《BI部署文档》

V1.1

## 产品部署架构

### 部署架构图



### 架构图节点说明

|  |  |  |
| --- | --- | --- |
| 序号 | 模块 | 描述 |
| 1 | bdp-agile-bi-consumer | BI 后端主服务 |
| 2 | bdp-bi-process | BI 流程服务 |
| 3 | bdp-agile-bi-provider | BI JSF功能提供服务 |
| 4 | bdp-agile-bi-thor | BI presto查询服务 |
| 5 | agilebi | BI 前端服务 |

## 依赖需求

|  |  |  |
| --- | --- | --- |
| **模块** | **依赖** | **部署方式** |
| 产品依赖 | 门户 | 提前准备 |
| 流程 | 提前准备 |
| 权限 | 提前准备 |
| 环境中间件 | JDK | 天玑 |
| Kerberos | 天玑 |
| Hadoop | 天玑 |
| Hive | 天玑 |
| Mysql | 天玑 |
| Presto | 天玑 |
| glusterfs | 天玑 |
| PAAS | JSF | 提前准备 |
| R2M | 提前准备 |
|  | FMQ | 提前准备 |
| 开源组件 | Dubbo | 提前准备 |
| Redis | 提前准备 |
| Kafka | 提前准备 |
|  | Apollo | 提前准备 |

## 部署前准备

### 部署包信息

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 模块 | 版本 | 备注 |
| 1 | bdp-agile-bi-consumer.tar.gz | V1.1 |  |
| 2 | bdp-bi-process.tar.gz | V1.1 |  |
| 3 | bdp-agile-bi-provider.tar.gz | V1.1 |  |
| 4 | bdp-agile-bi-thor.tar.gz | V1.1 |  |
| 5 | agilebi.zip | V1.1 |  |
| 6 | bdp\_bi\_analysis\_sge.sql |  |  |
| 7 | bdp\_bi\_explore\_sge.sql |  |  |

### 安装用户

|  |  |  |
| --- | --- | --- |
| **用户** | **是否需要sudo权限** | **备注** |
| admin | 否 |  |

### 部署路径

|  |  |  |
| --- | --- | --- |
| **组件** | **路径** | |
| 全部 | 部署路径 | /export/App/{模块名} |
| 日志路径 | /export/log/{模块名} |

## 环境初始化

### 上传部署介质

创建介质目录

mkdir –p /export/App

mkdir -p /export/ocean\_store/data\_bi

将部署介质脚本上传到目录 /export/server/App

### 检查JDK

1. 检测环境变量

|  |
| --- |
| $ java -version |

如果存在且版本为1.8.XXX可不用安装

1. 配置Java环境变量

|  |
| --- |
| $ vim ~/.bash\_profile |

1. 添加以下环境变量（jdk安装路径作为依据）

|  |
| --- |
| export JAVA\_HOME=/export/servers/jdk1.8  export PATH=${JAVA\_HOME}/bin:$PATH |

1. 重新刷新

|  |
| --- |
| $ source ~/.bashrc |

1. 检测是否安装成功

|  |
| --- |
| $ java –version |

出现java版本号即为安装成功



### 数据库

登录mysql数据库建库

|  |
| --- |
| mysql –h IP –u user –p   * create database if not exists bdp\_bi\_analysis\_sge; * source /export/App/bdp\_bi\_analysis\_sge.sql * create database if not exists bdp\_bi\_explore\_sge; * source /export/App/bdp\_bi\_explore\_sge.sql |

修改初始化语句

|  |
| --- |
| INSERT INTO `datasource` VALUES ('1', '20200825121453891508395127612991', '本地数据源', '2', 'bdp\_bi\_explore\_sge', null, 'm\_bdp\_bi\_explore\_sge\_zSEf', '2EDmf3', '3306', 'com.mysql.jdbc.Driver', 'bdp-data.db.101bank.local', '1', NOW(), 'ocean', NOW(), null);  INSERT INTO `datasource` VALUES ('2', '20200825161148891508395123903128', '5K', '7', 'default', '5K', null, null, null, null, null, '1', NOW(), 'ocean', NOW(), null);  INSERT INTO `sys\_authority` VALUES ('1', 'ocean', '数据平台', null, '8|82|91|2|21|222|7|75|71|72|6|62|61|3|111|109|107|108|35|102|32|33|31|201|1171|11241|2231|4|41|42|43|45|44|10|1022|101|9|92', '3', '1', '1', 'admin', NOW(), 'admin', NOW(), null, null); |

需要修改4项分别对应explore 数据库的： 用户名，密码，数据库地址，BI平台用户

修改后在bdp\_bi\_analysis\_sge库下执行语句，写入数据

### GlusterFS初始化(POC只部署一个节点时此步骤忽略)

1. 登录gluster fs server端服务器（10.xx.xx.xx）

mkdir -p /export/ocean\_store/bi

chown -R admin:admin ocean\_store/

1. 创建挂载卷

gluster volume create bi replica 1 transport tcp 10.xx.xx.xx:/export/ocean\_store/bi

1. 启动挂载卷

gluster volume start bi

1. 登录BI服务器

mount -t glusterfs 10.240.151.112:/bi /export/ocean\_store/data\_bi

## BI后端服务部署

### 配置修改

**（注：配置中标“黄色”部分需要按环境修改）**

#### bdp-agile-bi-consumer

tar zvxf /export/App/bdp-agile-bi-consumer.tar.gz

cd /export/App/bdp-agile-bi-consumer/lib

vim bdp-agile-bi-consumer.jar （如果没有vim命令，切换root 安装vim命令工具）

修改 BOOT-INF/classes/application.properties 文件

|  |
| --- |
| server.port = 8001  spring.profiles.active = dev  # gaia  bdp.routerurl.gaia=http://internal.bdp-gaia-api-gateway/common-authority/  bdp.gaia.cluster=1  bdp.gaia.cluster.5k=13  # jsf 注册中新地址  bdp.jsf.registurl=10.222.24.69:20020  bdp.jsf.alias=bdp-bi  #======bi-fmq.properties======  bdp.fmq.registurl=(10.222.25.244:50066)/fmq/fmq  bdp.fmq-bi.app=bdp\_bi\_thor  bdp.fmq-bi.user=bdp\_bi\_thor  bdp.fmq-bi.password=91913179  bdp.fmq-bi.topic=user\_visit\_app\_log  #------------UAS 单点登录配置 --------------#  bdp.uas.loginsystem=ocean  bdp.uas.salt=88e574cdcb1a44a89d65ec6992b6c0cf  bdp.uas.appurl=http://uas.pudao  bdp.uas.uasurl=http://uas.pudao  bdp.uas.homeurl=http://linking.101bank.sh/board  bdp.uas.asmurl=http://linking-asm-core.101bank.sh  bdp.uas.cookiedomain=101bank.sh  bdp.uas.cookiecipherkey=CW9bG0LwftWBr9W5v3gWug==  bdp.uas.cookiemaxage=1728000000  bdp.uas.invalid=false  bdp.uas-bi.exeludepath=  # 本地数据源上产文件路径  bdp.local.ds.mode=local  bdp.local.ds.filepath=/export/ocean/data\_bi/  bdp.global.ds.filepath=/export/ocean\_store/data\_bi/upload  # bi 后台路径  bi.api.domain=http://linking-bi-api.101bank.sh |

#### bdp-agile-bi-provider

tar zvxf /export/App/bdp-agile-bi-provider.tar.gz

cd /export/App/bdp-agile-bi-provider/lib

vim bdp-agile-bi-provider.jar （如果没有vim命令，切换root 安装vim命令工具）

修改 BOOT-INF/classes/application.properties 文件

|  |
| --- |
| server.port = 11612  spring.profiles.active=dev  # asm  bdp.routerurl.asm=http://linking-asm-core.101bank.sh  bdp.asm.token=F15A180DE0AA4A8A8E7027DE7A5B9B4D  # UWC  bdp.routerurl.msg=http://internal.bdp-portal-msg-center/api/sendCustom  # fmq  bdp.fmq.registurl=(10.222.25.244:50066)/fmq/fmq  bdp.fmq-bi.app=bdp\_bi\_provider  bdp.fmq-bi.user=bdp\_bi\_provider  bdp.fmq-bi.password=37E3E948  bdp.fmq-bi.topic=ocean\_gravity\_job\_status  bdp.fmq-bi.emailSubscribe.topic=ocean\_agilebi\_email\_subscribe  #======bi-hive.properties======  #对接资管管理配置  bdp.routerurl.gaia=http://internal.bdp-gaia-api-gateway/common-authority/  bdp.gaia.cluster=1  bdp.gaia.cluster.5k=13  #======bi-jsf.properties======  bdp.jsf.registurl=10.222.24.69:20020  bdp.jsf.alias=bdp-bi  # BI 业务库  bdp.mysql-bi.host=10.222.68.45:3306  bdp.mysql-bi.database=bdp\_bi\_analysis\_sge  bdp.mysql-bi.username=c\_bdp\_bi\_analIzQ  bdp.mysql-bi.password=l#vBNZxAy2(dJB!sM9by$8Ol  # BI 本地数据源库  bdp.mysql-bi-localds.host=10.222.68.45  bdp.mysql-bi-localds.port=3306  bdp.mysql-bi-localds.database=bdp\_bi\_explore\_sge  bdp.mysql-bi-localds.username=c\_bdp\_bi\_explorF  bdp.mysql-bi-localds.password=GJ6n0?tV&HuHFeZ!H#2hg3OS  #======bi-presto.properties======  bdp.presto.url=jdbc:presto://10.222.29.59:8081/hive/default  #======bi-r2m.propertirs======  bdp.r2m.registurl=10.222.24.66:8175  bdp.r2m-bi.name=admin\_bdp-bi-thor\_bdp-bi-thor\_bdp-bi-thor  bdp.r2m-bi.token=0250464feb  bdp.r2m-bi.password=lKBD8kAkgTcC6tDD  bdp.local.ds.mode=local  bdp.local.ds.filepath=/export/ocean/data\_bi/  bdp.global.ds.filepath=/export/ocean\_store/data\_bi/upload  bi.domain=http://linking-bi.101bank.sh  bi.api.domain=http://linking-bi-api.101bank.sh |

#### bdp-agile-bi-thor

tar zvxf /export/App/bdp-agile-bi-thor.tar.gz

cd /export/App/bdp-agile-bi-thor/lib

vim bdp-agile-bi-thor.jar （如果没有vim命令，切换root 安装vim命令工具）

修改 BOOT-INF/classes/application.properties 文件

|  |
| --- |
| # 端口配置  server.port = 11611  spring.profiles.active = dev  # presto  bdp.presto.url=jdbc:presto://10.222.29.59:8081  # jsf  bdp.jsf.registurl=10.222.24.69:20020  bdp.jsf.alias=bdp-bi  # fmq  bdp.fmq-bi.app=bdp\_bi\_thor  bdp.fmq.registurl=(10.222.25.244:50066)/fmq/fmq  bdp.fmq-bi.user=bdp\_bi\_thor  bdp.fmq-bi.password=91913179  # mysql  bdp.mysql-bi.host=10.222.68.45:3306  bdp.mysql-bi.database=bdp\_bi\_explore\_sge  bdp.mysql-bi.username=c\_bdp\_bi\_explorF  bdp.mysql-bi.password=GJ6n0?tV&HuHFeZ!H#2hg3OS  # r2m  bdp.r2m.registurl=10.222.24.66:8175  bdp.r2m-bi.name=admin\_bdp-bi-thor\_bdp-bi-thor\_bdp-bi-thor  bdp.r2m-bi.token=0250464feb  bdp.r2m-bi.password=lKBD8kAkgTcC6tDD |

#### bdp-bi-process

tar zvxf /export/App/bdp-bi-process.tar.gz

cd /export/App/bdp-agile-bi-process/webapps/WEB-INF/classes

vim process-spring-conf.properties （如果没有vim命令，切换root 安装vim命令工具）

只修改如下配置项：

|  |
| --- |
| #MySQL配置  jdbc.url=jdbc:mysql://10.222.68.45:3306/bdp\_bi\_analysis\_sge?useUnicode=true&characterEncoding=utf-8&autoreconnect=true  jdbc.username=c\_bdp\_bi\_analIzQ  jdbc.password=l#vBNZxAy2(dJB!sM9by$8Ol  #JSF注册中心  jsf.index=10.222.24.69:20020 |

vim process-sso-conf.properties

|  |
| --- |
| #------------UAS 单点登录配置 --------------#  # uas.invalid false 时，走UAS认证  uas.login.system=ocean  uas.salt=88e574cdcb1a44a89d65ec6992b6c0cf  uas.app.url=http://uas.pudao  uas.uas.url=http://uas.pudao  uas.home.url=http://linking.101bank.sh/board  uas.asm.url=http://linking-asm-core.101bank.sh  uas.cookie.domain=101bank.sh  uas.cookie.cipherKey=CW9bG0LwftWBr9W5v3gWug==  #uas.cookie.name=jdfcloud  uas.cookie.maxAge=1728000000  uas.exclude.path=/process/downloadData,/process/getProcessById  uas.invalid=false |

### 服务启动

#### bdp-agile-bi-consumer

|  |
| --- |
| cd /export/App/bdp-agile-bi-consumer/bin  sh start.sh |

查看日志

|  |
| --- |
| tail -f /export/log/bdp-agile-bi-consumer/console.log |

#### bdp-agile-bi-provider

|  |
| --- |
| cd /export/App/bdp-agile-bi-provider/bin  sh start.sh |

查看日志

|  |
| --- |
| tail -f /export/log/bdp-agile-bi-provider/console.log |

#### bdp-agile-bi-thor

|  |
| --- |
| cd /export/App/bdp-agile-bi-thor/bin  sh start.sh |

查看日志

|  |
| --- |
| tail -f /export/log/bdp-agile-bi-thor/console.log |

#### bdp-agile-bi-process

|  |
| --- |
| cd /export/App/bdp-agile-bi-process/bin  sh start.sh |

查看日志

|  |
| --- |
| tail -f /export/App/bdp-agile-bi-process/logs/catalina.out |

## BI前端服务部署

1. cd /export/servers

2. mkdir node\_apps

3. cd node\_apps

4. mv /export/App/agilebi.zip agilebi.zip

5. unzip agilebi.zip

6. vim agilebi/app/conf/api\_config.json 修改配置文件，分别修改api、asm中的domain为对应的服务地址，api和asm直接使用IP端口

{

    "api":{

        "comment":"接口地址",

        "domain":"http://linking-bi-api.101bank.sh",

    },

    "asm":{

        "comment":"获取菜单",

        "domain":"http://linking-asm-core.101bank.sh",

},

"cookieName":{

        "comment":"获取登录信息的cooke名",

        "domain":"ocean\_ticket",

    }

}

7. 启动。 在agilebi目录下 cd bin. sh start.sh. 启动。

8. 通过pm2 list 可查看 node 部署情况。查看www 的 status 是否为 online

9. 通过 pm2 log 可查看log日志

## 前台操作

1. 进入门户



1. 登录后进入控制台选择菜单：点击 Agile BI

3、进入BI系统

