BI可视化部署手册

1. 程序包结构说明：

*对部署包目录进行简要介绍，对部署时涉及的重要文件做简要说明,如：*

Helios-bi：

|  |  |
| --- | --- |
| /biServer/helios-bi/portal/bigdata/dist | Web静态页面文件目录 |
| /biServer/helios-bi/server/server-1.0.0/bin/ | 启动、停止、重启命令脚本目录 |
| /biServer/helios-bi/server/server-1.0.0/lib/ | 依赖jar包目录 |
| /biServer/helios-bi/server/server-1.0.0/conf/ | 配置文件目录 |
| /biServer/helios-bi/server/server-1.0.0/logs/ | 日志文件目录 |
| /biServer/helios-bi/server/server-1.0.0/share | 说明文档目录 |
| /biServer/helios-bi/server/server-1.0.0/bistatistics.sh | 用户访问日志导入mysql的脚本 |
| /biServer/helios-bi/server/server-1.0.0/play.pid | 进程pid存储文件 |
| /biServer/helios-bi/server/server-1.0.0/README | 说明文件 |

Medusa-bi、vr-app-bi、eagle-bi结构相同

2. 术语表

*对部署过程中依赖的内外部环境以术语或变量的形式做引用声明，如：*

|  |  |
| --- | --- |
| PACKAGE\_HOME | 打包目录，用于在此目录下修改现有程序结构和配置，并打包 |
| APP\_HOME | 应用安装后的home目录 |

3. 环境要求

*对系统环境要求做简要说明，如：*

|  |  |
| --- | --- |
| 软件环境 | JDK1.8、scala2.11；nginx、mysql等跟随基础环境搭建。 |
| 运行用户 | playbi |

4. 部署说明

*部署主要包含两部分：前端可视化静态页面部署和后台数据接口服务部署*

*打包步骤：*

*2-18 节点执行如下操作：*

1. *切换目录*

*cd $PACKAGE\_HOME*

1. *复制相应文件至打包目录*

*cp -r /biServer/helios-bi ./*

*3）删除无用的log文件、压缩文件和修改配置，具体修改内容见附录5.1表*

*4）执行打包命令*

*tar -zcvf helios-bi.tar.gz helios-bi/*

*迁移到新集群后解压：*

1. *进入应用安装目录*

*cd /data/webapps*

1. *下载并解压helios-bi.tar.gz 压缩包*

*tar -zxvf helios-bi.tar.gz*

*4.1 前端可视化静态页面部署：*

*1) 修改nginx相应配置信息，详见附录5.3 nginx配置文件，需要将该配置文件在nginx.conf中server平级位置进行include*

*2) 启动nginx*

*nginx*

*或配置热加载*

*nginx -s reload*

*3) 域名切换*

*在DNSPod上将bi.whaley.cn对应的ip切换为ucloud EIP并绑定至应用所在机器*

*4.2 后台数据接口服务部署*

1. *修改相应配置信息，详见附录5.1配置列表*
2. *启动程序*

*cd /data/webapps/helios-bi/server/server-1.0.0*

*bin/startup.sh*

*4.3 部署确认和服务检查*

1. *通过lsof -i:9000查看端口是否被监听并找出监听程序pid，通过ps -ef | grep pid，查看是否为server进程*
2. *访问http://bi.whaley.cn/查看页面是否显示正常，并能否正常登录*

5. 附录

*5.1 配置列表*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *配置文件* | *Key* | *Value* | *表现形式* | *说明* |
| *$APP\_HOME/portal/bigdata/dist/scripts* |  |  |  |  |
| *$APP\_HOME/conf/jdbc.properties* | *helios.jdbc.url* | *jdbc:mysql://10.10.2.18:3306/whaley\_bi?useUnicode=true&amp;characterEncoding=utf-8&amp;autoReconnect=true* | *key=value* | *该配置中包含host，port，db等信息* |
| *$APP\_HOME/conf/jdbc.properties* | *helios.jdbc.username* | *whaleybi* | *key=value* | *连接mysql的用户名* |
| *$APP\_HOME/conf/jdbc.properties* | *helios.jdbc.password* | *play4bi@whaley* | *key=value* | *连接mysql的密码* |
| *$APP\_HOME/conf/application.ini* | *http.port* | *9000* | *-Dkey=value* | *程序监听端口* |

*5.2 命令列表*

|  |  |  |
| --- | --- | --- |
| *命令或脚本名称* | *具体命令或脚本* | *作用说明* |
| *启动* | *$APP\_HOME/bin/startup.sh* | *启动应用程序* |
| *停止* | *$APP\_HOME/bin/shutdown.sh* | *杀死pid文件中记录的pid，并删除pid文件* |
| *重启* | *$APP\_HOME/bin/restart.sh* | *先执行上述停止命令，再上述执行启动命令* |

*5.3 nginx配置文件*

*server {*

*listen 80;*

*server\_name bi.whaley.cn;*

*client\_max\_body\_size 1024m;*

*access\_log /data/logs/nginx/helios-bi.access.log main;*

*allow 10.10.0.0/16;*

*allow 10.19.0.0/16;*

*allow 10.7.7.0/24;*

*allow 123.59.80.118;*

*allow 123.59.131.43;*

*allow 123.59.77.3;*

*allow 106.75.21.160;*

*allow 116.228.159.142;*

*allow 116.247.114.186;*

*allow 61.129.122.66;*

*allow 116.236.232.242;*

*allow 116.236.232.243;*

*allow 116.236.232.244;*

*allow 116.236.232.245;*

*allow 116.236.232.246;*

*allow 140.206.114.122;*

*allow 180.166.221.42;*

*allow 180.166.221.43;*

*allow 180.166.221.44;*

*allow 180.166.221.45;*

*allow 180.166.221.46;*

*allow 116.236.190.58;*

*allow 123.59.89.111;*

*allow 123.59.89.112;*

*allow 116.236.190.59;*

*allow 116.236.190.60;*

*allow 116.236.190.61;*

*allow 116.236.190.62;*

*allow 116.236.199.154;*

*allow 183.62.174.38;*

*allow 183.62.174.39;*

*allow 183.62.174.40;*

*allow 183.62.174.41;*

*allow 183.62.174.42;*

*allow 183.62.174.43;*

*allow 183.62.174.44;*

*allow 183.62.174.35;*

*allow 118.26.242.122;*

*allow 118.26.242.123;*

*allow 118.26.242.124;*

*allow 118.26.242.125;*

*allow 118.26.242.126;*

*allow 180.168.183.186;*

*allow 117.114.187.146;*

*allow 117.114.187.147;*

*allow 117.114.187.148;*

*allow 117.114.187.149;*

*allow 117.114.187.150;*

*allow 180.168.202.42;*

*allow 180.169.117.162;*

*deny all;*

*location / {*

*root /data/webapps/helios-bi/portal/bigdata/dist;*

*}*

*}*