFO 6156 --- [           main]
    o.s.cloud.context.scope.GenericScope      : BeanFactory id=8d953c04-6eee-
    3eb4-9b75-8c994dd97c86
19 2022-12-16 20:42:56.953 INFO 6156 --- [           main]
    trationDelegate$BeanPostProcessorChecker : Bean
    'org.springframework.transaction.annotation.ProxyTransactionManagementConfi
    guration' of type
    [org.springframework.transaction.annotation.ProxyTransactionManagementConfi
    guration] is not eligible for getting processed by all BeanPostProcessors
    (for example: not eligible for auto-proxying)
20 2022-12-16 20:42:57.431 INFO 6156 --- [           main]
    o.s.b.w.embedded.tomcat.TomcatWebServer   : Tomcat initialized with port(s):
    8771 (http)
21 2022-12-16 20:42:57.440 INFO 6156 --- [           main]
    o.apache.catalina.core.StandardService    : Starting service [Tomcat]
22 2022-12-16 20:42:57.440 INFO 6156 --- [           main]
    org.apache.catalina.core.StandardEngine   : Starting Servlet engine: [Apache
    Tomcat/9.0.37]
23 2022-12-16 20:42:57.580 INFO 6156 --- [           main] o.a.c.c.C.
    [Tomcat].[localhost].[/]                 : Initializing Spring embedded
    WebApplicationContext
24 2022-12-16 20:42:57.580 INFO 6156 --- [           main]
    w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext:
    initialization completed in 2313 ms
25 2022-12-16 20:42:57.602 INFO 6156 --- [           main]
    m.tools_xss.config.XssAuthConfiguration  : 初始化 XssAuthConfiguration xss攻
    击配置

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26 2022-12-16 20:42:57.711 WARN 6156 --- [           main]
    c.n.c.sources.URLConfigurationSource : No URLs will be polled as
    dynamic configuration sources.
27 2022-12-16 20:42:57.711 INFO 6156 --- [           main]
    c.n.c.sources.URLConfigurationSource : To enable URLs as dynamic
    configuration sources, define System property
    archaius.configurationSource.additionalUrls or make config.properties
    available on classpath.
28 2022-12-16 20:42:57.722 INFO 6156 --- [           main]
    c.netflix.config.DynamicPropertyFactory : DynamicPropertyFactory is
    initialized with configuration sources:
    com.netflix.config.ConcurrentCompositeConfiguration@7f5614f9
29 2022-12-16 20:42:57.812 DEBUG 6156 --- [           main]
    mao.tools_xss.filter.XssFilter        : XSS fiter [XSSFilter] init start
    ...
30 2022-12-16 20:42:57.862 DEBUG 6156 --- [           main]
    mao.tools_xss.filter.XssFilter        : ignorePathList=null
31 2022-12-16 20:42:57.865 DEBUG 6156 --- [           main]
    mao.tools_xss.filter.XssFilter        : ignoreParamValueList=
    ["samIp:LogoutRequest"]
32 2022-12-16 20:42:57.865 DEBUG 6156 --- [           main]
    mao.tools_xss.filter.XssFilter        : XSS fiter [XSSFilter] init end
33 2022-12-16 20:42:58.577 INFO 6156 --- [           main]
    com.alibaba.nacos.client.naming       : initializer namespace from
    System Property :null
34 2022-12-16 20:42:58.578 INFO 6156 --- [           main]
    com.alibaba.nacos.client.naming       : initializer namespace from
    System Environment :null
35 2022-12-16 20:42:58.579 INFO 6156 --- [           main]
    com.alibaba.nacos.client.naming       : initializer namespace from
    System Property :null
36 2022-12-16 20:42:58.615 INFO 6156 --- [           main]
    c.a.d.s.b.a.DruidDataSourceAutoConfigure : Init DruidDataSource
37 2022-12-16 20:42:59.297 INFO 6156 --- [           main]
    com.alibaba.druid.pool.DruidDataSource : {dataSource-1} inited
38 2022-12-16 20:42:59.706 INFO 6156 --- [           main]
    o.s.b.a.e.web.EndpointLinksResolver    : Exposing 20 endpoint(s) beneath
    base path '/actuator'
39 2022-12-16 20:42:59.785 WARN 6156 --- [           main]
    c.n.c.sources.URLConfigurationSource : No URLs will be polled as
    dynamic configuration sources.
40 2022-12-16 20:42:59.785 INFO 6156 --- [           main]
    c.n.c.sources.URLConfigurationSource : To enable URLs as dynamic
    configuration sources, define System property
    archaius.configurationSource.additionalUrls or make config.properties
    available on classpath.
41 2022-12-16 20:42:59.961 INFO 6156 --- [           main]
    o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService
    'applicationTaskExecutor'
42 2022-12-16 20:43:00.103 INFO 6156 --- [           main]
    o.s.s.c.ThreadPoolTaskScheduler        : Initializing ExecutorService
    'Nacos-Watch-Task-Scheduler'
43 2022-12-16 20:43:00.550 INFO 6156 --- [           main]
    mao.tools_log.utils.AddressUtil        : bean
    [org.lionsoul.ip2region.DbConfig@68c4db77]
44 2022-12-16 20:43:00.550 INFO 6156 --- [           main]
    mao.tools_log.utils.AddressUtil        : bean
    [org.lionsoul.ip2region.DbSearcher@775c4054]

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45 2022-12-16 20:43:00.603 DEBUG 6156 --- [           main]
    mao.tools_xss.utils.XssUtils                : start read XSS configfile
    [antisamy-slashdot-1.4.4.xml]
46 2022-12-16 20:43:00.612 DEBUG 6156 --- [           main]
    mao.tools_xss.utils.XssUtils                : read XSS configfile [antisamy-
    slashdot-1.4.4.xml] success
47  _ _  | _ _ _ | _ _ _ _ _ | _ _
48  | | | \ | | ( | | | \ | | | | | \
49      /              |
50                      3.2.0
51 2022-12-16 20:43:00.675 INFO 6156 --- [           main]
    c.g.d.core.DozerBeanMapperBuilder          : Initializing Dozer. Version:
    6.5.0, Thread Name: main
52 2022-12-16 20:43:00.676 INFO 6156 --- [           main]
    c.g.dozermapper.core.util.RuntimeUtils      : OSGi support is false
53 2022-12-16 20:43:00.682 INFO 6156 --- [           main]
    d.c.c.r.LegacyPropertiesSettingsResolver    : Trying to find Dozer
    configuration file: dozer.properties
54 2022-12-16 20:43:00.686 INFO 6156 --- [           main]
    d.c.c.r.LegacyPropertiesSettingsResolver    : Failed to find dozer.properties
    via
    com.github.dozermapper.core.config.resolvers.LegacyPropertiesSettingsResolv
    er.
55 2022-12-16 20:43:00.692 INFO 6156 --- [           main]
    c.g.d.core.el.ELExpressionFactory           : javax.el support is true
56 2022-12-16 20:43:00.723 INFO 6156 --- [           main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder         : Using URL
    [file:/H:/%e7%a8%8b%e5%ba%8f/%e5%a4%a7%e5%9b%9b%e4%b8%8a%e6%9c%9f/sms-
    backend/apps/sms/sms-api/target/classes/dozer/global.dozer.xml] to load
    custom xml mappings
57 2022-12-16 20:43:01.101 INFO 6156 --- [           main]
    c.g.d.c.b.xml.SchemaLSResourceResolver      : Trying to resolve XML entity
    with public ID [null] and system ID
    [http://dozermapper.github.io/schema/bean-mapping.xsd]
58 2022-12-16 20:43:01.104 INFO 6156 --- [           main]
    c.g.d.c.b.xml.SchemaLSResourceResolver      : Resolved public ID [null] and
    system ID [http://dozermapper.github.io/schema/bean-mapping.xsd]
59 2022-12-16 20:43:01.142 INFO 6156 --- [           main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder         : Successfully loaded custom xml
    mapping.
60 2022-12-16 20:43:01.143 INFO 6156 --- [           main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder         : Using URL
    [file:/H:/%e7%a8%8b%e5%ba%8f/%e5%a4%a7%e5%9b%9b%e4%b8%8a%e6%9c%9f/sms-
    backend/apps/sms/sms-api/target/classes/dozer/biz.dozer.xml] to load custom
    xml mappings
61 2022-12-16 20:43:01.145 INFO 6156 --- [           main]
    c.g.d.c.b.xml.SchemaLSResourceResolver      : Trying to resolve XML entity
    with public ID [null] and system ID
    [http://dozermapper.github.io/schema/bean-mapping.xsd]
62 2022-12-16 20:43:01.146 INFO 6156 --- [           main]
    c.g.d.c.b.xml.SchemaLSResourceResolver      : Resolved public ID [null] and
    system ID [http://dozermapper.github.io/schema/bean-mapping.xsd]
63 2022-12-16 20:43:01.151 INFO 6156 --- [           main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder         : Successfully loaded custom xml
    mapping.
64 2022-12-16 20:43:01.163 INFO 6156 --- [           main]
    m.tools_log.config.LogAutoConfiguration    : 初始化 LogAutoConfiguration

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65 2022-12-16 20:43:01.168 INFO 6156 --- [           main]
    m.t.config.DozerAutoConfiguration      : 初始化 DozerAutoConfiguration
66 2022-12-16 20:43:01.183 INFO 6156 --- [           main]
    pertySourcedRequestMappingHandlerMapping : Mapped URL path [/v2/api-docs]
    onto method
    [springfox.documentation.swagger2.web.Swagger2Controller#getDocumentation(String,
    HttpServletRequest)]
67 2022-12-16 20:43:01.193 INFO 6156 --- [           main]
    m.t.config.SwaggerAutoConfiguration    : 初始化swagger接口文档
68 2022-12-16 20:43:01.193 INFO 6156 --- [           main]
    m.t.config.SwaggerAutoConfiguration    :
69 title: 在线文档
70 group:
71 description: 在线文档
72 version: 1.0
73 contact: Contact{name='', url='', email='' }
74 basePackage:
75 basePath: []
76 excludePath: []
77 docket: {sms=DocketInfo{title='短信接收服务', group='', description='在线文档',
    version='1.0', contact=Contact{name='', url='', email='' },
    basePackage='mao.sms_api.controller', basePath=[], excludePath=[]}}
78
79 2022-12-16 20:43:02.049 INFO 6156 --- [           main]
    com.alibaba.nacos.client.naming        : new ips(1) service:
    DEFAULT_GROUP@@sms-api@@DEFAULT ->
    [{"instanceId":"192.168.3.143#8771#DEFAULT#DEFAULT_GROUP@@sms-
    api","ip":"192.168.3.143","port":8771,"weight":1.0,"healthy":true,"enabled"
    :true,"ephemeral":false,"clusterName":"DEFAULT","serviceName":"DEFAULT_GROU
    P@@sms-api","metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.base-
    path":"/actuator","management.context-
    path":"/actuator"},"instanceHeartBeatInterval":5000,"instanceHeartBeatTimeO
    ut":15000,"ipDeleteTimeout":30000}]
80 2022-12-16 20:43:02.060 INFO 6156 --- [           main]
    com.alibaba.nacos.client.naming        : current ips:(1) service:
    DEFAULT_GROUP@@sms-api@@DEFAULT ->
    [{"instanceId":"192.168.3.143#8771#DEFAULT#DEFAULT_GROUP@@sms-
    api","ip":"192.168.3.143","port":8771,"weight":1.0,"healthy":true,"enabled"
    :true,"ephemeral":false,"clusterName":"DEFAULT","serviceName":"DEFAULT_GROU
    P@@sms-api","metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.base-
    path":"/actuator","management.context-
    path":"/actuator"},"instanceHeartBeatInterval":5000,"instanceHeartBeatTimeO
    ut":15000,"ipDeleteTimeout":30000}]
81 2022-12-16 20:43:02.062 INFO 6156 --- [           main]
    d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
82 2022-12-16 20:43:02.086 INFO 6156 --- [           main]
    d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation
    plugin(s)
83 2022-12-16 20:43:02.135 INFO 6156 --- [           main]
    s.d.s.w.s.ApiListingReferenceScanner    : Scanning for api listing
    references
84 2022-12-16 20:43:02.193 INFO 6156 --- [           main]
    o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8771
    (http) with context path ''

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85 2022-12-16 20:43:02.197 INFO 6156 --- [          main]
com.alibaba.nacos.client.naming          : [REGISTER-SERVICE] 2051a6a2-
ba78-4dac-85a2-f991dd5162f2 registering service DEFAULT_GROUP@@sms-api with
instance: Instance{instanceId='null', ip='192.168.3.143', port=8771,
weight=1.0, healthy=true, enabled=true, ephemeral=false,
clusterName='DEFAULT', serviceName='null', metadata=
{preserved.register.source=SPRING_CLOUD, management.endpoints.web.base-
path=/actuator, management.context-path=/actuator}}
86 2022-12-16 20:43:02.202 INFO 6156 --- [          main]
c.a.c.n.registry.NacosServiceRegistry    : nacos registry, DEFAULT_GROUP
sms-api 192.168.3.143:8771 register finished
87 2022-12-16 20:43:02.442 INFO 6156 --- [          main]
mao.sms_api.SmsApiApplication            : Started SmsApiApplication in
8.751 seconds (JVM running for 9.799)
88 2022-12-16 20:43:02.452 INFO 6156 --- [          main]
c.a.n.client.config.impl.ClientWorker    : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-api-
dev.yml+DEFAULT_GROUP+2051a6a2-ba78-4dac-85a2-f991dd5162f2
89 2022-12-16 20:43:02.453 INFO 6156 --- [          main]
c.a.nacos.client.config.impl.CacheData   : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=sms-api-dev.yml, group=DEFAULT_GROUP, cnt=1
90 2022-12-16 20:43:02.454 INFO 6156 --- [          main]
c.a.n.client.config.impl.ClientWorker    : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-api+DEFAULT_GROUP+2051a6a2-
ba78-4dac-85a2-f991dd5162f2
91 2022-12-16 20:43:02.454 INFO 6156 --- [          main]
c.a.nacos.client.config.impl.CacheData   : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=sms-api, group=DEFAULT_GROUP, cnt=1
92 2022-12-16 20:43:02.455 INFO 6156 --- [          main]
c.a.n.client.config.impl.ClientWorker    : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-
api.yml+DEFAULT_GROUP+2051a6a2-ba78-4dac-85a2-f991dd5162f2
93 2022-12-16 20:43:02.455 INFO 6156 --- [          main]
c.a.nacos.client.config.impl.CacheData   : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=sms-api.yml, group=DEFAULT_GROUP, cnt=1
94 2022-12-16 20:43:02.456 INFO 6156 --- [          main]
c.a.n.client.config.impl.ClientWorker    : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] common.yml+DEFAULT_GROUP+2051a6a2-
ba78-4dac-85a2-f991dd5162f2
95 2022-12-16 20:43:02.456 INFO 6156 --- [          main]
c.a.nacos.client.config.impl.CacheData   : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=common.yml, group=DEFAULT_GROUP, cnt=1
96 2022-12-16 20:43:02.457 INFO 6156 --- [          main]
mao.sms_api.SmsApiApplication            : 应用sms-api启动成功!swagger地址:
http://192.168.80.1:8771/doc.html
97 2022-12-16 20:43:02.457 INFO 6156 --- [          main]
mao.sms_api.SmsApiApplication            : 启动耗时: 8866ms
98 2022-12-16 20:43:02.910 INFO 6156 --- [1]-192.168.80.1] o.a.c.c.C.
[Tomcat].[localhost].[/]               : Initializing Spring DispatcherServlet
'dispatcherServlet'
99 2022-12-16 20:43:02.910 INFO 6156 --- [1]-192.168.80.1]
o.s.web.servlet.DispatcherServlet       : Initializing Servlet
'dispatcherServlet'

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100 2022-12-16 20:43:02.921 INFO 6156 --- [1]-192.168.80.1]
    o.s.web.servlet.DispatcherServlet      : Completed initialization in 11
    ms
101 2022-12-16 20:43:03.205 INFO 6156 --- [g.push.receiver]
    com.alibaba.nacos.client.naming        : received push data:
    {"type":"dom","data":{"hosts":
    [{"ip":"192.168.3.143","port":8771,"valid":true,"healthy":true,"
    marked":false,"instanceId":"192.168.3.143#DEFAULT#DEFAULT_GROUP@sms-api",
    "metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.
    base-path":"/actuator","management.context-
    path":"/actuator"},"enabled":true,"weight":1.0,"clusterName":"DEF
    AULT","serviceName":"DEFAULT_GROUP@sms-
    api","ephemeral":false}],"dom":"DEFAULT_GROUP@sms-
    api","name":"DEFAULT_GROUP@sms-
    api","cacheMillis":10000,"lastRefTime":1671194583204,"checksum":"44
    eb8f187f8ace7510a83d8e45313c55","useSpecifiedURL":false,"clusters":"D
    EFAULT","env":"","metadata":{}}","lastRefTime":180640200237200} from
    /192.168.80.1
102 2022-12-16 20:43:03.747 INFO 6156 --- [oundedElastic-1]
    io.lettuce.core.EpollProvider          : Starting without optional epoll
    library
103 2022-12-16 20:43:03.749 INFO 6156 --- [oundedElastic-1]
    io.lettuce.core.KqueueProvider         : Starting without optional kqueue
    library
104 2022-12-16 20:43:16.064 INFO 6156 --- [g.push.receiver]
    com.alibaba.nacos.client.naming        : received push data:
    {"type":"dom","data":{"hosts":
    [{"ip":"192.168.3.143","port":8771,"valid":true,"healthy":true,"
    marked":false,"instanceId":"192.168.3.143#DEFAULT#DEFAULT_GROUP@sms-api",
    "metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.
    base-path":"/actuator","management.context-
    path":"/actuator"},"enabled":true,"weight":1.0,"clusterName":"DEF
    AULT","serviceName":"DEFAULT_GROUP@sms-
    api","ephemeral":false}],"dom":"DEFAULT_GROUP@sms-
    api","name":"DEFAULT_GROUP@sms-
    api","cacheMillis":10000,"lastRefTime":1671194596064,"checksum":"44
    eb8f187f8ace7510a83d8e45313c55","useSpecifiedURL":false,"clusters":"D
    EFAULT","env":"","metadata":{}}","lastRefTime":180653060181300} from
    /192.168.80.1
105 2022-12-16 20:44:36.446 DEBUG 6156 --- [nio-8771-exec-9]
    mao.tools_xss.filter.XssFilter         : XSS fiter [XssFilter] starting
106 2022-12-16 20:44:36.446 DEBUG 6156 --- [nio-8771-exec-9]
    mao.tools_xss.filter.XssFilter         : has xssfiter path[/doc.html]
    need XssFilter, go to XssRequestWrapper
107 2022-12-16 20:44:36.487 DEBUG 6156 --- [nio-8771-exec-9]
    mao.tools_xss.filter.XssFilter         : XSS fiter [XssFilter] stop
108 2022-12-16 20:44:36.567 DEBUG 6156 --- [nio-8771-exec-1]
    mao.tools_xss.filter.XssFilter         : XSS fiter [XssFilter] starting
109 2022-12-16 20:44:36.567 DEBUG 6156 --- [nio-8771-exec-1]
    mao.tools_xss.filter.XssFilter         : has xssfiter
    path[/webjars/css/app.67f90c95.css] need XssFilter, go to XssRequestWrapper
110 2022-12-16 20:44:36.571 DEBUG 6156 --- [nio-8771-exec-2]
    mao.tools_xss.filter.XssFilter         : XSS fiter [XssFilter] starting
111 2022-12-16 20:44:36.571 DEBUG 6156 --- [nio-8771-exec-2]
    mao.tools_xss.filter.XssFilter         : has xssfiter
    path[/webjars/js/app.b1be8429.js] need XssFilter, go to XssRequestWrapper

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112 2022-12-16 20:44:36.575 DEBUG 6156 --- [nio-8771-exec-3]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] starting
113 2022-12-16 20:44:36.576 DEBUG 6156 --- [nio-8771-exec-3]
    mao.tools_xss.filter.XssFilter      : has xssfiter
    path[/webjars/js/chunk-vendors.1e55988e.js] need XssFilter, go to
    XssRequestWrapper
114 2022-12-16 20:44:36.579 DEBUG 6156 --- [nio-8771-exec-2]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] stop
115 2022-12-16 20:44:36.579 DEBUG 6156 --- [nio-8771-exec-1]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] stop
116 2022-12-16 20:44:36.620 DEBUG 6156 --- [nio-8771-exec-3]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] stop
117 2022-12-16 20:44:37.018 DEBUG 6156 --- [nio-8771-exec-4]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] starting
118 2022-12-16 20:44:37.018 DEBUG 6156 --- [nio-8771-exec-6]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] starting
119 2022-12-16 20:44:37.018 DEBUG 6156 --- [nio-8771-exec-5]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] starting
120 2022-12-16 20:44:37.018 DEBUG 6156 --- [nio-8771-exec-4]
    mao.tools_xss.filter.XssFilter      : has xssfiter path[/swagger-
    resources/configuration/ui] need XssFilter, go to XssRequestWrapper
121 2022-12-16 20:44:37.018 DEBUG 6156 --- [nio-8771-exec-5]
    mao.tools_xss.filter.XssFilter      : has xssfiter path[/swagger-
    resources] need XssFilter, go to XssRequestWrapper
122 2022-12-16 20:44:37.018 DEBUG 6156 --- [nio-8771-exec-6]
    mao.tools_xss.filter.XssFilter      : has xssfiter path[/favicon.ico]
    need XssFilter, go to XssRequestWrapper
123 2022-12-16 20:44:37.036 DEBUG 6156 --- [nio-8771-exec-6]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] stop
124 2022-12-16 20:44:37.054 DEBUG 6156 --- [nio-8771-exec-5]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] stop
125 2022-12-16 20:44:37.054 DEBUG 6156 --- [nio-8771-exec-4]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] stop
126 2022-12-16 20:44:37.085 DEBUG 6156 --- [nio-8771-exec-7]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] starting
127 2022-12-16 20:44:37.086 DEBUG 6156 --- [nio-8771-exec-7]
    mao.tools_xss.filter.XssFilter      : has xssfiter path[/v2/api-docs]
    need XssFilter, go to XssRequestWrapper
128 2022-12-16 20:44:37.091 DEBUG 6156 --- [nio-8771-exec-7]
    mao.tools_xss.utils.XssUtils        : raw value before xssClean: 短信接
    收服务
129 2022-12-16 20:44:37.140 DEBUG 6156 --- [nio-8771-exec-7]
    mao.tools_xss.utils.XssUtils        : xssfilter value after xssClean:
    短信接收服务
130 2022-12-16 20:44:37.178 DEBUG 6156 --- [nio-8771-exec-7]
    mao.tools_xss.filter.XssFilter      : XSS fiter [XSSFilter] stop
131

```

sms-manage模块

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1      .   _ _ _ _ _
2      /\ / __' - _ _ _ _ _ _ _ _ _ _ \ \ \ \
3      ( ) \__ | ' | ' | ' | ' \ / _ ` | \ \ \ \
4      \ \  __) | | ) | | | | | | | ( _ | _ ) ) ) )
5      ' | ___| . _ | | | | | | | _ \ , | / / / /
6      =====|_|=====|___/=/_/_/_/
7      :: Spring Boot ::                (v2.2.9.RELEASE)
8
9
10     2022-12-16 20:42:49.439 WARN 23296 --- [           main]
c.a.c.n.c.NacosPropertySourceBuilder : Ignore the empty nacos
configuration and get it based on dataId[sms-manage] & group[DEFAULT_GROUP]
11     2022-12-16 20:42:49.450 INFO 23296 --- [           main]
b.c.PropertySourceBootstrapConfiguration : Located property source:
[BootstrapPropertySource {name='bootstrapProperties-sms-manage-
dev.yml,DEFAULT_GROUP'}, BootstrapPropertySource
{name='bootstrapProperties-sms-manage.yml,DEFAULT_GROUP'},
BootstrapPropertySource {name='bootstrapProperties-sms-
manage,DEFAULT_GROUP'}, BootstrapPropertySource {name='bootstrapProperties-
mysql.yml,DEFAULT_GROUP'}, BootstrapPropertySource
{name='bootstrapProperties-redis.yml,DEFAULT_GROUP'},
BootstrapPropertySource {name='bootstrapProperties-
common.yml,DEFAULT_GROUP'}}]
12     2022-12-16 20:42:49.494 INFO 23296 --- [           main]
mao.sms_manage.SmsManageApplication : The following profiles are
active: dev
13     2022-12-16 20:42:50.828 INFO 23296 --- [           main]
.s.d.r.c.RepositoryConfigurationDelegate : Multiple Spring Data modules
found, entering strict repository configuration mode!
14     2022-12-16 20:42:50.833 INFO 23296 --- [           main]
.s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data Redis
repositories in DEFAULT mode.
15     2022-12-16 20:42:50.872 INFO 23296 --- [           main]
.s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository
scanning in 9ms. Found 0 Redis repository interfaces.
16     2022-12-16 20:42:50.964 WARN 23296 --- [           main]
o.s.boot.actuate.endpoint.EndpointId : Endpoint ID 'service-registry'
contains invalid characters, please migrate to a valid format.
17     2022-12-16 20:42:51.078 WARN 23296 --- [           main]
o.m.s.mapper.ClassPathMapperScanner : No MyBatis mapper was found in
'[mao.sms_manage]' package. Please check your configuration.
18     2022-12-16 20:42:51.150 INFO 23296 --- [           main]
o.s.cloud.context.scope.GenericScope : BeanFactory id=9457fa47-ac20-
3993-bdfa-bbc998a4b9e4
19     2022-12-16 20:42:51.326 INFO 23296 --- [           main]
trationDelegate$BeanPostProcessorChecker : Bean
'org.springframework.transaction.annotation.ProxyTransactionManagementConfi
guration' of type
[org.springframework.transaction.annotation.ProxyTransactionManagementConfi
guration] is not eligible for getting processed by all BeanPostProcessors
(for example: not eligible for auto-proxying)
20     2022-12-16 20:42:51.873 INFO 23296 --- [           main]
o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s):
8770 (http)

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21 2022-12-16 20:42:51.889 INFO 23296 --- [          main]
    o.apache.catalina.core.StandardService : Starting service [Tomcat]
22 2022-12-16 20:42:51.889 INFO 23296 --- [          main]
    org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache
    Tomcat/9.0.37]
23 2022-12-16 20:42:52.044 INFO 23296 --- [          main] o.a.c.c.C.
    [Tomcat].[localhost].[/] : Initializing Spring embedded
    WebApplicationContext
24 2022-12-16 20:42:52.044 INFO 23296 --- [          main]
    w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext:
    initialization completed in 2537 ms
25 2022-12-16 20:42:52.068 INFO 23296 --- [          main]
    m.tools_xss.config.XssAuthConfiguration : 初始化 XssAuthConfiguration xss攻
    击配置
26 2022-12-16 20:42:52.184 WARN 23296 --- [          main]
    c.n.c.sources.URLConfigurationSource : No URLs will be polled as
    dynamic configuration sources.
27 2022-12-16 20:42:52.184 INFO 23296 --- [          main]
    c.n.c.sources.URLConfigurationSource : To enable URLs as dynamic
    configuration sources, define system property
    archaius.configurationSource.additionalUrls or make config.properties
    available on classpath.
28 2022-12-16 20:42:52.198 INFO 23296 --- [          main]
    c.netflix.config.DynamicPropertyFactory : DynamicPropertyFactory is
    initialized with configuration sources:
    com.netflix.config.ConcurrentCompositeConfiguration@37af24cb
29 2022-12-16 20:42:52.309 DEBUG 23296 --- [          main]
    mao.tools_xss.filter.XssFilter : XSS fiter [XSSFilter] init start
    ...
30 2022-12-16 20:42:52.408 DEBUG 23296 --- [          main]
    mao.tools_xss.filter.XssFilter : ignorePathList=null
31 2022-12-16 20:42:52.412 DEBUG 23296 --- [          main]
    mao.tools_xss.filter.XssFilter : ignoreParamValueList=
    ["samIp:LogoutRequest"]
32 2022-12-16 20:42:52.413 DEBUG 23296 --- [          main]
    mao.tools_xss.filter.XssFilter : XSS fiter [XSSFilter] init end
33 2022-12-16 20:42:53.218 INFO 23296 --- [          main]
    com.alibaba.nacos.client.naming : initializer namespace from
    System Property :null
34 2022-12-16 20:42:53.218 INFO 23296 --- [          main]
    com.alibaba.nacos.client.naming : initializer namespace from
    System Environment :null
35 2022-12-16 20:42:53.219 INFO 23296 --- [          main]
    com.alibaba.nacos.client.naming : initializer namespace from
    System Property :null
36 2022-12-16 20:42:53.257 INFO 23296 --- [          main]
    c.a.d.s.b.a.DruidDataSourceAutoConfigure : Init DruidDataSource
37 2022-12-16 20:42:54.130 INFO 23296 --- [          main]
    com.alibaba.druid.pool.DruidDataSource : {dataSource-1} inited
38 2022-12-16 20:42:54.574 INFO 23296 --- [          main]
    o.s.b.a.e.web.EndpointLinksResolver : Exposing 20 endpoint(s) beneath
    base path '/actuator'
39 2022-12-16 20:42:54.654 WARN 23296 --- [          main]
    c.n.c.sources.URLConfigurationSource : No URLs will be polled as
    dynamic configuration sources.

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40 2022-12-16 20:42:54.654 INFO 23296 --- [          main]
    c.n.c.sources.URLConfigurationSource      : To enable URLs as dynamic
    configuration sources, define System property
    archaius.configurationSource.additionalUrls or make config.properties
    available on classpath.
41 2022-12-16 20:42:54.813 INFO 23296 --- [          main]
    o.s.s.concurrent.ThreadPoolTaskExecutor  : Initializing ExecutorService
    'applicationTaskExecutor'
42 2022-12-16 20:42:54.946 INFO 23296 --- [          main]
    o.s.s.c.ThreadPoolTaskScheduler          : Initializing ExecutorService
    'Nacos-Watch-Task-Scheduler'
43 2022-12-16 20:42:55.449 INFO 23296 --- [          main]
    mao.tools_log.utils.AddressUtil          : bean
    [org.lionsoul.ip2region.DbConfig@356f20b7]
44 2022-12-16 20:42:55.449 INFO 23296 --- [          main]
    mao.tools_log.utils.AddressUtil          : bean
    [org.lionsoul.ip2region.DbSearcher@6f4adaab]
45 2022-12-16 20:42:55.500 DEBUG 23296 --- [          main]
    mao.tools_xss.utils.XssUtils             : start read XSS configfile
    [antisamy-slashdot-1.4.4.xml]
46 2022-12-16 20:42:55.509 DEBUG 23296 --- [          main]
    mao.tools_xss.utils.XssUtils             : read XSS configfile [antisamy-
    slashdot-1.4.4.xml] success
47 _ _ | _ _ _ | _ _ _ _ | _ _
48 | | | \ | _ ) ( | | | _ \ | _ ) | | _ | _ \
49 / |
50
51 2022-12-16 20:42:55.588 INFO 23296 --- [          main]
    c.g.d.core.DozerBeanMapperBuilder        : Initializing Dozer. Version:
    6.5.0, Thread Name: main
52 2022-12-16 20:42:55.590 INFO 23296 --- [          main]
    c.g.dozermapper.core.util.RuntimeUtils    : OSGi support is false
53 2022-12-16 20:42:55.596 INFO 23296 --- [          main]
    d.c.c.r.LegacyPropertiesSettingsResolver  : Trying to find Dozer
    configuration file: dozer.properties
54 2022-12-16 20:42:55.601 INFO 23296 --- [          main]
    d.c.c.r.LegacyPropertiesSettingsResolver  : Failed to find dozer.properties
    via
    com.github.dozermapper.core.config.resolvers.LegacyPropertiesSettingsResolv
    er.
55 2022-12-16 20:42:55.609 INFO 23296 --- [          main]
    c.g.d.core.el.ELExpressionFactory        : javax.el support is true
56 2022-12-16 20:42:55.725 INFO 23296 --- [          main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder      : Using URL
    [file:/H:/%e7%a8%8b%e5%ba%8f/%e5%a4%a7%e5%9b%9b%e4%b8%8a%e6%9c%9f/sms-
    backend/apps/sms/sms-manage/target/classes/dozer/global.dozer.xml] to load
    custom xml mappings
57 2022-12-16 20:42:56.145 INFO 23296 --- [          main]
    c.g.d.c.b.xml.SchemaLSResourceResolver    : Trying to resolve XML entity
    with public ID [null] and system ID
    [http://dozermapper.github.io/schema/bean-mapping.xsd]
58 2022-12-16 20:42:56.148 INFO 23296 --- [          main]
    c.g.d.c.b.xml.SchemaLSResourceResolver    : Resolved public ID [null] and
    system ID [http://dozermapper.github.io/schema/bean-mapping.xsd]
59 2022-12-16 20:42:56.190 INFO 23296 --- [          main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder      : Successfully loaded custom xml
    mapping.

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60 2022-12-16 20:42:56.191 INFO 23296 --- [          main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder      : Using URL
    [file:/H:/%e7%a8%8b%e5%ba%8f/%e5%a4%a7%e5%9b%9b%e4%b8%8a%e6%9c%9f/sms-
    backend/apps/sms/sms-manage/target/classes/dozer/biz.dozer.xml] to load
    custom xml mappings
61 2022-12-16 20:42:56.193 INFO 23296 --- [          main]
    c.g.d.c.b.xml.SchemaLSResourceResolver   : Trying to resolve XML entity
    with public ID [null] and system ID
    [http://dozermapper.github.io/schema/bean-mapping.xsd]
62 2022-12-16 20:42:56.194 INFO 23296 --- [          main]
    c.g.d.c.b.xml.SchemaLSResourceResolver   : Resolved public ID [null] and
    system ID [http://dozermapper.github.io/schema/bean-mapping.xsd]
63 2022-12-16 20:42:56.199 INFO 23296 --- [          main]
    c.g.d.c.b.xml.BeanMappingXMLBuilder      : Successfully loaded custom xml
    mapping.
64 2022-12-16 20:42:56.212 INFO 23296 --- [          main]
    m.tools_log.config.LogAutoConfiguration : 初始化 LogAutoConfiguration
65 2022-12-16 20:42:56.218 INFO 23296 --- [          main]
    m.t.config.DozerAutoConfiguration        : 初始化 DozerAutoConfiguration
66 2022-12-16 20:42:56.236 INFO 23296 --- [          main]
    pertySourcedRequestMappingHandlerMapping : Mapped URL path [/v2/api-docs]
    onto method
    [springfox.documentation.swagger2.web.Swagger2Controller#getDocumentation(S
    tring, HttpServletRequest)]
67 2022-12-16 20:42:56.246 INFO 23296 --- [          main]
    m.t.config.SwaggerAutoConfiguration      : 初始化swagger接口文档
68 2022-12-16 20:42:56.247 INFO 23296 --- [          main]
    m.t.config.SwaggerAutoConfiguration      :
69 title: 在线文档
70 group:
71 description: 在线文档
72 version: 1.0
73 contact: Contact{name='', url='', email='' }
74 basePackage:
75 basePath: []
76 excludePath: []
77 docket: {sms=DocketInfo{title='短信平台管理服务', group='', description='在线文
    档', version='1.0', contact=Contact{name='', url='', email='' },
    basePackage='mao.sms_manage.controller', basePath=[], excludePath=[]}}
78
79 2022-12-16 20:42:57.173 INFO 23296 --- [          main]
    com.alibaba.nacos.client.naming          : new ips(1) service:
    DEFAULT_GROUP@@sms-manage@@DEFAULT ->
    [{"instanceId":"192.168.3.143#8770#DEFAULT#DEFAULT_GROUP@@sms-
    manage","ip":"192.168.3.143","port":8770,"weight":1.0,"healthy":true,"enabl
    ed":true,"ephemeral":false,"clusterName":"DEFAULT","serviceName":"DEFAULT_G
    ROUP@@sms-manage","metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.base-
    path":"/actuator","management.context-
    path":"/actuator"},"instanceHeartBeatInterval":5000,"ipDeleteTimeout":30000
    ,"instanceHeartBeatTimeout":15000}]

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80 2022-12-16 20:42:57.183 INFO 23296 --- [          main]
    com.alibaba.nacos.client.naming          : current ips:(1) service:
    DEFAULT_GROUP@@sms-manage@@DEFAULT ->
    [{"instanceId":"192.168.3.143#8770#DEFAULT#DEFAULT_GROUP@@sms-
    manage","ip":"192.168.3.143","port":8770,"weight":1.0,"healthy":true,"enabl
    ed":true,"ephemeral":false,"clusterName":"DEFAULT","serviceName":"DEFAULT_G
    ROUP@@sms-manage","metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.base-
    path":"/actuator","management.context-
    path":"/actuator"},"instanceHeartBeatInterval":5000,"ipDeleteTimeout":30000
    ,"instanceHeartBeatTimeout":15000}]
81 2022-12-16 20:42:57.185 INFO 23296 --- [          main]
    d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
82 2022-12-16 20:42:57.210 INFO 23296 --- [          main]
    d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation
    plugin(s)
83 2022-12-16 20:42:57.263 INFO 23296 --- [          main]
    s.d.s.w.s.ApiListingReferenceScanner      : Scanning for api listing
    references
84 2022-12-16 20:42:57.320 INFO 23296 --- [          main]
    o.s.b.w.embedded.tomcat.TomcatWebServer   : Tomcat started on port(s): 8770
    (http) with context path ''
85 2022-12-16 20:42:57.324 INFO 23296 --- [          main]
    com.alibaba.nacos.client.naming          : [REGISTER-SERVICE] 2051a6a2-
    ba78-4dac-85a2-f991dd5162f2 registering service DEFAULT_GROUP@@sms-manage
    with instance: Instance{instanceId='null', ip='192.168.3.143', port=8770,
    weight=1.0, healthy=true, enabled=true, ephemeral=false,
    clusterName='DEFAULT', serviceName='null', metadata=
    {preserved.register.source=SPRING_CLOUD, management.endpoints.web.base-
    path=/actuator, management.context-path=/actuator}}
86 2022-12-16 20:42:57.328 INFO 23296 --- [          main]
    c.a.c.n.registry.NacosServiceRegistry     : nacos registry, DEFAULT_GROUP
    sms-manage 192.168.3.143:8770 register finished
87 2022-12-16 20:42:57.576 INFO 23296 --- [          main]
    mao.sms_manage.SmsManageApplication      : Started SmsManageApplication in
    9.749 seconds (JVM running for 11.009)
88 2022-12-16 20:42:57.584 INFO 23296 --- [          main]
    c.a.n.client.config.impl.Clientworker     : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-manage-
    dev.yml+DEFAULT_GROUP+2051a6a2-ba78-4dac-85a2-f991dd5162f2
89 2022-12-16 20:42:57.585 INFO 23296 --- [          main]
    c.a.nacos.client.config.impl.CacheData    : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
    85a2-f991dd5162f2, dataId=sms-manage-dev.yml, group=DEFAULT_GROUP, cnt=1
90 2022-12-16 20:42:57.587 INFO 23296 --- [          main]
    c.a.n.client.config.impl.Clientworker     : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-
    manage.yml+DEFAULT_GROUP+2051a6a2-ba78-4dac-85a2-f991dd5162f2
91 2022-12-16 20:42:57.587 INFO 23296 --- [          main]
    c.a.nacos.client.config.impl.CacheData    : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
    85a2-f991dd5162f2, dataId=sms-manage.yml, group=DEFAULT_GROUP, cnt=1
92 2022-12-16 20:42:57.589 INFO 23296 --- [          main]
    c.a.n.client.config.impl.Clientworker     : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [subscribe] common.yml+DEFAULT_GROUP+2051a6a2-
    ba78-4dac-85a2-f991dd5162f2

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93 2022-12-16 20:42:57.589 INFO 23296 --- [          main]
    c.a.nacos.client.config.impl.CacheData      : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
    85a2-f991dd5162f2, dataId=common.yml, group=DEFAULT_GROUP, cnt=1
94 2022-12-16 20:42:57.589 INFO 23296 --- [          main]
    c.a.n.client.config.impl.ClientWorker       : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-manage+DEFAULT_GROUP+2051a6a2-
    ba78-4dac-85a2-f991dd5162f2
95 2022-12-16 20:42:57.589 INFO 23296 --- [          main]
    c.a.nacos.client.config.impl.CacheData      : [fixed-127.0.0.1_8848-2051a6a2-
    ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
    85a2-f991dd5162f2, dataId=sms-manage, group=DEFAULT_GROUP, cnt=1
96 2022-12-16 20:42:57.590 INFO 23296 --- [          main]
    mao.sms_manage.SmsManageApplication        : 应用sms-manage启动成功!swagger地
    址: http://192.168.80.1:8770/doc.html
97 2022-12-16 20:42:57.590 INFO 23296 --- [          main]
    mao.sms_manage.SmsManageApplication        : 启动耗时: 9886ms
98 2022-12-16 20:42:58.144 INFO 23296 --- [1]-192.168.80.1] o.a.c.c.C.
    [Tomcat].[localhost].[/]                  : Initializing Spring DispatcherServlet
    'dispatcherServlet'
99 2022-12-16 20:42:58.144 INFO 23296 --- [1]-192.168.80.1]
    o.s.web.servlet.DispatcherServlet          : Initializing Servlet
    'dispatcherServlet'
100 2022-12-16 20:42:58.155 INFO 23296 --- [1]-192.168.80.1]
    o.s.web.servlet.DispatcherServlet          : Completed initialization in 11
    ms
101 2022-12-16 20:42:58.345 INFO 23296 --- [g.push.receiver]
    com.alibaba.nacos.client.naming            : received push data:
    {"type":"dom","data":{"hosts":
    [{"ip":"192.168.3.143","port":8770,"valid":true,"healthy":true,"
    marked":false,"instanceId":"192.168.3.143#8770#DEFAULT#DEFAULT_GROUP@sms-
    manage","metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.
    base-path":"/actuator","management.context-
    path":"/actuator"},"enabled":true,"weight":1.0,"clusterName":"DEF
    AULT","serviceName":"DEFAULT_GROUP@sms-
    manage","ephemeral":false}],"dom":"DEFAULT_GROUP@sms-
    manage","name":"DEFAULT_GROUP@sms-
    manage","cacheMillis":10000,"lastRefTime":1671194578344,"checksum":"
    beb7538730afb0f349225726f0d7e28f","useSpecifiedURL":false,"clusters":
    ["DEFAULT"],"env":"","metadata":{}},"lastRefTime":180635340492800}
    from /192.168.80.1
102 2022-12-16 20:42:58.659 INFO 23296 --- [oundedElastic-1]
    io.lettuce.core.EpollProvider              : Starting without optional epoll
    library
103 2022-12-16 20:42:58.661 INFO 23296 --- [oundedElastic-1]
    io.lettuce.core.KqueueProvider             : Starting without optional kqueue
    library

```

```

104 2022-12-16 20:43:10.379 INFO 23296 --- [g.push.receiver]
com.alibaba.nacos.client.naming : received push data:
{"type":"dom","data":{"hosts":
[{"ip":"192.168.3.143","port":8770,"valid":true,"healthy":true,"
marked":false,"instanceId":"192.168.3.143#8770#DEFAULT#DEFAULT_GROUP@sms-manage","metadata":
{"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.
base-path":"/actuator","management.context-
path":"/actuator"},"enabled":true,"weight":1.0,"clusterName":"DEF
AULT","serviceName":"DEFAULT_GROUP@sms-
manage","ephemeral":false}], "dom":"DEFAULT_GROUP@sms-
manage","name":"DEFAULT_GROUP@sms-
manage","cacheMillis":10000,"lastRefTime":1671194590378,"checksum":"
beb7538730afb0f349225726f0d7e28f","useSpecifiedURL":false,"clusters":
"DEFAULT","env":"","metadata":{"}}","lastRefTime":180647374277700}
from /192.168.80.1
105 2022-12-16 20:44:45.445 DEBUG 23296 --- [nio-8770-exec-4]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] starting
106 2022-12-16 20:44:45.445 DEBUG 23296 --- [nio-8770-exec-4]
mao.tools_xss.filter.XssFilter : has xssfiter path[/doc.html]
need XssFilter, go to XssRequestWrapper
107 2022-12-16 20:44:45.491 DEBUG 23296 --- [nio-8770-exec-4]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] stop
108 2022-12-16 20:44:45.569 DEBUG 23296 --- [nio-8770-exec-5]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] starting
109 2022-12-16 20:44:45.570 DEBUG 23296 --- [nio-8770-exec-5]
mao.tools_xss.filter.XssFilter : has xssfiter
path[/webjars/css/app.67f90c95.css] need XssFilter, go to XssRequestWrapper
110 2022-12-16 20:44:45.571 DEBUG 23296 --- [nio-8770-exec-6]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] starting
111 2022-12-16 20:44:45.571 DEBUG 23296 --- [nio-8770-exec-6]
mao.tools_xss.filter.XssFilter : has xssfiter
path[/webjars/js/app.b1be8429.js] need XssFilter, go to XssRequestWrapper
112 2022-12-16 20:44:45.572 DEBUG 23296 --- [nio-8770-exec-7]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] starting
113 2022-12-16 20:44:45.572 DEBUG 23296 --- [nio-8770-exec-7]
mao.tools_xss.filter.XssFilter : has xssfiter
path[/webjars/js/chunk-vendors.1e55988e.js] need XssFilter, go to
XssRequestWrapper
114 2022-12-16 20:44:45.579 DEBUG 23296 --- [nio-8770-exec-6]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] stop
115 2022-12-16 20:44:45.582 DEBUG 23296 --- [nio-8770-exec-5]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] stop
116 2022-12-16 20:44:45.616 DEBUG 23296 --- [nio-8770-exec-7]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] stop
117 2022-12-16 20:44:46.017 DEBUG 23296 --- [nio-8770-exec-9]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] starting
118 2022-12-16 20:44:46.017 DEBUG 23296 --- [nio-8770-exec-9]
mao.tools_xss.filter.XssFilter : has xssfiter path[/swagger-
resources/configuration/ui] need XssFilter, go to XssRequestWrapper
119 2022-12-16 20:44:46.032 DEBUG 23296 --- [io-8770-exec-10]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] starting
120 2022-12-16 20:44:46.032 DEBUG 23296 --- [io-8770-exec-10]
mao.tools_xss.filter.XssFilter : has xssfiter path[/swagger-
resources] need XssFilter, go to XssRequestWrapper
121 2022-12-16 20:44:46.039 DEBUG 23296 --- [nio-8770-exec-1]
mao.tools_xss.filter.XssFilter : XSS fiter [XssFilter] starting

```

```

122 2022-12-16 20:44:46.039 DEBUG 23296 --- [nio-8770-exec-1]
    mao.tools_xss.filter.XssFilter      : has xssfilter path[/favicon.ico]
    need XssFilter, go to XssRequestWrapper
123 2022-12-16 20:44:46.050 DEBUG 23296 --- [io-8770-exec-10]
    mao.tools_xss.filter.XssFilter      : xss filter [XssFilter] stop
124 2022-12-16 20:44:46.050 DEBUG 23296 --- [nio-8770-exec-9]
    mao.tools_xss.filter.XssFilter      : xss filter [XssFilter] stop
125 2022-12-16 20:44:46.054 DEBUG 23296 --- [nio-8770-exec-1]
    mao.tools_xss.filter.XssFilter      : xss filter [XssFilter] stop
126 2022-12-16 20:44:46.081 DEBUG 23296 --- [nio-8770-exec-2]
    mao.tools_xss.filter.XssFilter      : xss filter [XssFilter] starting
127 2022-12-16 20:44:46.081 DEBUG 23296 --- [nio-8770-exec-2]
    mao.tools_xss.filter.XssFilter      : has xssfilter path[/v2/api-docs]
    need XssFilter, go to XssRequestWrapper
128 2022-12-16 20:44:46.087 DEBUG 23296 --- [nio-8770-exec-2]
    mao.tools_xss.utils.XssUtils        : raw value before xssClean: 短信平
    台管理服务
129 2022-12-16 20:44:46.133 DEBUG 23296 --- [nio-8770-exec-2]
    mao.tools_xss.utils.XssUtils        : xssfilter value after xssClean:
    短信平台管理服务
130 2022-12-16 20:44:46.171 DEBUG 23296 --- [nio-8770-exec-2]
    mao.tools_xss.filter.XssFilter      : xss filter [XssFilter] stop
131

```

sms-server模块

[illegible]

```

13 2022-12-16 20:42:44.411 INFO 340 --- [          main]
    .s.d.r.c.RepositoryConfigurationDelegate : Multiple Spring Data modules
    found, entering strict repository configuration mode!
14 2022-12-16 20:42:44.414 INFO 340 --- [          main]
    .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data Redis
    repositories in DEFAULT mode.
15 2022-12-16 20:42:44.439 INFO 340 --- [          main]
    .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository
    scanning in 7ms. Found 0 Redis repository interfaces.
16 2022-12-16 20:42:44.516 WARN 340 --- [          main]
    o.s.boot.actuate.endpoint.EndpointId      : Endpoint ID 'service-registry'
    contains invalid characters, please migrate to a valid format.
17 2022-12-16 20:42:44.591 WARN 340 --- [          main]
    o.m.s.mapper.ClassPathMapperScanner       : No MyBatis mapper was found in
    '[mao.sms_server]' package. Please check your configuration.
18 2022-12-16 20:42:44.673 INFO 340 --- [          main]
    o.s.cloud.context.scope.GenericScope      : BeanFactory id=90d521b8-4995-
    30fe-9181-9043e8d09894
19 2022-12-16 20:42:44.844 INFO 340 --- [          main]
    trationDelegate$BeanPostProcessorChecker : Bean
    'org.springframework.transaction.annotation.ProxyTransactionManagementConfig
    uration' of type
    [org.springframework.transaction.annotation.ProxyTransactionManagementConfig
    uration] is not eligible for getting processed by all BeanPostProcessors
    (for example: not eligible for auto-proxying)
20 2022-12-16 20:42:45.263 INFO 340 --- [          main]
    o.s.b.w.embedded.tomcat.TomcatWebServer   : Tomcat initialized with port(s):
    8772 (http)
21 2022-12-16 20:42:45.271 INFO 340 --- [          main]
    o.apache.catalina.core.StandardService    : Starting service [Tomcat]
22 2022-12-16 20:42:45.272 INFO 340 --- [          main]
    org.apache.catalina.core.StandardEngine   : Starting Servlet engine: [Apache
    Tomcat/9.0.37]
23 2022-12-16 20:42:45.405 INFO 340 --- [          main] o.a.c.c.C.[Tomcat].
    [localhost].[/] : Initializing Spring embedded WebApplicationContext
24 2022-12-16 20:42:45.405 INFO 340 --- [          main]
    w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext:
    initialization completed in 2118 ms
25 2022-12-16 20:42:45.527 WARN 340 --- [          main]
    c.n.c.sources.URLConfigurationSource      : No URLs will be polled as dynamic
    configuration sources.
26 2022-12-16 20:42:45.527 INFO 340 --- [          main]
    c.n.c.sources.URLConfigurationSource      : To enable URLs as dynamic
    configuration sources, define System property
    archaius.configurationSource.additionalUrls or make config.properties
    available on classpath.
27 2022-12-16 20:42:45.537 INFO 340 --- [          main]
    c.netflix.config.DynamicPropertyFactory   : DynamicPropertyFactory is
    initialized with configuration sources:
    com.netflix.config.ConcurrentCompositeConfiguration@3b9ac754
28 2022-12-16 20:42:46.404 INFO 340 --- [          main]
    com.alibaba.nacos.client.naming           : initializer namespace from System
    Property :null
29 2022-12-16 20:42:46.405 INFO 340 --- [          main]
    com.alibaba.nacos.client.naming           : initializer namespace from System
    Environment :null

```

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30 2022-12-16 20:42:46.406 INFO 340 --- [main]
com.alibaba.nacos.client.naming : initializer namespace from System
Property :null
31 2022-12-16 20:42:46.449 INFO 340 --- [main]
c.a.d.s.b.a.DruidDataSourceAutoConfigure : Init DruidDataSource
32 2022-12-16 20:42:47.203 INFO 340 --- [main]
com.alibaba.druid.pool.DruidDataSource : {dataSource-1} initied
33 2022-12-16 20:42:47.858 INFO 340 --- [main]
o.s.b.a.e.web.EndpointLinksResolver : Exposing 20 endpoint(s) beneath
base path '/actuator'
34 2022-12-16 20:42:47.967 WARN 340 --- [main]
c.n.c.sources.URLConfigurationSource : No URLs will be polled as dynamic
configuration sources.
35 2022-12-16 20:42:47.967 INFO 340 --- [main]
c.n.c.sources.URLConfigurationSource : To enable URLs as dynamic
configuration sources, define System property
archaius.configurationSource.additionalUrls or make config.properties
available on classpath.
36 2022-12-16 20:42:48.154 INFO 340 --- [main]
o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService
'applicationTaskExecutor'
37 2022-12-16 20:42:48.300 INFO 340 --- [main]
o.s.s.c.ThreadPoolTaskScheduler : Initializing ExecutorService
'Nacos-watch-Task-Scheduler'
38 2022-12-16 20:42:48.752 INFO 340 --- [main]
mao.tools_log.utils.AddressUtil : bean
[org.lionsoul.ip2region.DbConfig@3c4059a]
39 2022-12-16 20:42:48.752 INFO 340 --- [main]
mao.tools_log.utils.AddressUtil : bean
[org.lionsoul.ip2region.DbSearcher@4b336cc8]
40 _ _ | _ _ _ | _ _ _ _ _
41 | | | \ | | | | | | | | | | | | |
42 / |
43 3.2.0
44 2022-12-16 20:42:48.813 INFO 340 --- [main]
m.tools_log.config.LogAutoConfiguration : 初始化 LogAutoConfiguration
45 2022-12-16 20:42:48.837 INFO 340 --- [main]
pertySourcedRequestMappingHandlerMapping : Mapped URL path [/v2/api-docs]
onto method
[springfox.documentation.swagger2.web.Swagger2Controller#getDocumentation(St
ring, HttpServletRequest)]
46 2022-12-16 20:42:48.850 INFO 340 --- [main]
m.t.config.SwaggerAutoConfiguration : 初始化swagger接口文档
47 2022-12-16 20:42:48.851 INFO 340 --- [main]
m.t.config.SwaggerAutoConfiguration :
48 title: 在线文档
49 group:
50 description: 在线文档
51 version: 1.0
52 contact: Contact{name='', url='', email='' }
53 basePackage:
54 basePath: []
55 excludePath: []
56 docket: {sms=DocketInfo{title='短信发送服务', group='', description='在线文档',
version='1.0', contact=Contact{name='', url='', email='' },
basePackage='mao.sms_server.controller', basePath=[], excludePath=[]}}
57

```



```

58 2022-12-16 20:42:49.897 INFO 340 --- [           main]
com.alibaba.nacos.client.naming      : new ips(1) service:
DEFAULT_GROUP@@sms-server@@DEFAULT ->
[{"instanceId":"192.168.3.143#8772#DEFAULT#DEFAULT_GROUP@@sms-
server","ip":"192.168.3.143","port":8772,"weight":1.0,"healthy":true,"enable
d":true,"ephemeral":false,"clusterName":"DEFAULT","serviceName":"DEFAULT_GRO
UP@@sms-server","metadata":
{"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.base-
path":"/actuator","management.context-
path":"/actuator"},"ipDeleteTimeout":30000,"instanceHeartBeatInterval":5000,
"instanceHeartBeatTimeout":15000}]
59 2022-12-16 20:42:49.906 INFO 340 --- [           main]
com.alibaba.nacos.client.naming      : current ips:(1) service:
DEFAULT_GROUP@@sms-server@@DEFAULT ->
[{"instanceId":"192.168.3.143#8772#DEFAULT#DEFAULT_GROUP@@sms-
server","ip":"192.168.3.143","port":8772,"weight":1.0,"healthy":true,"enable
d":true,"ephemeral":false,"clusterName":"DEFAULT","serviceName":"DEFAULT_GRO
UP@@sms-server","metadata":
{"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.base-
path":"/actuator","management.context-
path":"/actuator"},"ipDeleteTimeout":30000,"instanceHeartBeatInterval":5000,
"instanceHeartBeatTimeout":15000}]
60 2022-12-16 20:42:49.909 INFO 340 --- [           main]
d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
61 2022-12-16 20:42:49.934 INFO 340 --- [           main]
d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation
plugin(s)
62 2022-12-16 20:42:49.983 INFO 340 --- [           main]
s.d.s.w.s.ApiListingReferenceScanner   : Scanning for api listing
references
63 2022-12-16 20:42:50.037 INFO 340 --- [           main]
o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8772
(http) with context path ''
64 2022-12-16 20:42:50.040 INFO 340 --- [           main]
com.alibaba.nacos.client.naming      : [REGISTER-SERVICE] 2051a6a2-ba78-
4dac-85a2-f991dd5162f2 registering service DEFAULT_GROUP@@sms-server with
instance: Instance{instanceId='null', ip='192.168.3.143', port=8772,
weight=1.0, healthy=true, enabled=true, ephemeral=false,
clusterName='DEFAULT', serviceName='null', metadata=
{preserved.register.source=SPRING_CLOUD, management.endpoints.web.base-
path=/actuator, management.context-path=/actuator}}
65 2022-12-16 20:42:50.045 INFO 340 --- [           main]
c.a.c.n.registry.NacosServiceRegistry : nacos registry, DEFAULT_GROUP
sms-server 192.168.3.143:8772 register finished
66 2022-12-16 20:42:50.315 INFO 340 --- [           main]
mao.sms_server.SmsServerApplication   : Started SmsServerApplication in
8.559 seconds (JVM running for 9.582)
67 2022-12-16 20:42:50.324 INFO 340 --- [           main]
c.a.n.client.config.impl.ClientWorker  : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-
server.yml+DEFAULT_GROUP+2051a6a2-ba78-4dac-85a2-f991dd5162f2
68 2022-12-16 20:42:50.325 INFO 340 --- [           main]
c.a.nacos.client.config.impl.CacheData : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=sms-server.yml, group=DEFAULT_GROUP, cnt=1

```



```

69 2022-12-16 20:42:50.325 INFO 340 --- [main]
c.a.n.client.config.impl.ClientWorker : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-server+DEFAULT_GROUP+2051a6a2-
ba78-4dac-85a2-f991dd5162f2
70 2022-12-16 20:42:50.325 INFO 340 --- [main]
c.a.nacos.client.config.impl.CacheData : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=sms-server, group=DEFAULT_GROUP, cnt=1
71 2022-12-16 20:42:50.331 INFO 340 --- [main]
c.a.n.client.config.impl.ClientWorker : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] sms-server-
dev.yml+DEFAULT_GROUP+2051a6a2-ba78-4dac-85a2-f991dd5162f2
72 2022-12-16 20:42:50.331 INFO 340 --- [main]
c.a.nacos.client.config.impl.CacheData : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=sms-server-dev.yml, group=DEFAULT_GROUP, cnt=1
73 2022-12-16 20:42:50.334 INFO 340 --- [main]
c.a.n.client.config.impl.ClientWorker : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [subscribe] common.yml+DEFAULT_GROUP+2051a6a2-
ba78-4dac-85a2-f991dd5162f2
74 2022-12-16 20:42:50.334 INFO 340 --- [main]
c.a.nacos.client.config.impl.CacheData : [fixed-127.0.0.1_8848-2051a6a2-
ba78-4dac-85a2-f991dd5162f2] [add-listener] ok, tenant=2051a6a2-ba78-4dac-
85a2-f991dd5162f2, dataId=common.yml, group=DEFAULT_GROUP, cnt=1
75 2022-12-16 20:42:50.334 INFO 340 --- [main]
mao.sms_server.SmsServerApplication : 应用sms-server启动成功!swagger地址:
http://192.168.80.1:8772/doc.html
76 2022-12-16 20:42:50.335 INFO 340 --- [main]
mao.sms_server.SmsServerApplication : 启动耗时: 8670ms
77 2022-12-16 20:42:50.576 INFO 340 --- [3]-192.168.80.1] o.a.c.c.C.[Tomcat].
[localhost].[/] : Initializing Spring DispatcherServlet
'dispatcherServlet'
78 2022-12-16 20:42:50.576 INFO 340 --- [3]-192.168.80.1]
o.s.web.servlet.DispatcherServlet : Initializing Servlet
'dispatcherServlet'
79 2022-12-16 20:42:50.589 INFO 340 --- [3]-192.168.80.1]
o.s.web.servlet.DispatcherServlet : Completed initialization in 12 ms
80 2022-12-16 20:42:51.046 INFO 340 --- [g.push.receiver]
com.alibaba.nacos.client.naming : received push data:
{"type":"dom","data":{"hosts\":[{"ip":"192.168.3.143","port":8772,"valid":true,"healthy":true,"m
arked":false,"instanceId":"192.168.3.143#8772#DEFAULT#DEFAULT_GROUP@@sms
-server","metadata":{"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.b
ase-path":"/actuator","management.context-
path":"/actuator"},"enabled":true,"weight":1.0,"clusterName":"DEFAULT",
"serviceName":"DEFAULT_GROUP@@sms-
server","ephemeral":false}],"dom":"DEFAULT_GROUP@@sms-
server","name":"DEFAULT_GROUP@@sms-
server","cacheMillis":10000,"lastRefTime":1671194571045,"checksum":"
f7ab6bdb923fe012871fa967df00e68","usespecifiedURL":false,"clusters":"
DEFAULT","env":"","metadata":{}}},"lastRefTime":180628041518200} from
/192.168.80.1
81 2022-12-16 20:42:51.148 INFO 340 --- [oundedElastic-1]
io.lettuce.core.EpollProvider : Starting without optional epoll
library

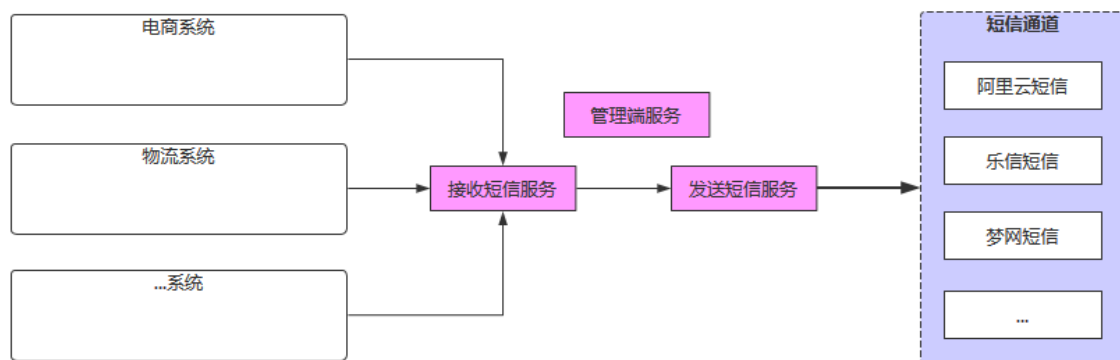
```

```

82 2022-12-16 20:42:51.149 INFO 340 --- [oundedElastic-1]
    io.lettuce.core.KqueueProvider          : Starting without optional kqueue
    library
83 2022-12-16 20:43:00.883 INFO 340 --- [g.push.receiver]
    com.alibaba.nacos.client.naming        : received push data:
    {"type":"dom","data":{"hosts":
    [{"ip":"192.168.3.143","port":8772,"valid":true,"healthy":true,"m
    arked":false,"instanceId":"192.168.3.143#8772#DEFAULT#DEFAULT_GROUP@@sms
    -server"},"metadata":
    {"preserved.register.source":"SPRING_CLOUD","management.endpoints.web.b
    ase-path":"/actuator","management.context-
    path":"/actuator"},"enabled":true,"weight":1.0,"clusterName":"DEFA
    ULT","serviceName":"DEFAULT_GROUP@@sms-
    server","ephemeral":false}], "dom":"DEFAULT_GROUP@@sms-
    server","name":"DEFAULT_GROUP@@sms-
    server","cacheMillis":10000,"lastRefTime":1671194580883,"checksum":"
    f7ab6dbdb923fe012871fa967df00e68","useSpecifiedURL":false,"clusters":"
    DEFAULT","env":"","metadata":{}},"lastRefTime":180637878787400} from
    /192.168.80.1

```

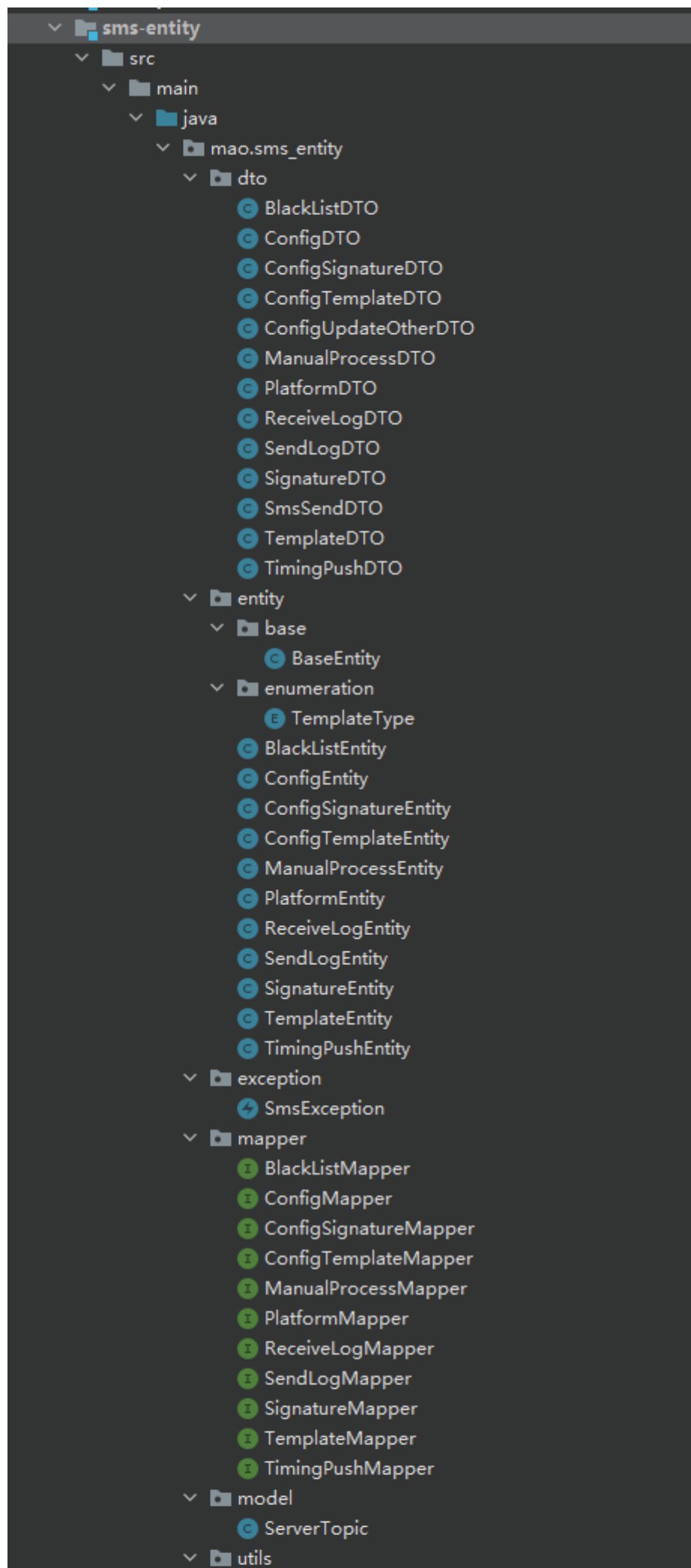
后台管理服务

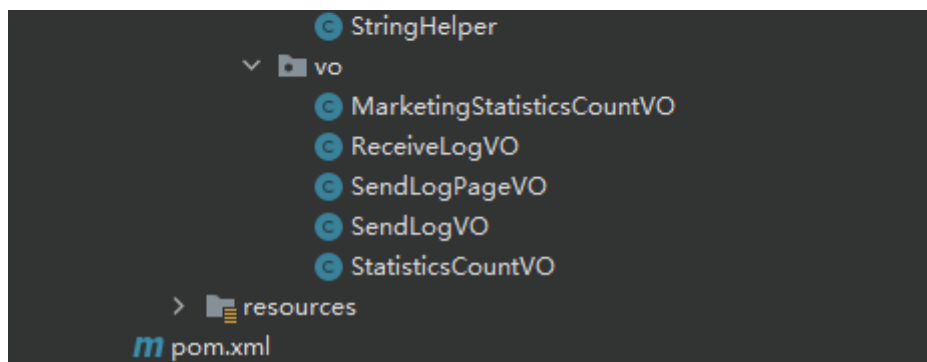


项目结构

基础工程

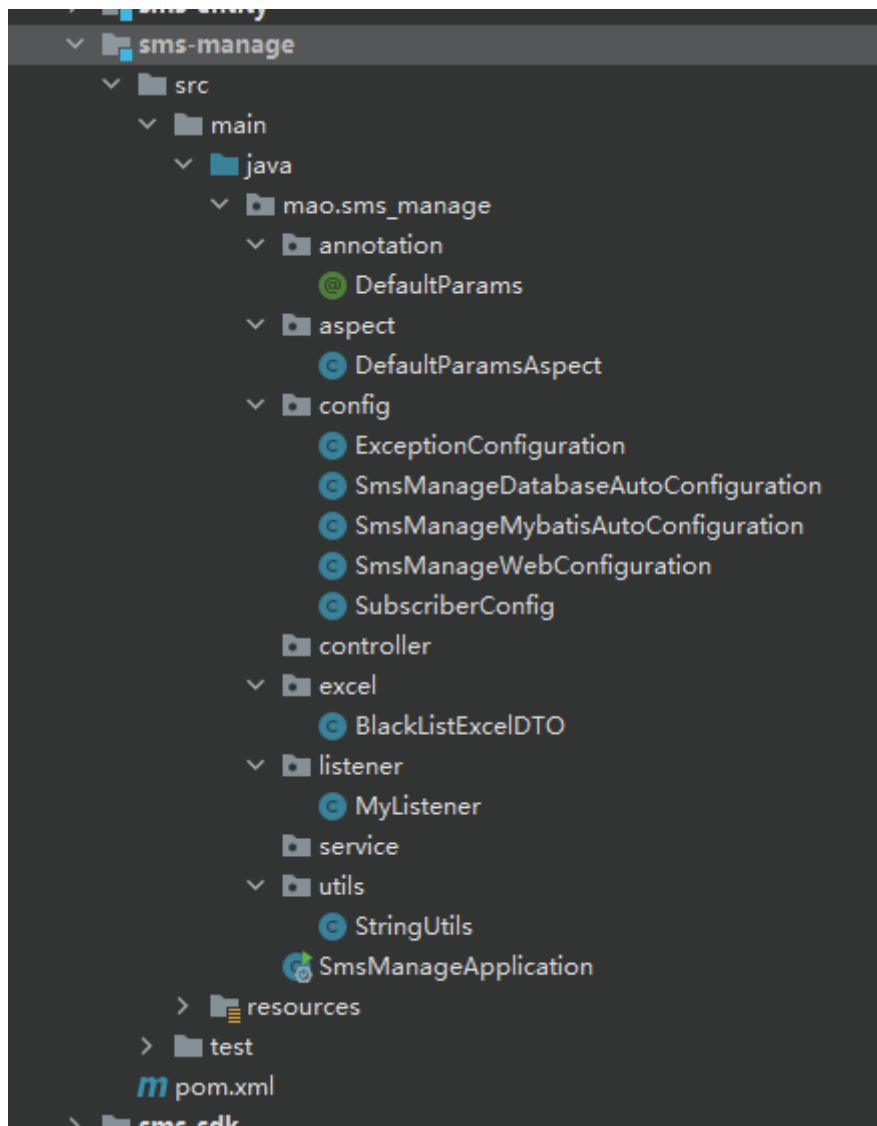
基础工程为sms-entity工程，主要是一些实体类、DTO、工具类、Mapper接口等，作为基础模块，其他几个服务都会依赖此基础模块





管理端工程

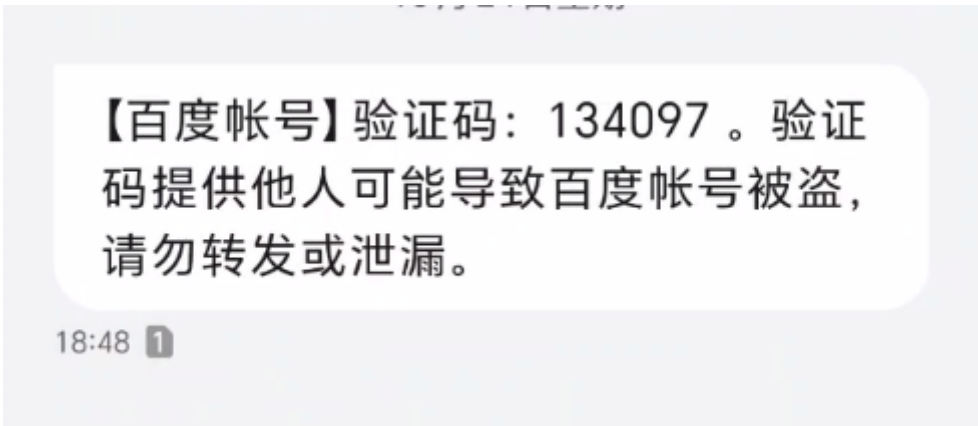
sms-manage作为后台管理服务的maven工程，主要功能是对基础数据进行维护操作，例如签名管理、模板管理、通道管理、通道优先级配置、数据统计等



数据模型与类

序号	表名	类名	说明
1	signature	SignatureEntity	短信签名
2	template	TemplateEntity	短信模板
3	config	ConfigEntity	短信通道配置
4	config_signature	ConfigSignatureEntity	通道与签名关系
5	config_template	ConfigTemplateEntity	通道与模板关系
6	platform	PlatformEntity	接入平台(应用管理)
7	receive_log	ReceiveLogEntity	短信接收日志
8	manual_process	ManualProcessEntity	人工处理任务
9	send_log	SendLogEntity	短信发送日志
10	black_list	BlackListEntity	黑名单
11	timing_push	TimingPushEntity	定时发送

短信签名：是指主叫用户在发送短信过程中，附加主叫用户的个性化签名，发送到被叫手机用户的业务。例如：【百度账号】和【阿里云】



【阿里云】您正在登录验证，验证码
416170，切勿将验证码泄露于他人，
本条验证码有效期15分钟。

12:31 ⓘ

短信模板：即具体发送的短信内容，短信模版通常可以支持验证码、通知、推广三种短信类型。

举例：您的验证码为【变量】，打死不告诉别人！

短信通道：指第三方短信平台，例如阿里云短信、乐信短信、梦网短信等。

基础属性自动注入

基础属性

```
1 package mao.sms_entity.entity.base;
2
3 import com.baomidou.mybatisplus.annotation.TableId;
4 import io.swagger.annotations.ApiModelProperty;
5 import lombok.Data;
6
7 import java.io.Serializable;
8 import java.time.LocalDateTime;
9
10 /**
11  * Project name(项目名称): sms-backend
12  * Package(包名): mao.sms_entity.entity.base
13  * Class(类名): BaseEntity
14  * Author(作者): mao
15  * Author QQ: 1296193245
16  * GitHub: https://github.com/maomao124/
17  * Date(创建日期): 2022/12/16
18  * Time(创建时间): 21:14
19  * Version(版本): 1.0
20  * Description(描述): 基础实体类
21  */
22
23 @Data
24 public abstract class BaseEntity implements Serializable
```

```

25 {
26     /**
27      * id
28      */
29     @TableId
30     @ApiModelProperty(value = "主键")
31     private String id;
32
33     /**
34      * 创建时间
35      */
36     @ApiModelProperty(value = "创建时间")
37     private LocalDateTime createTime;
38
39     /**
40      * 创建用户
41      */
42     @ApiModelProperty(value = "创建人")
43     private String createUser = "0";
44
45     /**
46      * 更新时间
47      */
48     @ApiModelProperty(value = "修改时间")
49     private LocalDateTime updateTime;
50
51     /**
52      * 更新用户
53      */
54     @ApiModelProperty(value = "修改人")
55     private String updateUser;
56
57     /**
58      * 是否为逻辑删除
59      */
60     @ApiModelProperty(value = "逻辑删除: 0删除")
61     private Integer isDelete;
62
63 }

```

自定义注解

```

1  package mao.sms_manage.annotation;
2
3  import java.lang.annotation.*;
4
5  @Documented
6  @Retention(RetentionPolicy.RUNTIME)
7  @Target(ElementType.METHOD)
8  public @interface DefaultParams
9  {
10
11 }

```


定义切面类

```
1 package mao.sms_manage.aspect;
2
3 import lombok.SneakyThrows;
4 import lombok.extern.slf4j.Slf4j;
5 import mao.tools_core.context.BaseContextHandler;
6 import org.aspectj.lang.JoinPoint;
7 import org.aspectj.lang.annotation.Aspect;
8 import org.aspectj.lang.annotation.Before;
9 import org.springframework.stereotype.Component;
10
11 import java.lang.reflect.Method;
12 import java.time.LocalDateTime;
13
14 /**
15  * Project name(项目名称): sms-backend
16  * Package(包名): mao.sms_manage.aspect
17  * Class(类名): DefaultParamsAspect
18  * Author(作者): mao
19  * Author QQ: 1296193245
20  * Github: https://github.com/maomao124/
21  * Date(创建日期): 2022/12/17
22  * Time(创建时间): 20:39
23  * Version(版本): 1.0
24  * Description(描述): 通过切面方式, 自定义注解, 实现实体基础数据的注入(创建者、创建时
    间、修改者、修改时间)
25  */
26
27
28 @Aspect
29 @Slf4j
30 @Component
31 public class DefaultParamsAspect
32 {
33     @SneakyThrows
34     @Before("@annotation(mao.sms_manage.annotation.DefaultParams)")
35     public void beforeEvent(JoinPoint point)
36     {
37         //从ThreadLocal中获得当前登录用户的id
38         Long userId = BaseContextHandler.getUserId();
39         if (userId == null)
40         {
41             userId = 0L;
42         }
43
44         //获得Controller方法的参数
45         Object[] args = point.getArgs();
46         //变量参数
47         for (Object entity : args)
48         {
49             //对于参数, 通常是实体对象, 例如SignatureEntity
```

```

50 //获得参数类型,SignatureEntity.class
51 Class<?> classes = entity.getClass();
52
53 //获得实体中id属性值
54
55 //获得getId方法对象
56 Method method = getMethod(classes, "getId");
57 if (method != null)
58 {
59     //通过反射调用方法 (getId)
60     Object id = method.invoke(entity);
61     if (id == null)
62     {
63         //当前进行的是新增操作,需要设置创建人createUser和创建时间
64         createTime
65         method = getMethod(classes, "setCreateUser",
66 String.class);
67         if (method != null)
68         {
69             method.invoke(entity, userId.toString());
70         }
71         method = getMethod(classes, "setCreateTime",
72 LocalDateTime.class);
73         if (method != null)
74         {
75             method.invoke(entity, LocalDateTime.now());
76         }
77     }
78
79     method = getMethod(classes, "setUpdateUser", String.class);
80     if (method != null)
81     {
82         method.invoke(entity, userId.toString());
83     }
84
85     method = getMethod(classes, "setUpdateTime",
86 LocalDateTime.class);
87     if (method != null)
88     {
89         method.invoke(entity, LocalDateTime.now());
90     }
91 }
92
93 log.debug(point.toString());
94 }
95
96 /**
97  * 获得方法对象
98  *
99  * @param classes 类
100  * @param name 名字
101  * @param types 类型
102  * @return {@link Method}
103 */
104 private Method getMethod(Class<?> classes, String name, Class<?>...
types)
105 {

```

```
103         try
104         {
105             return classes.getMethod(name, types);
106         }
107         catch (NoSuchMethodException e)
108         {
109             return null;
110         }
111     }
112 }
```

Redis发布订阅模式

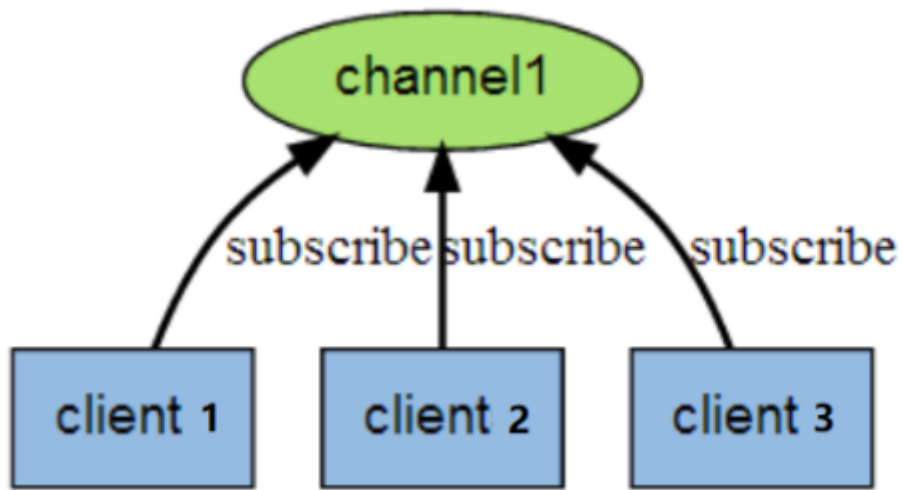
Redis 发布订阅 (pub/sub) 是一种消息通信模式：发送者 (pub) 发送消息，订阅者 (sub) 接收消息。Redis 客户端可以订阅任意数量的频道。

Redis的发布订阅模式本质和传统的MQ的发布订阅类似，但是相对于其它几款MQ产品来说，redis的使用更加便捷，也更加轻量化，不需要单独去搭建集成一套繁重的MQ框架。但缺点也很明显，redis发布的信息不会持久化，所以当某一台服务器出现问题的时候，这个消息会丢失，所以在考虑使用之前要慎重，当前的业务是否对数据一致性要求很高，如果要求很高，还是建议使用MQ产品。

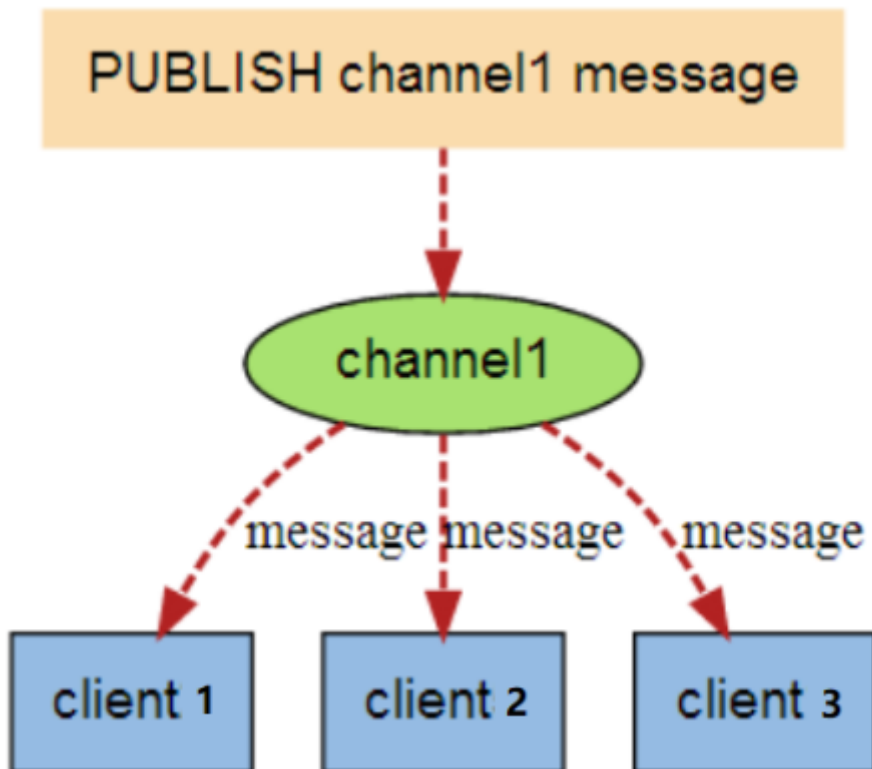
在发布者订阅者模式下，发布者将信息发布到指定的 channel 里面，凡是监听该 channel 的消费者都会收到同样的一份消息，这种模式类似于是收音机模式，即凡是收听某个频道的听众都会收到主持人发布的相同的消息内容。此模式常用于群聊天、群通知、群公告等场景。

发布订阅模式下的几个概念：

- Publisher：发布者
- Subscriber：订阅者
- Channel：频道



当有新消息通过 PUBLISH 命令发送给频道 channel1 时，这个消息就会被发送给订阅它的三个客户端：



通道管理

需求分析

- 通道信息增、删、改、查（分页、详情）
- 通道排序：通过拖动对前端通道进行排序
- 关联通道与短信签名：一个通道可以有多个签名
- 关联通道与短信模板：一个通道可以有多个模板
- 通道优先级排序后通知短信发送服务，更新缓存中的通道优先级

具体实现

管理端服务有一个场景使用了redis的发布订阅模式：短信通道的优先级发生变化（如人工设置）后，通过redis发布订阅模式通知短信发送服务，短信发送服务接收到消息后自动调整短信发送时使用的通道的优先级（短信发送服务缓存了短信通道的配置信息）。

基础代码都已经实现，此处只需要实现通道排序后通知短信发送服务的代码即可。也就是ConfigServiceImpl类的sendUpdateMessage方法。

短信发送服务业务逻辑说明：

- 1、为了保证短信发送服务的可用性，在短信发送服务启动时会自动生成当前服务实例的一个uuid作为服务标识保存到redis中，并且每隔3分钟上报服务信息证明服务状态正常
- 2、短信发送服务启动后会每隔10分钟检查redis中的服务上报信息，如果某个实例超过5分钟没有上报则认为此服务下线，就会从redis中将此服务实例信息删除
- 3、短信发送服务在启动时会从数据库中查询出可用通道列表并按照优先级排序，然后缓存到redis中

```
1  @Override
2  public void sendUpdateMessage()
3  {
4      Map map = redisTemplate.opsForHash().entries("SERVER_ID_HASH");
5      log.info("所有的短信发送服务实例: " + map);
6      //当前时间戳
7      long currentTimeMillis = System.currentTimeMillis();
8      //遍历
9      for (Object key : map.keySet())
10     {
11         Object value = map.get(key);
12         long parseLong = Long.parseLong(value.toString());
13         if (currentTimeMillis - parseLong < (1000 * 60 * 5))
14         {
15             //删除redis中缓存的可用通道，因为通道优先级发生变化，redis中缓存的可用通道
            //需要重新加载
16             redisTemplate.delete("listForConnect");
17             //说明当前这个实例状态正常
18             ServerTopic serverTopic =
                ServerTopic.builder().option(ServerTopic.INIT_CONNECT).value(key.toString())
                .build();
19             //发送消息
20             redisTemplate.convertAndSend("TOPIC_HIGH_SERVER",
                serverTopic.toString());
```

```
21         return;  
22     }  
23 }  
24 }
```

短信接收服务

介绍

短信接收服务的作用就是为应用提供访问接口，应用需要发送短信时只需要调用短信接收服务，由短信接收服务将信息保存到消息缓冲区（Mysql、Redis）。后续会由短信发送服务从消息缓冲区获取消息并发送短信。

短信接收服务（sms-api）提供3种方式供业务系统调用：

- HTTP接口
- TCP
- SDK形式

短信接收服务通过资质验证（可开关）、短信内容校验后将短信信息发送到对应中间件中（Redis、MySQL）。

短信发送方式分为两种类型：

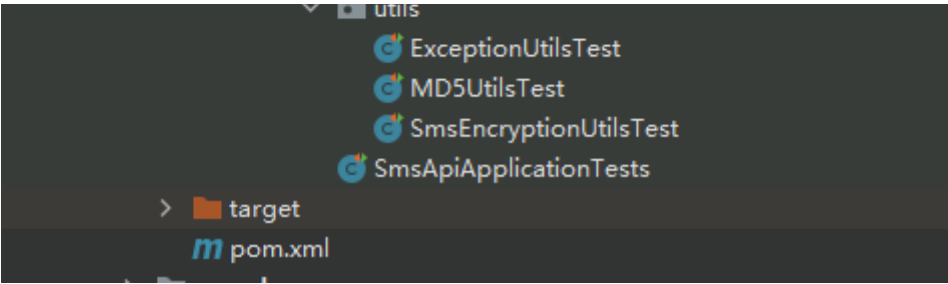
- 1、定时发送短信：将短信内容存储到MySQL数据库中，由短信发送服务通过定时任务获取并发送
- 2、普通短信：将短信内容推送到Redis队列中，由短信发送服务异步接收并发送

项目结构

```

    sms
    sms-api
    logs
    src
    main
    java
    mao.sms_api
    config
    ExceptionConfiguration
    SmsApiDatabaseAutoConfiguration
    SmsApiMybatisAutoConfiguration
    SmsApiWebConfiguration
    controller
    SmsSendController
    netty
    NettyServer
    NettyServerHandler
    NettyServerInitializer
    service
    impl
    BlackListServiceImpl
    ConfigServiceImpl
    PlatformServiceImpl
    SignatureServiceImpl
    SmsSendServiceImpl
    TemplateServiceImpl
    TimingPushServiceImpl
    BlackListService
    ConfigService
    PlatformService
    SignatureService
    SmsSendService
    TemplateService
    TimingPushService
    utils
    ExceptionUtils
    MD5Utils
    SmsEncryptionUtils
    SmsApiApplication
    resources
    test
    java
    mao.sms_api
    controller
    SmsSendControllerTest
    service.impl
    BlackListServiceImplTest
    ConfigServiceImplTest
    PlatformServiceImplTest
    SignatureServiceImplTest
    SmsSendServiceImplTest
    TemplateServiceImplTest

```



数据模型与类

序号	表名	类名	说明
1	signature	SignatureEntity	短信签名
2	template	TemplateEntity	短信模板
3	config	ConfigEntity	短信通道配置
4	config_signature	ConfigSignatureEntity	通道与签名关系
5	config_template	ConfigTemplateEntity	通道与模板关系
6	platform	PlatformEntity	接入平台(应用管理)
7	receive_log	ReceiveLogEntity	短信接收日志
8	black_list	BlackListEntity	黑名单
9	timing_push	TimingPushEntity	定时发送

消息存储

将消息保存到消息缓冲区的业务逻辑为：

- 1、进行短信分类，分为实时发送短信和定时发送短信
- 2、如果是定时发送短信则将消息保存到Mysql数据库
- 3、如果是实时发送短信则将消息保存到Redis队列，判断短信模板类型，如果是验证码类型则将消息保存到高优先级队列TOPIC_HIGH_SMS，如果是其他类型则将消息保存到普通队列TOPIC_GENERAL_SMS
- 4、保存短信接收日志到Mysql数据库


```

1  /**
2   * 根据短信模板分类 并分发
3   *
4   * @param templateEntity 模板实体
5   * @param smsSendDTO     短信发送dto
6   * @param platformEntity 平台实体
7   */
8  private void pushSmsMessage(TemplateEntity templateEntity, SmsSendDTO
smsSendDTO, PlatformEntity platformEntity)
9  {
10     //短信接收日志
11     ReceiveLogEntity receiveLogEntity = new ReceiveLogEntity();
12     //设置日志id
13     receiveLogEntity.setApiLogId(UUID.randomUUID().toString());
14     //开始时间
15     long start = System.currentTimeMillis();
16     try
17     {
18         //获得短信发送时间，如果为空表示实时发送
19         String sendTime = smsSendDTO.getSendTime();
20         //smsSendDTO转json
21         String smsJson = JSON.toJSONString(smsSendDTO);
22         //判断发送时间是否为空
23         if (StringUtils.isEmpty(sendTime))
24         {
25             //定时发送，需要将信息保存到MySQL
26             TimingPushEntity timingPushEntity = new TimingPushEntity();
27             timingPushEntity.setMobile(smsSendDTO.getMobile());
28             timingPushEntity.setTemplate(smsSendDTO.getTemplate());
29             timingPushEntity.setSignature(smsSendDTO.getSignature());
30             timingPushEntity.setTiming(sendTime);
31             timingPushEntity.setRequest(smsJson);
32             //保存
33             timingPushService.save(timingPushEntity);
34         }
35         else
36         {
37             //实时发送，将信息保存到Redis队列
38             if (templateEntity.getType() ==
TemplateType.VERIFICATION.getCode())
39             {
40                 //验证码类型的短信，保存到TOPIC_HIGH_SMS队列
41                 stringRedisTemplate.opsForList().leftPush("TOPIC_HIGH_SMS",
smsJson);
42             }
43             else
44             {
45                 //其他类型的短信，保存到TOPIC_GENERAL_SMS队列
46
47                 stringRedisTemplate.opsForList().leftPush("TOPIC_GENERAL_SMS", smsJson);
48             }
49             //设置状态为成功

```

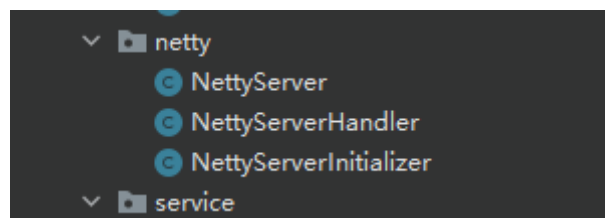
```

50         receiveLogEntity.setStatus(1);
51     }
52     catch (Exception e)
53     {
54         //设置状态为失败
55         receiveLogEntity.setStatus(0);
56         //设置异常信息
57         receiveLogEntity.setError(ExceptionUtils.getErrorStackTrace(e));
58     }
59     finally
60     {
61         //继续构建接收日志对象
62         receiveLogEntity.setPlatformId(platformEntity.getId());
63         receiveLogEntity.setPlatformName(platformEntity.getName());
64
65         receiveLogEntity.setConfigIds(StringUtils.join(smsSendDTO.getConfigIds(),
66             ","));
67         receiveLogEntity.setTemplate(smsSendDTO.getTemplate());
68         receiveLogEntity.setSignature(smsSendDTO.getSignature());
69         receiveLogEntity.setMobile(smsSendDTO.getMobile());
70
71         receiveLogEntity.setRequest(JSON.toJSONString(smsSendDTO.getParams()));
72         receiveLogEntity.setUseTime(System.currentTimeMillis() - start);
73         receiveLogEntity.setBusiness(smsSendDTO.getBatchCode());
74         //日志保存到数据库
75         receiveLogMapper.insert(receiveLogEntity);
76     }
77 }

```

TCP接口

基于Netty进行网络编程，为短信接收服务提供TCP接口，应用系统可以通过TCP调用此接口来和短信接收服务对接



- Netty服务启动类：用于启动Netty服务
- 通道初始化器：主要目的是为程序员提供一个简单的工具，用于在某个Channel注册到EventLoop后，对这个Channel执行一些初始化操作，例如可以添加用户自定义的服务端处理器
- 服务端处理器：具体执行处理逻辑，例如读取消息

```

1 package mao.sms_api.netty;
2
3 import com.alibaba.fastjson.JSON;
4 import io.netty.channel.ChannelHandlerContext;
5 import io.netty.channel.SimpleChannelInboundHandler;
6 import lombok.extern.slf4j.Slf4j;
7 import mao.sms_api.service.impl.SmsSendServiceImpl;
8 import mao.sms_entity.dto.SmsParamsDTO;
9 import mao.tools_core.utils.SpringUtils;
10 import org.apache.commons.lang.StringUtils;
11
12 import java.net.InetSocketAddress;
13
14 /**
15  * Project name(项目名称): sms-backend
16  * Package(包名): mao.sms_api.netty
17  * Class(类名): NettyServerHandler
18  * Author(作者): mao
19  * Author QQ: 1296193245
20  * GitHub: https://github.com/maomao124/
21  * Date(创建日期): 2022/12/25
22  * Time(创建时间): 19:39
23  * Version(版本): 1.0
24  * Description(描述): 服务端处理器
25  */
26
27 @Slf4j
28 public class NettyServerHandler extends SimpleChannelInboundHandler<String>
29 {
30
31     @Override
32     protected void channelRead0(ChannelHandlerContext ctx, String msg)
33     {
34         //接收应用系统的报文并解析, 调用Service将消息保存到消息缓冲区
35         log.info("开始解析报文:{}", msg);
36         String resp = "success";
37         try
38         {
39             //开始将String类型的报文转换为SmsParamsDTO类型的对象
40             SmsParamsDTO smsParamsDTO = parseMessage(msg);
41             if (smsParamsDTO == null)
42             {
43                 //报文解析失败, 不能发送短信
44                 log.error("报文解析失败");
45                 return;
46             }
47             //从Spring容器中获取SmsSendServiceImpl, 将信息保存到消息缓冲区
48             SpringUtils.getBean(SmsSendServiceImpl.class).send(smsParamsDTO);
49         }
50         catch (Exception e)
51         {
52             resp = e.getMessage();

```

```

53     }
54     //向客户端写回数据
55     ctx.writeAndFlush(resp + "\n");
56 }
57
58 @Override
59 public void channelActive(ChannelHandlerContext ctx)
60 {
61     InetSocketAddress inetSocketAddress = (InetSocketAddress)
ctx.channel().remoteAddress();
62     String clientIp = inetSocketAddress.getAddress().getHostAddress();
63     log.info("收到客户端[ip:" + clientIp + "]连接");
64 }
65
66 @Override
67 public void exceptionCaught(ChannelHandlerContext ctx, Throwable cause)
68 {
69     //当出现异常就关闭连接
70     ctx.close();
71 }
72
73 /**
74  * 解析报文
75  * 设备不同报文也不同，直接使用json格式传输
76  */
77 private SmsParamsDTO parseMessage(String body)
78 {
79     //判断报文是否为空
80     if (org.apache.commons.lang.StringUtils.isBlank(body))
81     {
82         log.warn("报文为空");
83         return null;
84     }
85     body = body.trim();
86     // 其它格式的报文需要解析后放入SmsParamsDTO实体
87     SmsParamsDTO message = JSON.parseObject(body, SmsParamsDTO.class);
88     if (message == null ||
org.apache.commons.lang.StringUtils.isBlank(message.getMobile()) ||
89     org.apache.commons.lang.StringUtils.isBlank(message.getSignature()) ||
90         StringUtils.isBlank(message.getTemplate()))
91     {
92         log.warn("报文内容异常");
93         return null;
94     }
95
96     return message;
97 }
98 }

```

SDK

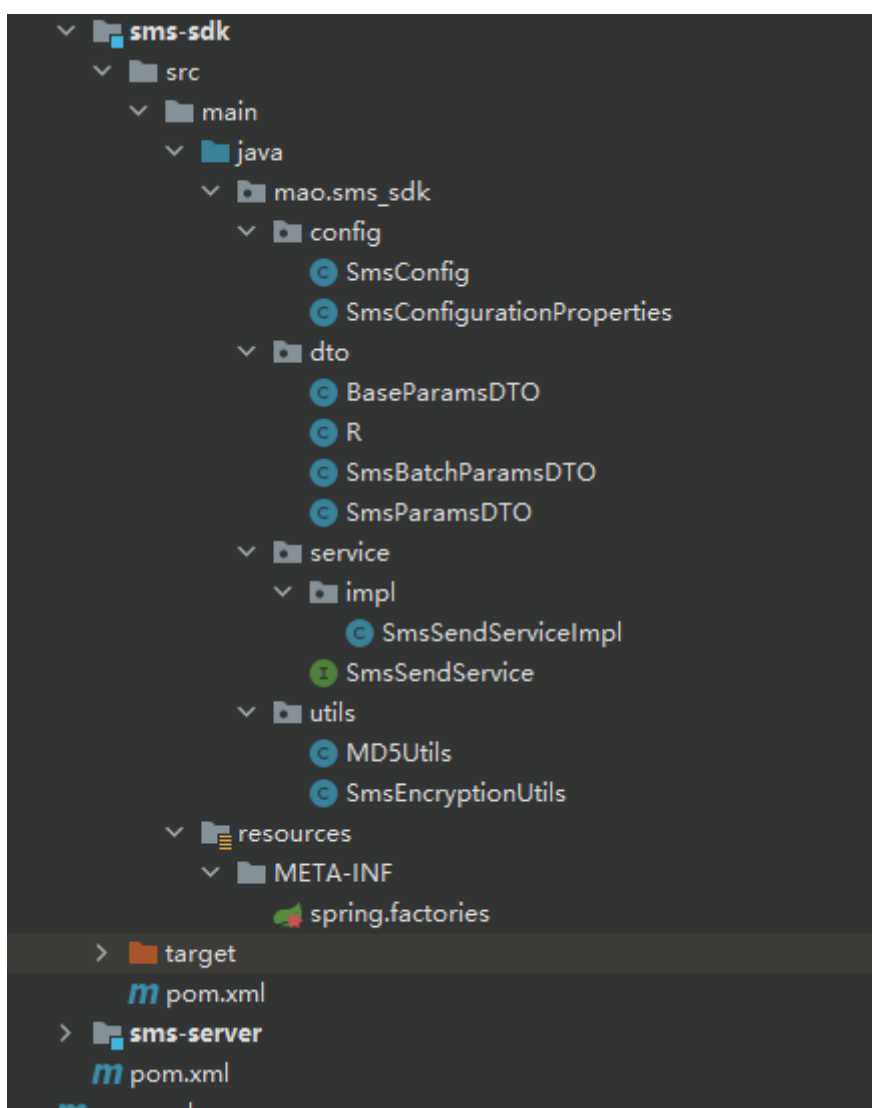
说明

SDK 是 Software Development Kit 的缩写，即软件开发工具包。SDK被开发出来是为了减少程序员工作量的，比如公司开发出某种软件的某一功能，把它封装成SDK，提供给其他公司和个人使用。

本小节需要开发短信接收服务SDK，通过SDK可以使应用系统更加方便的调用短信接收服务。

通过SDK方式调用短信接收服务，本质上还是调用的短信接收服务提供的HTTP接口（Controller），只不过是调用的过程在SDK中进行了封装。

项目结构



关键代码

```
1 package mao.sms_sdk.service.impl;
2
3 import com.alibaba.cloud.commons.lang.StringUtils;
4 import com.alibaba.fastjson.JSON;
5 import lombok.extern.slf4j.Slf4j;
6 import mao.sms_sdk.config.SmsConfigurationProperties;
7 import mao.sms_sdk.dto.BaseParamsDTO;
8 import mao.sms_sdk.dto.R;
9 import mao.sms_sdk.dto.SmsBatchParamsDTO;
10 import mao.sms_sdk.dto.SmsParamsDTO;
11 import mao.sms_sdk.service.SmsSendService;
12 import mao.sms_sdk.utils.SmsEncryptionUtils;
13 import org.apache.http.HttpEntity;
14 import org.apache.http.client.methods.CloseableHttpResponse;
15 import org.apache.http.client.methods.HttpPost;
16 import org.apache.http.entity.StringEntity;
17 import org.apache.http.impl.client.CloseableHttpClient;
18 import org.apache.http.impl.client.HttpClients;
19 import org.apache.http.util.EntityUtils;
20
21 /**
22  * Project name(项目名称): sms-backend
23  * Package(包名): mao.sms_sdk.service.impl
24  * Class(类名): SmsSendServiceImpl
25  * Author(作者): mao
26  * Author QQ: 1296193245
27  * GitHub: https://github.com/maomao124/
28  * Date(创建日期): 2022/12/27
29  * Time(创建时间): 21:42
30  * Version(版本): 1.0
31  * Description(描述): 无
32  */
33
34 @Slf4j
35 public class SmsSendServiceImpl implements SmsSendService
36 {
37
38     /**
39      * 短信配置属性
40      */
41     private final SmsConfigurationProperties smsConfigurationProperties;
42
43     /**
44      * 短信发送服务impl
45      *
46      * @param smsConfigurationProperties 短信配置属性
47      */
48     public SmsSendServiceImpl(SmsConfigurationProperties
49 smsConfigurationProperties)
50     {
51         this.smsConfigurationProperties = smsConfigurationProperties;
```

```

51     }
52
53     @Override
54     public R<Boolean> sendSms(SmsParamsDTO smsParamsDTO)
55     {
56         String url = smsConfigurationProperties.getDomain() +
smsConfigurationProperties.getSend();
57         return send(smsParamsDTO,url);
58     }
59
60     @Override
61     public R<Boolean> batchSendSms(SmsBatchParamsDTO smsBatchParamsDTO)
62     {
63         String url = smsConfigurationProperties.getDomain() +
smsConfigurationProperties.getBatchSend();
64         return send(smsBatchParamsDTO,url);
65     }
66
67
68     /**
69      * 发送短信
70      *
71      * @param baseParamsDTO 基础参数dto
72      * @param url            url
73      * @return {@link R}<{@link Boolean}>
74      */
75     private R<Boolean> send(BaseParamsDTO baseParamsDTO, String url)
76     {
77         //设置accessKeyId
78
79         baseParamsDTO.setAccessKeyId(smsConfigurationProperties.getAccessKeyId());
80         if (smsConfigurationProperties.isAuth())
81         {
82             if
83             (StringUtils.isBlank(smsConfigurationProperties.getAccessKeyId()) ||
84             StringUtils.isBlank(smsConfigurationProperties.getAccessKeySecret()))
85             {
86                 R.fail("accessKey 不能为空");
87             }
88
89             baseParamsDTO.setTimestamp(String.valueOf(System.currentTimeMillis()));
90
91             baseParamsDTO.setEncryption(SmsEncryptionUtils.encode(baseParamsDTO.getEnc
92             ryption(), baseParamsDTO.getAccessKeyId(),
93             smsConfigurationProperties.getAccessKeySecret()));
94         }
95
96         if (StringUtils.isBlank(smsConfigurationProperties.getDomain()))
97         {
98             R.fail("domain 不能为空");
99         }
100        //HTTP客户端
        CloseableHttpClient httpClient = HttpClients.createDefault();
        //Post请求对象
        HttpPost post = new HttpPost(url);
        //设置请求头
        post.setHeader("Content-Type", "application/json; charset=UTF-8");
        //构造请求体

```

```

101         StringEntity stringEntity = new
StringEntity(JSON.toJSONString(baseParamsDTO), "UTF-8");
102         //设置请求体
103         post.setEntity(stringEntity);
104
105         try
106         {
107             //发送请求
108             CloseableHttpResponse response = httpClient.execute(post);
109             //获得响应信息
110             HttpEntity entity = response.getEntity();
111             //解析响应状态码
112             if (200 == response.getStatusLine().getStatusCode())
113             {
114                 log.info("httpRequest access success, StatusCode is:{}",
response.getStatusLine()
115                     .getStatusCode());
116                 String responseContent = EntityUtils.toString(entity);
117                 log.info("responseContent is : " + responseContent);
118                 return JSON.parseObject(responseContent, R.class);
119             }
120             else
121             {
122                 log.error("httpRequest access fail ,StatusCode is:{}",
response.getStatusLine().getStatusCode());
123                 return R.fail("status is " +
response.getStatusLine().getStatusCode());
124             }
125         }
126         catch (Exception e)
127         {
128             log.error("error :", e);
129             return R.fail(e.getMessage());
130         }
131         finally
132         {
133             post.releaseConnection();
134         }
135     }
136 }

```

使用SDK

第一步：引入SDK的maven坐标


```
1 <dependency>
2   <groupId>mao</groupId>
3   <artifactId>sms-sdk</artifactId>
4   <version>1.0-SNAPSHOT</version>
5 </dependency>
```

第二步：编写配置文件

```
1 sms:
2   auth: false
3   domain: http://localhost:8771
4   accessKeyId: xxxxxxxxxxxxxxxxxxxxxxxx
5   accessKeySecret: xxxxxxxxxxxxxxxxxxxxxx
```

第三步：编写业务类

部分代码如下：

```
1 SmsParamsDTO dto = new SmsParamsDTO();
2 dto.setMobile("13812345678");
3 dto.setSignature("DXQM_000000001");
4 dto.setTemplate("DXMB_000000001");
5 Map<String, String> map = new HashMap<>();
6 map.put("code", "1234");
7 dto.setParams(map);
8 dto.setSendTime("2022-12-27 22:00");
9 dto.setTimestamp(System.currentTimeMillis() + "");
10 smsSendService.sendSms(dto);
```

短信发送服务

介绍

短信发送服务的作用就是从消息缓冲区获取消息并和具体的短信通道(例如：阿里云短信、梦网短信、乐信短信等)对接来发送短信。

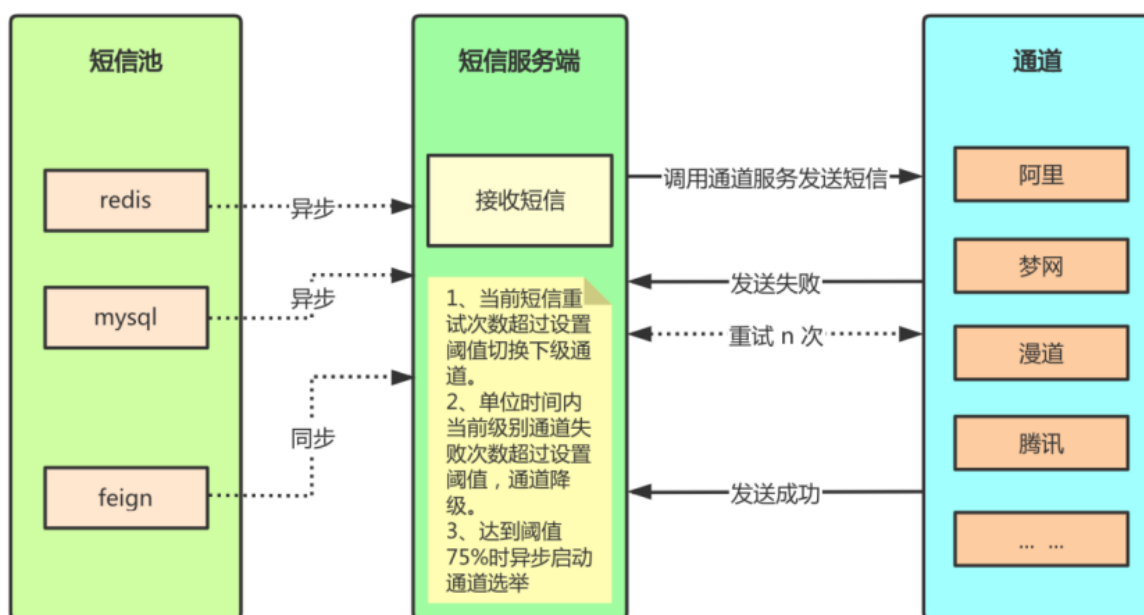
- 发送短信：实时发送、定时发送
- 通道降级：通道发送失败，选择下一通道发送短信
- 通道选举：同一通道多次发送失败，降级通道
- 服务注册：有且只有一台机器执行通道选举

需求分析

功能需求

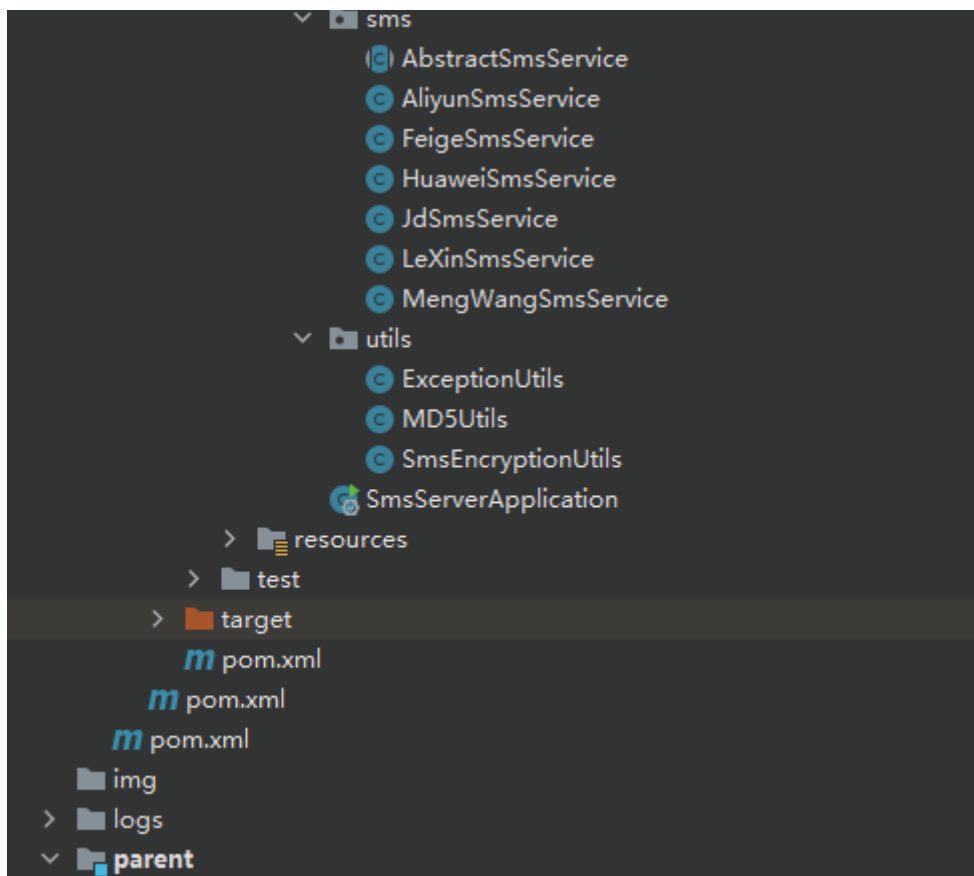
- 和具体的短信通道对接（例如：阿里云短信、梦网短信等），发送短信
- 短信定时发送
- 短信实时发送
- 服务注册，保证短信发送服务高可用
- 通道自动选举、降级

处理过程



项目结构

- ▼ sms-server
 - > logs
 - ▼ src
 - ▼ main
 - ▼ java
 - ▼ mao.sms_server
 - ▼ config
 - ⊙ ExceptionConfiguration
 - ⊙ SmsServerDatabaseAutoConfiguration
 - ⊙ SmsServerMybatisAutoConfiguration
 - ⊙ SmsServerWebConfiguration
 - ⊙ SubscriberConfig
 - ▼ controller
 - ⊙ SmsSendController
 - ▼ entity
 - ⊙ SmsConfig
 - ▼ factory
 - ⊙ ServerRegister
 - ⊙ SmsConnectLoader
 - ⊙ SmsFactory
 - ▼ job
 - ⊙ SendSmsJob
 - ⓘ SendTimingSms
 - ⊙ SendTimingSmsImpl
 - ▼ properties
 - ⊙ SmsConfigurationProperties
 - ▼ redismq
 - ⊙ GeneralSmsListener
 - ⊙ HighServerReceiver
 - ⊙ HighSmsListener
 - ▼ service
 - ▼ impl
 - ⊙ BlackListServiceImpl
 - ⊙ ConfigServiceImpl
 - ⊙ ConfigSignatureServiceImpl
 - ⊙ ConfigTemplateServiceImpl
 - ⊙ ManualProcessServiceImpl
 - ⊙ PlatformServiceImpl
 - ⊙ ReceiveLogServiceImpl
 - ⊙ SendLogServiceImpl
 - ⊙ SignatureServiceImpl
 - ⊙ TemplateServiceImpl
 - ⓘ BlackListService
 - ⓘ ConfigService
 - ⓘ ConfigSignatureService
 - ⓘ ConfigTemplateService
 - ⓘ ManualProcessService
 - ⓘ PlatformService
 - ⓘ ReceiveLogService
 - ⓘ SendLogService
 - ⓘ SignatureService
 - ⓘ TemplateService



核心代码

短信发送服务核心类：

- ServerRegister：服务注册器，用于将短信发送服务注册到Redis中，定时服务上报，定时服务检查
- ConfigServiceImpl：通道配置器，用于查询可用通道（阿里短信、华为短信等），通道选举、降级
- AbstractSmsService：短信发送器抽象父类，子类需要和具体的短信通道对接来完成发送短信的工作
- SmsConnectLoader：通道实例加载器，根据通道配置，初始化每个通道的Bean对象
- SmsFactory：短信发送工厂，获取具体的通道实例Bean对象（例如AliyunSmsService）来发送短信，如果发送出现异常，触发通道选举和通道降级策略
- SendTimingSmsImpl：定时短信业务处理器，具体负责定时短信的发送
- SendSmsJob：短信发送定时任务，用于定时短信的发送，调用SendTimingSmsImpl发送定时短信
- GeneralSmsListener、HighSmsListener：短信接收器，Redis队列的消费者，监听队列中的消息，如果有消息则调用SmsFactory发送实时短信
- HighServerReceiver：通道消息监听器，通过Redis的发布订阅模式监听通道相关消息，调用SmsConnectLoader初始化通道和更新通道
- SubscriberConfig：订阅发布模式的容器配置，创建消息监听容器，并将HighServerReceiver加入容器中

功能实现

服务注册器

服务注册器对应的为ServerRegister类。

短信发送服务支持分布式集群部署，可以是多个实例，实例越多，发送短信的能力越强。但是对于通道选举、持久化通道等操作，只能有一个服务实例执行，其他服务实例通过redis的广播机制获得通道变化。

如果来实现这一功能，需要将所有短信发送服务实例注册到某个地方，当前实现是将所有服务实例注册到Redis中。并且为了能够监控每个服务实例运行状态，需要每个服务实例定时上报并且定时进行服务检查。

业务逻辑：

- 1、服务注册，项目启动时将当前服务实例id注册到redis
- 2、服务上报，每三分钟报告一次，并传入当前时间戳
- 3、服务检查，每十分钟检查一次服务列表，清空超过五分钟没有报告的服务

代码实现：

```
1 package mao.sms_server.factory;
2
3 import lombok.extern.slf4j.Slf4j;
4 import org.springframework.beans.factory.annotation.Autowired;
5 import org.springframework.boot.CommandLineRunner;
6 import org.springframework.core.annotation.Order;
7 import org.springframework.data.redis.core.StringRedisTemplate;
8 import org.springframework.scheduling.annotation.Scheduled;
9 import org.springframework.stereotype.Component;
10
11 import javax.annotation.Resource;
12 import java.util.ArrayList;
13 import java.util.List;
14 import java.util.Map;
15 import java.util.UUID;
16
17 /**
18  * Project name(项目名称): sms-backend
19  * Package(包名): mao.sms_server.factory
20  * Class(类名): ServerRegister
21  * Author(作者): mao
22  * Author QQ: 1296193245
23  * Github: https://github.com/maomao124/
24  * Date(创建日期): 2023/1/2
25  * Time(创建时间): 14:23
26  * Version(版本): 1.0
```

```

27  * Description(描述): 服务注册器, 将短信发送服务注册到Redis中, 定时服务上报, 定时服务
    检查
28  */
29
30  @Component
31  @Slf4j
32  @Order(value = 100)
33  public class ServerRegister implements CommandLineRunner
34  {
35      /**
36       * 服务器id
37       * 当前服务实例的唯一标识, 可以使用UUID随机生成
38       */
39      public static String SERVER_ID = null;
40
41      @Resource
42      private StringRedisTemplate stringRedisTemplate;
43
44      /**
45       * 项目启动时自动执行此方法, 将当前服务实例注册到redis
46       *
47       * @param args 参数
48       */
49      @Override
50      public void run(String... args)
51      {
52          //服务注册器, 项目启动时将当前服务id注册到Redis中, 使用Redis的Hash结构, key
            为SERVER_ID_HASH, Hash结构的key为服务id, value为时间戳
53
54          //为当前服务实例生成一个服务唯一标识
55          SERVER_ID = UUID.randomUUID().toString();
56          log.info("生成当前服务实例id:" + SERVER_ID);
57
58          stringRedisTemplate.opsForHash().put("SERVER_ID_HASH", SERVER_ID,
String.valueOf(System.currentTimeMillis()));
59      }
60
61      /**
62       * 定时服务报告
63       * 报告服务信息证明服务存在 每三分钟报告一次, 并传入当前时间戳
64       */
65      @Scheduled(cron = "1 0/3 * * * ?")
66      public void serverReport()
67      {
68          //服务注册器, 每三分钟报告一次, 并传入当前时间戳
69          log.info("定时上报, 服务id: {}, 时间戳: {}", SERVER_ID,
System.currentTimeMillis());
70          stringRedisTemplate.opsForHash().put("SERVER_ID_HASH", SERVER_ID,
String.valueOf(System.currentTimeMillis()));
71      }
72
73      /**
74       * 定时服务检查
75       * 每十分钟检查一次服务列表, 清空超过五分钟没有报告的服务
76       */
77      @Scheduled(cron = "30 0/10 * * * ?")
78      public void checkServer()
79      {

```

```

80 //服务注册器，定时服务检查，每十分钟检查一次服务列表，清空超过五分钟没有报告的服
   务
81
82 log.info("进行服务实例的检查，执行当前任务的服务为：{}", SERVER_ID);
83
84 //获得Redis中注册的所有服务实例id
85 Map<Object, Object> map =
stringRedisTemplate.opsForHash().entries("SERVER_ID_HASH");
86
87 //获取当前系统时间戳
88 long current = System.currentTimeMillis();
89 List<String> removeKeys = new ArrayList<>();
90 map.forEach((key, value) ->
91 {
92     //key为服务实例id, value为上报的系统时间戳
93     long parseLong = Long.parseLong(value.toString());
94     if (current - parseLong > (1000 * 60 * 5))
95     {
96         //当前服务实例超过5分钟没有上报
97         removeKeys.add(key.toString());
98     }
99 });
100
101 //清理服务实例
102 removeKeys.forEach(key ->
103 {
104     log.info("清理服务实例：{}", key);
105     stringRedisTemplate.opsForHash().delete("SERVER_ID_HASH", key);
106 });
107 }
108 }

```

通道实例加载器

通道实例加载器对应的为SmsConnectLoader类。

短信发送服务存在多个通道（例如阿里云短信、梦网短信等），这些通道是通过后台管理系统设置的，包括通道的名称、签名、模板、连接方式等信息。当短信发送服务启动时，或者后台管理系统设置通道时，将会初始化短信通道。

通道实例加载器的作用就是根据通道配置，初始化每个通道的Bean对象（例如AliyunSmsService、MengWangSmsService等）。

业务逻辑：

- 1、查询数据库获得通道列表

- 2、遍历通道列表，通过反射创建每个通道的Bean对象（例如AliyunSmsService、MengWangSmsService等）
- 3、将每个通道的Bean对象保存到CONNECT_LIST集合中

具体代码如下：

```
1 package mao.sms_server.factory;
2
3 import com.alibaba.fastjson.JSON;
4 import lombok.SneakyThrows;
5 import lombok.extern.slf4j.Slf4j;
6 import mao.sms_entity.entity.ConfigEntity;
7 import mao.sms_entity.model.ServerTopic;
8 import mao.sms_server.entity.SmsConfig;
9 import mao.sms_server.service.ConfigService;
10 import mao.sms_server.service.impl.SignatureServiceImpl;
11 import mao.sms_server.service.impl.TemplateServiceImpl;
12 import mao.tools_core.utils.SpringUtils;
13 import mao.tools_redis_cache.entity.LockInfo;
14 import mao.tools_redis_cache.service.RedisLockService;
15 import org.apache.commons.lang3.StringUtils;
16 import org.springframework.boot.CommandLineRunner;
17 import org.springframework.core.annotation.Order;
18 import org.springframework.data.redis.core.StringRedisTemplate;
19 import org.springframework.stereotype.Component;
20 import org.springframework.util.CollectionUtils;
21
22 import javax.annotation.Resource;
23 import java.lang.reflect.Constructor;
24 import java.lang.reflect.Field;
25 import java.util.ArrayList;
26 import java.util.LinkedHashMap;
27 import java.util.List;
28 import java.util.concurrent.TimeUnit;
29
30 /**
31  * Project name(项目名称): sms-backend
32  * Package(包名): mao.sms_server.factory
33  * Class(类名): SmsConnectLoader
34  * Author(作者): mao
35  * Author QQ: 1296193245
36  * Github: https://github.com/maomao124/
37  * Date(创建日期): 2023/1/3
38  * Time(创建时间): 13:37
39  * Version(版本): 1.0
40  * Description(描述): 通道实例加载器
41  * 项目启动时、通道重新排序时执行
42  */
43
44 @Component
45 @Slf4j
46 @Order(value = 101)
47 public class SmsConnectLoader implements CommandLineRunner
```

```

48 {
49     /**
50      * 连接列表
51      */
52     private static final List<Object> CONNECT_LIST = new ArrayList<>();
53
54
55     /**
56      * 未来配置列表
57      */
58     private static List<ConfigEntity> FUTURE_CONFIG_LIST;
59
60     @Resource
61     private ConfigService configService;
62
63
64     @Resource
65     private RedisLockService redisLockService;
66
67     @Resource
68     private StringRedisTemplate stringRedisTemplate;
69
70     /**
71      * 锁信息
72      */
73     private LockInfo lockInfo;
74
75     @Override
76     public void run(String... args)
77     {
78         initConnect();
79     }
80
81     /**
82      * 根据通道配置，初始化每个通道的bean对象
83      */
84     @SneakyThrows
85     public void initConnect()
86     {
87         // 根据通道配置，初始化每个通道的bean对象
88
89         //1、查询数据库获得通道列表
90         List<ConfigEntity> configs = configService.listForConnect();
91         log.info("查询到可用通道: {}", configs);
92
93         List<Object> beanList = new ArrayList<>();
94         //2、遍历通道列表，通过反射创建每个通道的Bean对象（例如AliyunSmsService、
95         //MengWangSmsService等）
96         configs.forEach(config ->
97         {
98             try
99             {
100                 //封装Bean对象所需的SmsConfig配置对象
101                 SmsConfig smsConfig = new SmsConfig();
102                 smsConfig.setId(config.getId());
103                 smsConfig.setDomain(config.getDomain().trim());
104                 smsConfig.setName(config.getName().trim());
105                 smsConfig.setPlatform(config.getPlatform().trim());

```

```

105         smsConfig.setAccessKeyId(config.getAccessKeyId().trim());
106
107         smsConfig.setAccessKeySecret(config.getAccessKeySecret().trim());
108         if (StringUtils.isNotBlank(config.getOther()))
109         {
110             LinkedHashMap<String, String> linkedHashMap =
111             JSON.parseObject(config.getOther(), LinkedHashMap.class);
112             smsConfig.setOtherConfig(linkedHashMap);
113         }
114
115         //动态拼接要创建的bean实例的全类名
116         String className = "mao.sms_server." +
117         config.getPlatform().trim() + "SmsService";
118         log.info("准备通过反射动态创建: {}", className);
119
120         Class<?> aClass = Class.forName(className);
121         //获得类的构造方法对象
122         Constructor<?> constructor =
123         aClass.getConstructor(SmsConfig.class);
124         //创建bean对象
125         Object beanService = constructor.newInstance(smsConfig);
126
127         //bean对象中的signatureService和templateService属性需要进行赋值
128         SignatureServiceImpl signatureService =
129         SpringUtils.getBean(SignatureServiceImpl.class);
130         TemplateServiceImpl templateService =
131         SpringUtils.getBean(TemplateServiceImpl.class);
132
133         //根据反射获得类中声明的属性对象
134         Field signatureServiceField =
135         aClass.getSuperclass().getDeclaredField("signatureService");
136         Field templateServiceField =
137         aClass.getSuperclass().getDeclaredField("templateService");
138         //设置可以操作当前属性值
139         signatureServiceField.setAccessible(true);
140         templateServiceField.setAccessible(true);
141
142         //为bean对象设置属性值
143         signatureServiceField.set(beanService, signatureService);
144         templateServiceField.set(beanService, templateService);
145
146         beanList.add(beanService);
147     }
148     catch (Exception e)
149     {
150         e.printStackTrace();
151     }
152 }
153
154 //3、将每个通道的Bean对象保存到CONNECT_LIST集合中
155 if (!CONNECT_LIST.isEmpty())
156 {
157     CONNECT_LIST.clear();
158 }
159 CONNECT_LIST.addAll(beanList);
160 log.info("将初始化的通道加载到集合中: {}", CONNECT_LIST);
161
162 //解锁

```

```

155         if (lockInfo != null)
156         {
157             redisLockService.unlock(lockInfo);
158         }
159
160     }
161
162     public <T> T getConnectByLevel(Integer level)
163     {
164         return (T) CONNECT_LIST.get(level - 1);
165     }
166
167     public boolean checkConnectLevel(Integer level)
168     {
169         return CONNECT_LIST.size() <= level;
170     }
171
172     /**
173      * 通道调整:
174      * 通道初始化: 构建新的通道配置
175      * 只能有一台机器执行, 所以需要加锁
176      */
177     public void buildNewConnect()
178     {
179         // 一小时内有效
180         lockInfo = redisLockService.tryLock("sms:buildNewConnect:lock", 60
181 * 60, 30, TimeUnit.SECONDS);
182
183         if (lockInfo.isSuccess())
184         {
185             List<ConfigEntity> list = configService.listForNewConnect();
186             FUTURE_CONFIG_LIST = list;
187             stringRedisTemplate.opsForValue().set("NEW_CONNECT_SERVER",
188 ServerRegister.SERVER_ID);
189         }
190         // 获取不到锁 证明已经有服务在计算或者计算结果未得到使用
191     }
192
193     /**
194      * 通道调整:
195      * 发布订阅消息, 通知其他服务: 应用新的通道
196      */
197     public void changeNewConnectMessage()
198     {
199         stringRedisTemplate.convertAndSend("TOPIC_HIGH_SERVER",
200 ServerTopic.builder().option(ServerTopic.USE_NEW_CONNECT).value(ServerRegis
201 ter.SERVER_ID).build().toString());
202     }
203
204     /**
205      * 通道调整
206      * 发布订阅消息, 通知其他服务: 初始化新通道
207      */
208     public void changeNewConnect()
209     {
210         // 初始化通道
211         Object newConnectServer =
212 stringRedisTemplate.opsForValue().get("NEW_CONNECT_SERVER");

```

```

208
209      /*
210      * 为了通道调整发布的信息中，带有server id
211      * 确保只有此server id的服务执行当前代码
212      */
213      if (null != newConnectServer &&
214          ServerRegister.SERVER_ID.equals(newConnectServer) &&
215              !CollectionUtils.isEmpty(FUTURE_CONFIG_LIST))
216      {
217          // 配置列表不为空则执行数据库操作 并清空缓存
218          boolean result =
219              configService.updateBatchById(FUTURE_CONFIG_LIST);
220          log.info("批量修改配置级别:{}", result);
221          FUTURE_CONFIG_LIST.clear();
222          stringRedisTemplate.convertAndSend("TOPIC_HIGH_SERVER",
223              ServerTopic.builder()
224                  .option(ServerTopic.INIT_CONNECT).value(ServerRegister.SERVER_ID).build().t
225                  ostring());
226      }
227  }
228  }
229  }

```

定时短信业务处理器

定时短信业务处理器对应的是SendTimingSmsImpl类，具体负责定时短信的发送。

业务逻辑：

- 1、查询数据库获取本次需要发送的定时短信
- 2、调用短信工厂发送短信
- 3、更新短信发送状态为“已处理”

实现代码：

接口

```

1 package mao.sms_server.job;
2
3 /**
4  * Project name(项目名称): sms-backend
5  * Package(包名): mao.sms_server.job
6  * Interface(接口名): SendTimingSms

```

```

7      * Author(作者): mao
8      * Author QQ: 1296193245
9      * GitHub: https://github.com/maomao124/
10     * Date(创建日期): 2023/1/3
11     * Time(创建时间): 14:15
12     * Version(版本): 1.0
13     * Description(描述): 定时短信发送业务接口
14     */
15
16     public interface SendTimingSms
17     {
18         /**
19          * 执行
20          *
21          * @param timing 时机
22          * @throws InterruptedException 中断异常
23          */
24         void execute(String timing) throws InterruptedException;
25     }

```

实现类

```

1     package mao.sms_server.job;
2
3     import lombok.extern.slf4j.Slf4j;
4     import mao.sms_dao.mapper.TimingPushMapper;
5     import mao.sms_entity.entity.TimingPushEntity;
6     import mao.sms_server.factory.SmsFactory;
7     import mao.tools_databases.mybatis.conditions.wraps;
8     import org.springframework.scheduling.annotation.Async;
9     import org.springframework.stereotype.Component;
10
11     import javax.annotation.Resource;
12     import java.util.List;
13
14     /**
15      * Project name(项目名称): sms-backend
16      * Package(包名): mao.sms_server.job
17      * Class(类名): SendTimingSmsImpl
18      * Author(作者): mao
19      * Author QQ: 1296193245
20      * GitHub: https://github.com/maomao124/
21      * Date(创建日期): 2023/1/3
22      * Time(创建时间): 14:16
23      * Version(版本): 1.0
24      * Description(描述): 定时短信业务处理器
25      */
26
27     @Slf4j
28     @Component
29     public class SendTimingSmsImpl implements SendTimingSms
30     {
31         @Resource
32         private TimingPushMapper timingPushMapper;
33

```

```

34     @Resource
35     private SmsFactory smsFactory;
36
37
38     @Async
39     @Override
40     public void execute(String timing) throws InterruptedException
41     {
42         //查询数据库获取本次需要发送的定时短信
43         List<TimingPushEntity> timingPushEntityList =
44             timingPushMapper.selectList(wraps.<TimingPushEntity>lbQ()
45                 //设置查询条件，状态为0，表示未处理
46                 .eq(TimingPushEntity::getStatus, 0)
47                 //设置查询条件，发送时间等值查询
48                 .eq(TimingPushEntity::getTiming, timing)
49                 //设置排序条件
50                 .orderByAsc(TimingPushEntity::getCreateTime));
51
52         if (timingPushEntityList != null && timingPushEntityList.size() > 0)
53         {
54             log.info("本次定时任务需要发送的定时短信条数为: {}",
55                 timingPushEntityList.size());
56             timingPushEntityList.forEach(timingPushEntity ->
57             {
58                 //2、调用短信工厂发送短信
59                 smsFactory.send(timingPushEntity.getRequest());
60
61                 //3、更新短信发送状态为“已处理”
62                 timingPushEntity.setStatus(1);
63                 timingPushMapper.updateById(timingPushEntity);
64             });
65         }
66     }
67 }

```

短信发送定时任务

短信发送定时任务对应的是SendSmsJob类，用于定时短信的发送，调用SendTimingSmsImpl发送定时短信。

业务逻辑：

- 1、每分钟触发一次定时任务
- 2、为了防止短信重复发送，需要使用分布式锁

3、调用SendTimingSmsImpl发送定时短信

代码实现：

```
1 package mao.sms_server.job;
2
3 import lombok.extern.slf4j.Slf4j;
4 import mao.tools_core.utils.DateUtils;
5 import mao.tools_redis_cache.entity.LockInfo;
6 import mao.tools_redis_cache.service.RedisLockService;
7 import org.springframework.scheduling.annotation.Scheduled;
8 import org.springframework.stereotype.Component;
9
10 import javax.annotation.Resource;
11 import java.util.Date;
12 import java.util.concurrent.TimeUnit;
13
14 /**
15  * Project name(项目名称): sms-backend
16  * Package(包名): mao.sms_server.job
17  * Class(类名): SendSmsJob
18  * Author(作者): mao
19  * Author QQ: 1296193245
20  * GitHub: https://github.com/maomao124/
21  * Date(创建日期): 2023/1/3
22  * Time(创建时间): 14:22
23  * Version(版本): 1.0
24  * Description(描述): 定时任务，用于发送定时短信
25  */
26
27 @Slf4j
28 @Component
29 public class SendSmsJob
30 {
31     @Resource
32     private SendTimingSms sendTimingSms;
33
34     @Resource
35     private RedisLockService redisLockService;
36
37     /**
38      * 定时发送短信
39      * 每分钟的第10秒检查一次是否有定时短信需要发送
40      *
41      * @throws InterruptedException 中断异常
42      */
43     @Scheduled(cron = "10 0/1 * * * ?")
44     public void sendTimingSms() throws InterruptedException
45     {
46         //定时任务，每分钟检查一次是否有定时短信需要发送
47
48         //2、为了防止短信重复发送，需要使用分布式锁
```



```

49         LockInfo lockInfo = redisLockService.tryLock("SEND_TIMING_SMS", 30,
30, TimeUnit.SECONDS);
50
51         if (lockInfo.isSuccess())
52         {
53             log.info("准备执行定时发送短信任务");
54             //当前实例抢到锁，可以执行定时短信的发送
55             //3、调用SendTimingSmsImpl发送定时短信
56             sendTimingSms.execute(DateUtils.format(new Date(), "yyyy-MM-dd
HH:mm"));
57             //释放锁
58             redisLockService.unlock(lockInfo);
59         }
60     }
61 }

```

短信接收器

应用系统调用短信接收服务，短信接收服务将短信消息放入消息队列，实现短信的接收和发送的解耦，这种方案可以最大化提高短信接收服务性能，不会由于外部短信通道影响应用系统的响应，从而起到削峰填谷的效果。

本系统使用的Redis集群作为消息队列，在传输短信时，采用的是生产者消费者模式。

短信接收器对应的类为GeneralSmsListener和HighSmsListener，角色是Redis队列的消费者，监听队列中的消息，如果有消息则调用SmsFactory发送实时短信。

业务逻辑：

- 1、HighSmsListener监听TOPIC_HIGH_SMS队列，如果有消息则调用短信发送工厂SmsFactory发送实时短信
- 2、GeneralSmsListener监听TOPIC_GENERAL_SMS队列，如果有消息则调用短信发送工厂SmsFactory发送实时短信

HighSmsListener具体实现：

```

1 package mao.sms_server.redismq;
2
3 import lombok.extern.slf4j.Slf4j;
4 import mao.sms_server.factory.SmsFactory;
5 import org.springframework.beans.factory.annotation.Value;
6 import org.springframework.data.redis.core.StringRedisTemplate;
7 import org.springframework.stereotype.Component;

```

```

8
9 import javax.annotation.PostConstruct;
10 import javax.annotation.Resource;
11 import java.util.concurrent.TimeUnit;
12
13 /**
14  * Project name(项目名称): sms-backend
15  * Package(包名): mao.sms_server.redismq
16  * Class(类名): HighSmsListener
17  * Author(作者): mao
18  * Author QQ: 1296193245
19  * Github: https://github.com/maomao124/
20  * Date(创建日期): 2023/1/3
21  * Time(创建时间): 20:44
22  * Version(版本): 1.0
23  * Description(描述): 监听消息队列: TOPIC_HIGH_SMS, 高优先级的短信, 如验证码之类的短
    信
24  */
25
26 @Slf4j
27 @Component
28 public class HighSmsListener extends Thread
29 {
30     @Resource
31     private StringRedisTemplate stringRedisTemplate;
32
33     @Resource
34     private SmsFactory smsFactory;
35
36
37     private final String queueKey = "TOPIC_HIGH_SMS";
38
39     /**
40      * 队列出队超时时间
41      */
42     @Value("${spring.redis.queue.pop.timeout:8000}")
43     private Long popTimeout = 8000L;
44
45     @PostConstruct
46     private void init()
47     {
48         this.start();
49     }
50
51     @Override
52     public void run()
53     {
54         //监听TOPIC_HIGH_SMS队列, 如果有消息则调用短信发送工厂发送实时短信
55
56         log.info("监听队列: {}中的短信消息", queueKey);
57
58         //持续监听, 所以需要使用死循环
59         while (true)
60         {
61             String message =
stringRedisTemplate.opsForList().rightPop(queueKey, popTimeout,
TimeUnit.MILLISECONDS);
62             if (message != null)

```

```

63         {
64             //队列中有消息，需要发送短信
65             log.info("队列: {}中收到短信发送消息: {}", queueKey, message);
66             //调用短信发送工厂发送短信
67             smsFactory.send(message);
68         }
69     }
70 }
71 }

```

GeneralSmsListener具体实现:

```

1  package mao.sms_server.redismq;
2
3  import lombok.extern.slf4j.Slf4j;
4  import mao.sms_server.factory.SmsFactory;
5  import org.springframework.beans.factory.annotation.Value;
6  import org.springframework.data.redis.core.StringRedisTemplate;
7  import org.springframework.stereotype.Component;
8
9  import javax.annotation.PostConstruct;
10 import javax.annotation.Resource;
11 import java.util.concurrent.TimeUnit;
12
13 /**
14  * Project name(项目名称): sms-backend
15  * Package(包名): mao.sms_server.redismq
16  * Class(类名): GeneralSmsListener
17  * Author(作者): mao
18  * Author QQ: 1296193245
19  * GitHub: https://github.com/maomao124/
20  * Date(创建日期): 2023/1/3
21  * Time(创建时间): 14:37
22  * Version(版本): 1.0
23  * Description(描述): Redis队列消费者，监听消息队列TOPIC_GENERAL_SMS，普通优先级的
    短信，如营销短信
24  */
25
26 @Slf4j
27 @Component
28 public class GeneralSmsListener extends Thread
29 {
30     @Resource
31     private StringRedisTemplate stringRedisTemplate;
32
33     @Resource
34     private SmsFactory smsFactory;
35
36     /**
37      * 队列key
38      */
39     private final String queueKey = "TOPIC_GENERAL_SMS";
40
41     /**

```

```

42     * 队列出队超时
43     */
44     @Value("${spring.redis.queue.pop.timeout:8000}")
45     private Long popTimeout = 8000L;
46
47     @PostConstruct
48     private void init()
49     {
50         this.start();
51     }
52
53     @Override
54     public void run()
55     {
56         //监听TOPIC_GENERAL_SMS队列，如果有消息则调用短信发送工厂发送实时短信
57         log.info("监听队列: {}中的短信消息", queueKey);
58
59         //持续监听，所以需要使用死循环
60         while (true)
61         {
62             String message =
stringRedisTemplate.opsForList().rightPop(queueKey, popTimeout,
TimeUnit.MILLISECONDS);
63             if (message != null)
64             {
65                 //队列中有消息，需要发送短信
66                 log.info("队列: {}中收到短信发送消息: {}", queueKey, message);
67                 //调用短信发送工厂发送短信
68                 smsFactory.send(message);
69             }
70         }
71     }
72 }
73
74 }

```

通道消息监听器

通道消息监听器对应的类是HighServerReceiver，作用是通过Redis的发布订阅模式监听TOPIC_HIGH_SERVER频道中的消息，调用SmsConnectLoader初始化通道和更新通道。

业务逻辑：

- 1、通过Redis发布订阅模式监听TOPIC_HIGH_SERVER频道中的消息
- 2、如果消息为USE_NEW_CONNECT，表示通道更新，调用通道实例加载器SmsConnectLoader更新通道
- 3、如果消息为INIT_CONNECT，表示通道初始化，调用通道实例加载器SmsConnectLoader初始化通道

实现代码:

```
1 package mao.sms_server.redismq;
2
3 import lombok.extern.slf4j.Slf4j;
4 import mao.sms_entity.model.ServerTopic;
5 import mao.sms_server.factory.SmsConnectLoader;
6 import org.springframework.data.redis.connection.Message;
7 import org.springframework.data.redis.connection.MessageListener;
8 import org.springframework.data.redis.core.StringRedisTemplate;
9 import org.springframework.stereotype.Component;
10
11 import javax.annotation.Resource;
12
13 /**
14  * Project name(项目名称): sms-backend
15  * Package(包名): mao.sms_server.redismq
16  * Class(类名): HighServerReceiver
17  * Author(作者): mao
18  * Author QQ: 1296193245
19  * GitHub: https://github.com/maomao124/
20  * Date(创建日期): 2023/1/3
21  * Time(创建时间): 20:48
22  * Version(版本): 1.0
23  * Description(描述): Redis发布订阅
24  * 订阅者, 通过Redis的发布订阅模式监听通道相关消息
25  */
26
27 @Slf4j
28 @Component
29 public class HighServerReceiver implements MessageListener
30 {
31     @Resource
32     private StringRedisTemplate stringRedisTemplate;
33
34     @Resource
35     private SmsConnectLoader smsConnectLoader;
36
37     /**
38      * 消息监听
39      *
40      * @param message 消息
41      * @param pattern 模式
42      */
43     @Override
44     public void onMessage(Message message, byte[] pattern)
45     {
46         //消息监听, 根据消息内容调用smsConnectLoader进行通道初始化或者通道更新
47
48         //将消息体进行反序列化, 得到json字符串
49         String jsonMsg =
50             stringRedisTemplate.getDefaultSerializer().deserialize(message.getBody()).to
51             String();
52         //将json字符串封装成ServerTopic对象
```

```
51     ServerTopic serverTopic = ServerTopic.load(jsonMsg);
52
53     switch (serverTopic.getOption())
54     {
55         case ServerTopic.INIT_CONNECT://初始化通道
56             smsConnectLoader.initConnect();
57             break;
58         case ServerTopic.USE_NEW_CONNECT://更新通道
59             smsConnectLoader.changeNewConnect();
60         default:
61             break;
62     }
63
64 }
65 }
```

end

by mao
2022 01 05
