智能审核平台集群环境部署手册

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# 基础软件

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| 名称 | 版本 | 备注 |
| 操作系统 | CentOS7.2/RedHat 7.2 及以上 |  |
| 数据库 | Percona-XtraDB-Cluster 5.7.14 | 高可用集群 |
| Redis | 3.2.2以上版本 | Cluster模式 |
| Fastdfs | v4.06以上版本 | 分布式文件存储 |
| Kafka | 2.9.2-0.8.1.1以上版本 | 消息中间件 |
| Nginx | 1.8.1 | 软负载 |

# 安装步骤

## 基础环境安装

### Percona-XtraDB-Cluster集群

参见文档《数据库高可用-Percona-XtraDB-Cluster安装手册》

### Redis安装

参见文档《Redis3集群安装手册.docx》

### Kafka安装

参见文档《Kafka消息中间件安装手册.docx》

### Nginx安装

参见文档《Nginx安装配置手册.docx》

### FastDfs安装

参见文档《FastDfs安装部署手册》

## 数据初始化

### 创建登录用户

grant all privileges on \*.\* to 用户名@'%' identified by '密码' with grant option;

flush privileges;

### 运行脚本

在物理数据库集群的任意一台上执行。

* 执行脚本

审核数据库以audit开头+所属市(州/地区)的行政区划编码

audit0000-默认业务库

audit[6201-6230]为各市(州/地区)业务库,其他地区依此类推.

auditrule-规则数据库

portal-基础权限数据库

dict-字典数据库

seqdb-MyCat全局序列数据库

|  |
| --- |
| create database audit0000 DEFAULT CHARACTER SET utf8 ;  create database audit6201 DEFAULT CHARACTER SET utf8 ;  create database audit6202 DEFAULT CHARACTER SET utf8 ;  create database audit6203 DEFAULT CHARACTER SET utf8 ;  create database audit6204 DEFAULT CHARACTER SET utf8 ;  create database audit6205 DEFAULT CHARACTER SET utf8 ;  create database audit6206 DEFAULT CHARACTER SET utf8 ;  create database audit6207 DEFAULT CHARACTER SET utf8 ;  create database audit6208 DEFAULT CHARACTER SET utf8 ;  create database audit6209 DEFAULT CHARACTER SET utf8 ;  create database audit6210 DEFAULT CHARACTER SET utf8 ;  create database audit6211 DEFAULT CHARACTER SET utf8 ;  create database audit6212 DEFAULT CHARACTER SET utf8 ;  create database audit6213 DEFAULT CHARACTER SET utf8 ;  create database audit6214 DEFAULT CHARACTER SET utf8 ;  create database audit6215 DEFAULT CHARACTER SET utf8 ;  create database audit6216 DEFAULT CHARACTER SET utf8 ;  create database audit6217 DEFAULT CHARACTER SET utf8 ;  create database audit6218 DEFAULT CHARACTER SET utf8 ;  create database audit6219 DEFAULT CHARACTER SET utf8 ;  create database audit6220 DEFAULT CHARACTER SET utf8 ;  create database audit6221 DEFAULT CHARACTER SET utf8 ;  create database audit6222 DEFAULT CHARACTER SET utf8 ;  create database audit6223 DEFAULT CHARACTER SET utf8 ;  create database audit6224 DEFAULT CHARACTER SET utf8 ;  create database audit6225 DEFAULT CHARACTER SET utf8 ;  create database audit6226 DEFAULT CHARACTER SET utf8 ;  create database audit6227 DEFAULT CHARACTER SET utf8 ;  create database audit6228 DEFAULT CHARACTER SET utf8 ;  create database audit6229 DEFAULT CHARACTER SET utf8 ;  create database audit6230 DEFAULT CHARACTER SET utf8 ;  create database auditrule DEFAULT CHARACTER SET utf8 ;  create database dict DEFAULT CHARACTER SET utf8 ;  create database portal DEFAULT CHARACTER SET utf8 ;  create database seqdb DEFAULT CHARACTER SET utf8 ;  use seqdb;  /\*!40101 SET NAMES utf8 \*/;  /\*!40101 SET SQL\_MODE=''\*/;  /\*!40014 SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0 \*/;  /\*!40014 SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0 \*/;  /\*!40101 SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='NO\_AUTO\_VALUE\_ON\_ZERO' \*/;  /\*!40111 SET @OLD\_SQL\_NOTES=@@SQL\_NOTES, SQL\_NOTES=0 \*/;  /\*Table structure for table `mycat\_sequence` \*/  DROP TABLE IF EXISTS `mycat\_sequence`;  CREATE TABLE `mycat\_sequence` (  `NAME` varchar(50) NOT NULL,  `current\_value` int(11) NOT NULL,  `increment` int(11) NOT NULL DEFAULT '100',  PRIMARY KEY (`NAME`)  ) ENGINE=InnoDB DEFAULT CHARSET=utf8;  /\*Data for the table `mycat\_sequence` \*/  /\* Function structure for function `mycat\_seq\_currval` \*/  /\*!50003 DROP FUNCTION IF EXISTS `mycat\_seq\_currval` \*/;  DELIMITER $$  /\*!50003 CREATE DEFINER=`msp`@`%` FUNCTION `mycat\_seq\_currval`(seq\_name VARCHAR(50)) RETURNS varchar(64) CHARSET latin1  DETERMINISTIC  BEGIN  DECLARE retval VARCHAR(64);  SET retval="-1,0";  SELECT concat(CAST(current\_value AS CHAR),",",CAST(increment AS CHAR) ) INTO retval  FROM MYCAT\_SEQUENCE WHERE name = seq\_name;  RETURN retval ;  END \*/$$  DELIMITER ;  /\* Function structure for function `mycat\_seq\_nextval` \*/  /\*!50003 DROP FUNCTION IF EXISTS `mycat\_seq\_nextval` \*/;  DELIMITER $$  /\*!50003 CREATE DEFINER=`msp`@`%` FUNCTION `mycat\_seq\_nextval`(seq\_name VARCHAR(50)) RETURNS varchar(64) CHARSET latin1  DETERMINISTIC  BEGIN  DECLARE retval VARCHAR(64);  DECLARE val BIGINT;  DECLARE inc INT;  DECLARE seq\_lock INT;  set val = -1;  set inc = 0;  SET seq\_lock = -1;  SELECT GET\_LOCK(seq\_name, 15) into seq\_lock;  if seq\_lock = 1 then  SELECT current\_value + increment, increment INTO val, inc  FROM MYCAT\_SEQUENCE WHERE name = seq\_name for update;  if val != -1 then  UPDATE MYCAT\_SEQUENCE SET current\_value = val WHERE name = seq\_name;  end if;  SELECT RELEASE\_LOCK(seq\_name) into seq\_lock;  end if;  SELECT concat(CAST((val - inc + 1) as CHAR),",",CAST(inc as CHAR)) INTO retval;  RETURN retval;  END \*/$$  DELIMITER ;  /\* Function structure for function `mycat\_seq\_setval` \*/  /\*!50003 DROP FUNCTION IF EXISTS `mycat\_seq\_setval` \*/;  DELIMITER $$  /\*!50003 CREATE DEFINER=`msp`@`%` FUNCTION `mycat\_seq\_setval`(seq\_name VARCHAR(50), value INTEGER) RETURNS varchar(64) CHARSET latin1  DETERMINISTIC  BEGIN  DECLARE retval VARCHAR(64);  DECLARE inc INT;  SET inc = 0;  SELECT increment INTO inc FROM MYCAT\_SEQUENCE WHERE name = seq\_name;  UPDATE MYCAT\_SEQUENCE SET current\_value = value WHERE name = seq\_name;  SELECT concat(CAST(value as CHAR),",",CAST(inc as CHAR)) INTO retval;  RETURN retval;  END \*/$$  DELIMITER ;  /\*!40101 SET SQL\_MODE=@OLD\_SQL\_MODE \*/;  /\*!40014 SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS \*/;  /\*!40014 SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS \*/;  /\*!40111 SET SQL\_NOTES=@OLD\_SQL\_NOTES \*/;  INSERT INTO mycat\_sequence(name, current\_value, increment)  VALUES ('location', 10000, 50),  ('logs', 10000, 50),  ('dict', 10000, 50),  ('role\_resources', 10000, 50),  ('attach', 10000, 50),  ('users\_role', 10000, 50),  ('department', 10000, 50),  ('msp\_audit\_item', 10000, 50),  ('msp\_audit\_item\_param', 10000, 50),  ('msp\_audit\_level', 10000, 50),  ('msp\_audit\_rule', 10000, 50),  ('msp\_audit\_rule\_activelog', 10000, 50),  ('msp\_audit\_rule\_area', 10000, 50),  ('msp\_audit\_rule\_attr', 10000, 50),  ('msp\_audit\_rule\_auditlog', 10000, 50),  ('msp\_audit\_rule\_branch', 10000, 50),  ('msp\_audit\_rule\_condition', 10000, 50),  ('msp\_audit\_rule\_condition\_values', 10000, 50),  ('msp\_audit\_rule\_log', 10000, 50),  ('msp\_audit\_rule\_node', 10000, 50),  ('msp\_audit\_rule\_right', 10000, 50),  ('msp\_audit\_rule\_testlog', 10000, 50),  ('msp\_audit\_rule\_version', 10000, 50),  ('msp\_dict\_drug\_book', 10000, 50),  ('msp\_dict\_drug\_detail', 10000, 50),  ('msp\_dict\_icd\_area', 10000, 50),  ('msp\_dict\_knowledge\_abstract', 10000, 50),  ('msp\_dict\_catalog\_area', 10000, 50),  ('msp\_clinic\_audit', 10000, 50),  ('msp\_clinic\_audit\_detail', 10000, 50),  ('msp\_clinic\_autoaudit', 10000, 50),  ('msp\_clinic\_autoaudit\_detail', 10000, 50),  ('msp\_clinic\_clarify', 10000, 50),  ('msp\_clinic\_firstaudit', 10000, 50),  ('msp\_clinic\_firstaudit\_detail', 10000, 50),  ('msp\_clinic\_info', 10000, 50),  ('msp\_clinic\_info\_detail', 10000, 200),  ('msp\_clinic\_reaudit', 10000, 50),  ('msp\_clinic\_reaudit\_detail', 10000, 50),  ('msp\_hosp\_audit', 10000, 50),  ('msp\_hosp\_audit\_detail', 10000, 50),  ('msp\_hosp\_autoaudit', 10000, 50),  ('msp\_hosp\_autoaudit\_detail', 10000, 50),  ('msp\_hosp\_clarify', 10000, 50),  ('msp\_hosp\_diagnose', 10000, 50),  ('msp\_hosp\_firstaudit', 10000, 50),  ('msp\_hosp\_firstaudit\_detail', 10000, 50),  ('msp\_hosp\_info', 10000, 50),  ('msp\_hosp\_info\_detail', 10000, 500),  ('msp\_hosp\_operation', 10000, 50),  ('msp\_hosp\_reaudit', 10000, 50),  ('msp\_hosp\_reaudit\_detail', 10000, 50); |

## MyCat安装配置

### 下载解压

下载MyCat发布文件,目前版本为1.6

### 配置

#### server.xml配置参考

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <!-- - - Licensed under the Apache License, Version 2.0 (the "License");  - you may not use this file except in compliance with the License. - You  may obtain a copy of the License at - - http://www.apache.org/licenses/LICENSE-2.0  - - Unless required by applicable law or agreed to in writing, software -  distributed under the License is distributed on an "AS IS" BASIS, - WITHOUT  WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. - See the  License for the specific language governing permissions and - limitations  under the License. -->  <!DOCTYPE mycat:server SYSTEM "server.dtd">  <mycat:server xmlns:mycat="http://io.mycat/">  <system>  <property name="useSqlStat">1</property> <!-- 1为开启实时统计、0为关闭 -->  <property name="useGlobleTableCheck">0</property> <!-- 1为开启全加班一致性检测、0为关闭 -->  <property name="sequnceHandlerType">1</property>  <property name="useCompression">1</property> <!--1为开启mysql压缩协议-->  <property name="fakeMySQLVersion">5.7.0</property> <!--设置模拟的MySQL版本号-->  <!-- <property name="processorBufferChunk">40960</property> -->  <!--  <property name="processors">1</property>  <property name="processorExecutor">32</property>  -->  <!--默认为type 0: DirectByteBufferPool | type 1 ByteBufferArena-->  <property name="processorBufferPoolType">0</property>  <!--默认是65535 64K 用于sql解析时最大文本长度 -->  <!--<property name="maxStringLiteralLength">65535</property>-->  <!--<property name="sequnceHandlerType">0</property>-->  <!--<property name="backSocketNoDelay">1</property>-->  <!--<property name="frontSocketNoDelay">1</property>-->  <!--<property name="processorExecutor">16</property>-->  <!--  <property name="serverPort">8066</property> <property name="managerPort">9066</property>  <property name="idleTimeout">300000</property> <property name="bindIp">0.0.0.0</property>  <property name="frontWriteQueueSize">4096</property> <property name="processors">32</property> -->  <!--分布式事务开关，0为不过滤分布式事务，1为过滤分布式事务（如果分布式事务内只涉及全局表，则不过滤），2为不过滤分布式事务,但是记录分布式事务日志-->  <property name="handleDistributedTransactions">2</property>  <!-- off heap for merge/order/group/limit 1开启 0关闭 -->  <property name="useOffHeapForMerge">1</property>  <!--  单位为m  -->  <property name="memoryPageSize">1m</property>  <!-- 单位为k -->  <property name="spillsFileBufferSize">1k</property>  <property name="useStreamOutput">0</property>  <!-- 单位为m -->  <property name="systemReserveMemorySize">384m</property>  <!--是否采用zookeeper协调切换 -->  <property name="useZKSwitch">true</property>  </system>    <!-- 全局SQL防火墙设置 -->  <!--  <firewall>  <whitehost>  <host host="127.0.0.1" user="mycat"/>  <host host="127.0.0.2" user="mycat"/>  </whitehost>  <blacklist check="false">  </blacklist>  </firewall>  -->  <user name="audit">  <property name="password">audit</property>  <property name="schemas">audit</property>  </user>    </mycat:server> |

#### schema.xml配置参考

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| --- |
| <?xml version="1.0"?>  <!DOCTYPE mycat:schema SYSTEM "schema.dtd">  <mycat:schema xmlns:mycat="http://io.mycat/">  <schema name="audit" checkSQLschema="false">  <!--基础权限相关-->    <table name="config" primaryKey="config\_key" dataNode="portal" />  <table name="dict\_category" primaryKey="category\_id" dataNode="portal" />  <table name="files" primaryKey="file\_path" dataNode="portal" />  <table name="task" primaryKey="task\_id" dataNode="portal" />  <table name="notice" primaryKey="notice\_id" dataNode="portal" />  <table name="persistent\_logins" primaryKey="token" dataNode="portal" />    <table name="resources" primaryKey="RESOURCES\_ID" dataNode="portal" />  <table type="global" name="role" primaryKey="ROLE\_ID" dataNode="portal,auditrule" />  <table name="location" primaryKey="location\_id" autoIncrement="true" dataNode="portal" />  <table name="logs" primaryKey="id" autoIncrement="true" dataNode="portal" />  <table name="dict" primaryKey="id" autoIncrement="true" dataNode="portal" />  <table name="role\_resources" primaryKey="id" autoIncrement="true" dataNode="portal" />  <table name="attach" primaryKey="attach\_id" autoIncrement="true" dataNode="portal" />  <table name="users\_role" primaryKey="id" autoIncrement="true" dataNode="portal" />    <table type="global" name="province" primaryKey="CODE" dataNode="portal,auditrule,dict,audit0000,audit$6201-6230" />  <table type="global" name="users" primaryKey="USER\_ID" dataNode="portal,auditrule,dict,audit0000,audit$6201-6230"/>  <table type="global" name="department" primaryKey="DEPARTMENT\_ID" autoIncrement="true" dataNode="portal,auditrule,dict,audit0000,audit$6201-6230"/>  <!--审核规则定义-->  <table name="msp\_audit\_folder" primaryKey="code" dataNode="auditrule"/>  <table name="msp\_audit\_item" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_item\_param" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_level" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_activelog" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_area" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_attr" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_auditlog" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_branch" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_condition" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_condition\_values" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_log" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_node" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_right" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_testlog" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <table name="msp\_audit\_rule\_version" primaryKey="id" autoIncrement="true" dataNode="auditrule"/>  <!--字典表-->  <table name="msp\_dict\_catalog\_std" primaryKey="code" dataNode="dict"/>  <table name="msp\_dict\_icd\_std" primaryKey="code" dataNode="dict"/>  <table name="msp\_dict\_knowledge" primaryKey="code" dataNode="dict"/>  <table name="msp\_dict\_drug\_book" primaryKey="id" autoIncrement="true" dataNode="dict"/>  <table name="msp\_dict\_drug\_detail" primaryKey="id" autoIncrement="true" dataNode="dict"/>  <table name="msp\_dict\_icd\_area" primaryKey="id" autoIncrement="true" dataNode="dict"/>  <table type="global" name="msp\_dict\_knowledge\_abstract" primaryKey="id" autoIncrement="true" dataNode="dict,auditrule"/>  <table name="msp\_dict\_catalog\_area" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230"/>  <!--审核业务表-->  <table name="msp\_clinic\_audit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_audit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_autoaudit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_autoaudit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_clarify" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_firstaudit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_firstaudit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_info" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_info\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_reaudit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_clinic\_reaudit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_audit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_audit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_autoaudit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_autoaudit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_clarify" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_diagnose" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_firstaudit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_firstaudit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_info" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_info\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_operation" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_reaudit" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  <table name="msp\_hosp\_reaudit\_detail" primaryKey="id" autoIncrement="true" rule="areaPrefix" dataNode="audit0000,audit$6201-6230" />  </schema>  <dataNode name="seqdb" dataHost="seqhost" database="seqdb" />  <dataNode name="portal" dataHost="audithost" database="portal" />  <dataNode name="auditrule" dataHost="audithost" database="auditrule" />  <dataNode name="dict" dataHost="audithost" database="dict" />  <dataNode name="audit0000" dataHost="audithost" database="audit0000" />  <dataNode name="audit$6201-6230" dataHost="audithost" database="audit$6201-6230" />    <dataHost name="audithost" maxCon="1000" minCon="10" balance="0" writeType="1" dbType="mysql" dbDriver="native" switchType="3" slaveThreshold="100">  <heartbeat>show status like ‘wsrep%’</heartbeat>  <writeHost host="hostM1" url="10.12.8.111:3306" user="msp" password="msp"/>  <writeHost host="hostM2" url="10.12.8.112:3306" user="msp" password="msp"/>  <writeHost host="hostM3" url="10.12.8.113:3306" user="msp" password="msp"/>  </dataHost>  <!—策略上不同,规避数据库集群锁的问题,避免全局序列重复-->  <dataHost name="seqhost" maxCon="1000" minCon="10" balance="0" writeType="0" dbType="mysql" dbDriver="native" switchType="1" slaveThreshold="100">  <heartbeat>select 1;</heartbeat>  <writeHost host="hostM1" url="10.12.8.111:3306" user="msp" password="msp"/>  <writeHost host="hostM2" url="10.12.8.112:3306" user="msp" password="msp"/>  <writeHost host="hostM3" url="10.12.8.113:3306" user="msp" password="msp"/>  </dataHost>  </mycat:schema> |

红色用户名密码部分根据创建的用户名密码修改

#### rule.xml配置参考

|  |
| --- |
| <?xml version="1.0" encoding="UTF-8"?>  <!-- - - Licensed under the Apache License, Version 2.0 (the "License");  - you may not use this file except in compliance with the License. - You  may obtain a copy of the License at - - http://www.apache.org/licenses/LICENSE-2.0  - - Unless required by applicable law or agreed to in writing, software -  distributed under the License is distributed on an "AS IS" BASIS, - WITHOUT  WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. - See the  License for the specific language governing permissions and - limitations  under the License. -->  <!DOCTYPE mycat:rule SYSTEM "rule.dtd">  <mycat:rule xmlns:mycat="http://io.mycat/">  <tableRule name="areaPrefix">  <rule>  <columns>areaCode</columns>  <algorithm>subStringFileMap</algorithm>  </rule>  </tableRule>  <function name="subStringFileMap"  class="com.aspirecn.msp.mycat.route.function.PartitionBySubStringFileMap">  <property name="size">4</property>  <property name="type">1</property>  <property name="mapFile">partition-substring-file.txt</property>  </function>  </mycat:rule> |

自定义分区策略,以行政区划字段的前四位指定物理存储节点

#### partition-substring-file.txt配置

位置与schema.xml的dataNode的位置对应

|  |
| --- |
| DEFAULT\_NODE=0  6201=1  6202=2  6203=3  6204=4  6205=5  6206=6  6207=7  6208=8  6209=9  6210=10  6211=11  6212=12  6213=13  6214=14  6215=15  6216=16  6217=17  6218=18  6219=19  6220=20  6221=21  6222=22  6223=23  6224=24  6225=25  6226=26  6227=27  6228=28  6229=29  6230=30 |

#### 配置全局序列属性文件

sequence\_db\_conf.properties

|  |
| --- |
| #sequencestoredindatanode  GLOBAL=seqdb  LOCATION=seqdb  LOGS=seqdb  DICT=seqdb  ROLE\_RESOURCES=seqdb  ATTACH=seqdb  USERS\_ROLE=seqdb  DEPARTMENT=seqdb  MSP\_AUDIT\_ITEM=seqdb  MSP\_AUDIT\_ITEM\_PARAM=seqdb  MSP\_AUDIT\_LEVEL=seqdb  MSP\_AUDIT\_RULE=seqdb  MSP\_AUDIT\_RULE\_ACTIVELOG=seqdb  MSP\_AUDIT\_RULE\_AREA=seqdb  MSP\_AUDIT\_RULE\_ATTR=seqdb  MSP\_AUDIT\_RULE\_AUDITLOG=seqdb  MSP\_AUDIT\_RULE\_BRANCH=seqdb  MSP\_AUDIT\_RULE\_CONDITION=seqdb  MSP\_AUDIT\_RULE\_CONDITION\_VALUES=seqdb  MSP\_AUDIT\_RULE\_LOG=seqdb  MSP\_AUDIT\_RULE\_NODE=seqdb  MSP\_AUDIT\_RULE\_RIGHT=seqdb  MSP\_AUDIT\_RULE\_TESTLOG=seqdb  MSP\_AUDIT\_RULE\_VERSION=seqdb  MSP\_DICT\_DRUG\_BOOK=seqdb  MSP\_DICT\_DRUG\_DETAIL=seqdb  MSP\_DICT\_ICD\_AREA=seqdb  MSP\_DICT\_KNOWLEDGE\_ABSTRACT=seqdb  MSP\_DICT\_CATALOG\_AREA=seqdb  MSP\_CLINIC\_AUDIT=seqdb  MSP\_CLINIC\_AUDIT\_DETAIL=seqdb  MSP\_CLINIC\_AUTOAUDIT=seqdb  MSP\_CLINIC\_AUTOAUDIT\_DETAIL=seqdb  MSP\_CLINIC\_CLARIFY=seqdb  MSP\_CLINIC\_FIRSTAUDIT=seqdb  MSP\_CLINIC\_FIRSTAUDIT\_DETAIL=seqdb  MSP\_CLINIC\_INFO=seqdb  MSP\_CLINIC\_INFO\_DETAIL=seqdb  MSP\_CLINIC\_REAUDIT=seqdb  MSP\_CLINIC\_REAUDIT\_DETAIL=seqdb  MSP\_HOSP\_AUDIT=seqdb  MSP\_HOSP\_AUDIT\_DETAIL=seqdb  MSP\_HOSP\_AUTOAUDIT=seqdb  MSP\_HOSP\_AUTOAUDIT\_DETAIL=seqdb  MSP\_HOSP\_CLARIFY=seqdb  MSP\_HOSP\_DIAGNOSE=seqdb  MSP\_HOSP\_FIRSTAUDIT=seqdb  MSP\_HOSP\_FIRSTAUDIT\_DETAIL=seqdb  MSP\_HOSP\_INFO=seqdb  MSP\_HOSP\_INFO\_DETAIL=seqdb  MSP\_HOSP\_OPERATION=seqdb  MSP\_HOSP\_REAUDIT=seqdb  MSP\_HOSP\_REAUDIT\_DETAIL=seqdb |

#### 拷贝Lib包

项目文档\部署文档\mycat\lib中的Jar包到Mycat的lib目录下

#### 启动

切换到MyCat目录

./bin/mycat start[服务启动]

./bin/mycat stop[服务停止]

./bin/mycat console[console启动]

## 应用安装

### 数据库初始化

连接MyCat逻辑数据库，端口默认为8066

mysql -u 用户名 -p –P 8066 -h [ip]

use [数据库名]

数据库名和用户名密码使用mycat的server.xml中配置的内容.

执行建表脚本

注意：要建立的数据表必须在schema.xml预先配置

### 安装后台服务

#### 安装服务

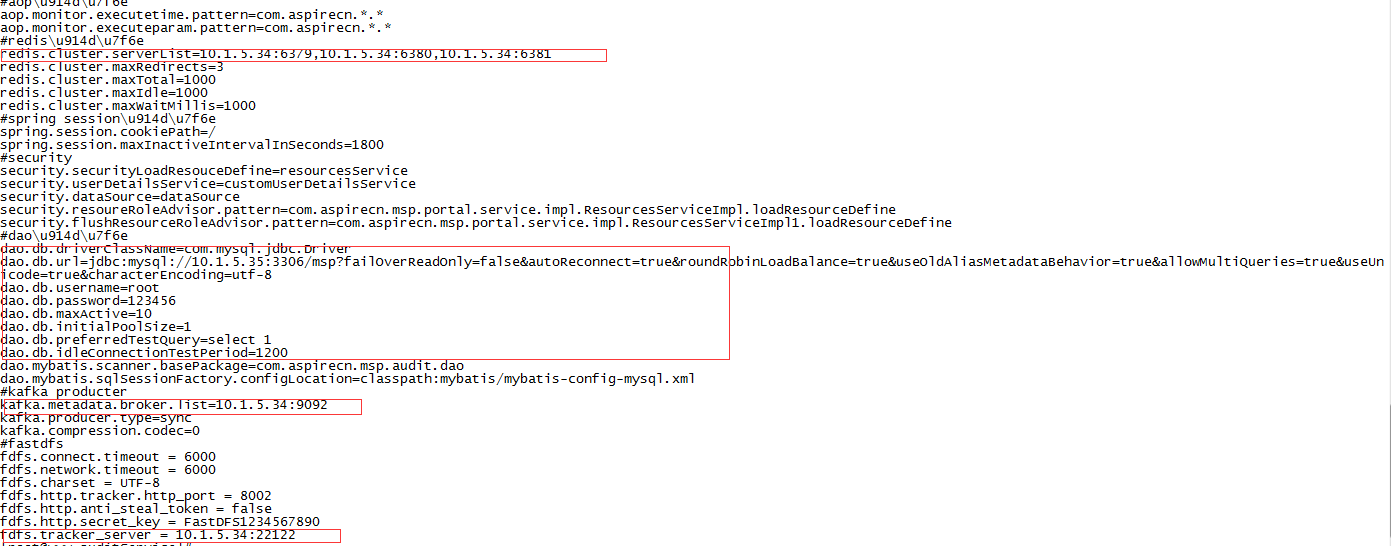
* 安装配置

拷贝发布的zip文件到部署目录中,解压文件

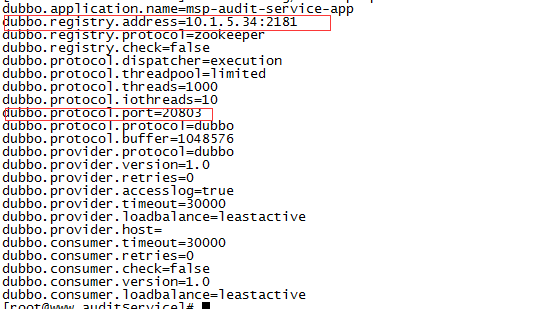
unzip ­-q [zip文件名] -d [目标目录]

修改config目录下的配置文件

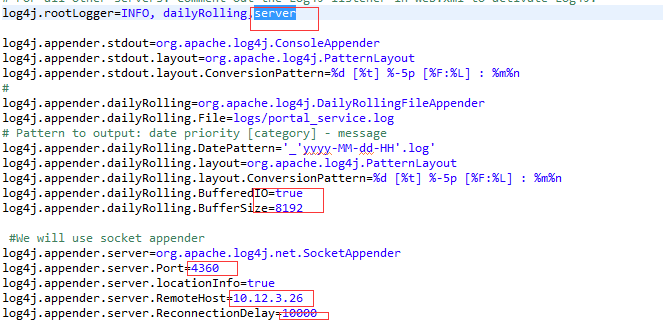
config.properties 基本配置文件,Redis\数据库等[数据库连接Mycat的数据库]



dubbo.properties dubbo的配置属性，一般只需要修改zk地址和端口号



配置日志：log4j.properties



* 启停

chmod +x \*.sh

./start.sh[启动]

./stop.sh[关闭]

#### 安装WEB程序

解压war包到Tomcat目录下,同服务配置

启动与关闭即启停Tomcat

### 日志服务安装

拷贝日志发布包log4jServer.zip，解压到log4jServer目录。

cd log4jServer

chmod +x \*.sh

启动服务：./start.sh

关闭服务：./stop.sh

如需修改日志服务列表：config/server.properties

## 监控管理安装

### 安装Dubbo管理程序

下载[dubbo-admin-2.5.4.war](http://10.1.3.180:8803/common/tools/dubbo/dubbo-admin-2.5.4.war)

将war解压到Tomcat的ROOT目录

修改ROOT/WEB-INF/dubbo.properties文件中zk配置地址



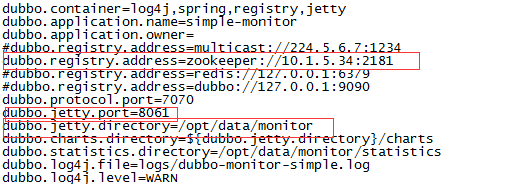
启动Tomcat

### 安装Dubbo监控程序

下载[dubbo-monitor-simple-2.5.3-assembly.tar.gz](http://10.1.3.180:8803/common/tools/dubbo/dubbo-monitor-simple-2.5.3-assembly.tar.gz)

解压：tar -zxf dubbo-monitor-simple-2.5.3-assembly.tar.gz

配置：配置conf/dubbo.properties文件中的ZK地址、数据目录及端口



启动：./bin/start.sh

### 安装kafka管理程序

下载：[kafka-web-console-2.1.0-SNAPSHOT.zip](http://10.1.3.180:8803/common/tools/msg/kafka-web-console-2.1.0-SNAPSHOT.zip)

安装JDK1.8.\*( Kafka管理程序需要Jdk1.8)

参见文档《Kafka消息中间件安装手册.docx》

### 安装Mycat监控程序

下载：[Mycat-web-1.0-SNAPSHOT-20160617163048-linux.tar.gz](http://10.1.3.180:8803/common/tools/mycat/Mycat-web-1.0-SNAPSHOT-20160617163048-linux.tar.gz)

解压：tar -zxf [Mycat-web-1.0-SNAPSHOT-20160617163048-linux.tar.gz](http://10.1.3.180:8803/common/tools/mycat/Mycat-web-1.0-SNAPSHOT-20160617163048-linux.tar.gz)

配置WEB：修改etc/ jetty.xml 配置端口等信息。

启动：./start.sh

配置：<http://ip>:端口[默认8082]/mycat/

