# Azkaban部署

官网部署文档：

<https://azkaban.readthedocs.io/en/latest/getStarted.html>

# 下载编译

## 下载编译

|  |
| --- |
| git clone https://github.com/azkaban/azkaban.git  cd azkaban;  ./gradlew build;  ./gradlew build installDist; |

## Copy 文件

|  |
| --- |
| mv ./azkaban-db/build/distributions/azkaban-db-3.91.0-2-g2a3f861.tar.gz /opt/apps/azkaban  mv ./azkaban-exec-server/build/distributions/azkaban-exec-server-3.91.0-2-g2a3f861.tar.gz /opt/apps/azkaban  mv ./azkaban-web-server/build/distributions/azkaban-web-server-3.91.0-2-g2a3f861.tar.gz /opt/apps/azkaban |

## 修改文件名字

|  |
| --- |
| cd /opt/apps/azkaban  tar -zxvf \*.tar.gz  mv azkaban-db-3.91.0-2-g2a3f861 azkaban-db-3.91.0  mv azkaban-exec-server-3.91.0-2-g2a3f861 azkaban-exec-server-3.91.0  mv azkaban-web-server-3.91.0-2-g2a3f861 azkaban-web-server-3.91.0 |

# 集群模式部署

## 机器和服务

|  |  |
| --- | --- |
| 机器 | 服务 |
| 192.168.101.21 bigdata-node01 | Mysql , exe |
| 192.168.101.22 bigdata-node02 | Web , exe |
| 192.168.101.23 bigdata-node03 | exe |

## 数据库初始化

进入数据库命令行

|  |
| --- |
| CREATE DATABASE azkaban;  CREATE USER 'azkaban'@'%' IDENTIFIED BY 'MyNewPass4!';  grant all privileges on azkaban.\* to 'azkaban'@'%' identified by 'MyNewPass4!';  flush privileges;  use azkaban ;  /opt/apps/azkaban/azkaban-db-3.91.0/create-all-sql-3.91.0-2-g2a3f861.sql ; |

## Exe节点部署

**修改 azkaban-exec-server-3.91.0/conf/azkaban.properties 需要修改的地方已经标红**

|  |
| --- |
| # Azkaban Personalization Settings  azkaban.name=Test  azkaban.label=My Local Azkaban  azkaban.color=#FF3608  azkaban.default.servlet.path=/index  web.resource.dir=/opt/apps/azkaban/azkaban-web-server-3.91.0/web/  default.timezone.id=Asia/Shanghai  # Azkaban UserManager class  user.manager.class=azkaban.user.XmlUserManager  user.manager.xml.file=/opt/apps/azkaban/azkaban-web-server-3.91.0/conf/azkaban-users.xml  # Loader for projects  executor.global.properties=/opt/apps/azkaban/azkaban-web-server-3.91.0/conf/global.properties  azkaban.project.dir=projects  # Velocity dev mode  velocity.dev.mode=false  # Azkaban Jetty server properties.  jetty.use.ssl=false  jetty.maxThreads=25  jetty.port=8081  # Where the Azkaban web server is located  azkaban.webserver.url=http://bigdata-node02:8081  # mail settings  mail.sender=  mail.host=  # User facing web server configurations used to construct the user facing server URLs. They are useful when there is a reverse proxy between Azkaban web servers and users.  # enduser -> myazkabanhost:443 -> proxy -> localhost:8081  # when this parameters set then these parameters are used to generate email links.  # if these parameters are not set then jetty.hostname, and jetty.port(if ssl configured jetty.ssl.port) are used.  # azkaban.webserver.external\_hostname=myazkabanhost.com  # azkaban.webserver.external\_ssl\_port=443  # azkaban.webserver.external\_port=8081  job.failure.email=  job.success.email=  lockdown.create.projects=false  cache.directory=cache  # JMX stats  jetty.connector.stats=true  executor.connector.stats=true  # Azkaban plugin settings  azkaban.jobtype.plugin.dir=plugins/jobtypes  # Azkaban mysql settings by default. Users should configure their own username and password.  database.type=mysql  mysql.port=3306  mysql.host=192.168.101.21  mysql.database=azkaban  mysql.user=azkaban  mysql.password=MyNewPass4!  mysql.numconnections=100  # Azkaban Executor settings  executor.maxThreads=50  executor.flow.threads=30 |

**修改 azkaban-exec-server-3.91.0/conf/azkaban.properties 和上面修改一样**

**复制目录到其他节点，启动**

|  |
| --- |
| scp -r azkaban-exec-server-3.91.0 192.168.101.21://opt/apps/azkaban/  scp -r azkaban-exec-server-3.91.0 192.168.101.23://opt/apps/azkaban/ |

**在所有节点**

|  |
| --- |
| **sh bin/start-exec.sh** |

**数据库激活**

|  |
| --- |
| use azkaban ;  update executors set active=1 ;  select \* from executors ; |

**激活**(根据数据库查询信息执行下面的命令)

|  |
| --- |
| curl http://bigdata-node01:39307/executor?action=activate  curl http://bigdata-node02:41086/executor?action=activate  curl http://bigdata-node03:33100/executor?action=activate |

## Web节点部署(只在bigdata-node02执行)

**修改 azkaban-web-server-3.91.0/conf/azkaban.properties 需要修改的地方已经标红**

|  |
| --- |
| # Azkaban Personalization Settings  azkaban.name=Test  azkaban.label=My Local Azkaban  azkaban.color=#FF3608  azkaban.default.servlet.path=/index  web.resource.dir=/opt/apps/azkaban/azkaban-web-server-3.91.0/web/  default.timezone.id=Asia/Shanghai  # Azkaban UserManager class  user.manager.class=azkaban.user.XmlUserManager  user.manager.xml.file=/opt/apps/azkaban/azkaban-web-server-3.91.0/conf/azkaban-users.xml  # Loader for projects  executor.global.properties=/opt/apps/azkaban/azkaban-web-server-3.91.0/conf/global.properties  azkaban.project.dir=projects  # Velocity dev mode  velocity.dev.mode=false  # Azkaban Jetty server properties.  jetty.use.ssl=false  jetty.maxThreads=25  jetty.port=8081  # Azkaban Executor settings  # mail settings  mail.sender=  mail.host=  # User facing web server configurations used to construct the user facing server URLs. They are useful when there is a reverse proxy between Azkaban web servers and users.  # enduser -> myazkabanhost:443 -> proxy -> localhost:8081  # when this parameters set then these parameters are used to generate email links.  # if these parameters are not set then jetty.hostname, and jetty.port(if ssl configured jetty.ssl.port) are used.  # azkaban.webserver.external\_hostname=myazkabanhost.com  # azkaban.webserver.external\_ssl\_port=443  # azkaban.webserver.external\_port=8081  job.failure.email=  job.success.email=  lockdown.create.projects=false  cache.directory=cache  # JMX stats  jetty.connector.stats=true  executor.connector.stats=true  # Azkaban mysql settings by default. Users should configure their own username and password.  database.type=mysql  mysql.port=3306  mysql.host=192.168.101.21  mysql.database=azkaban  mysql.user=azkaban  mysql.password=MyNewPass4!  mysql.numconnections=100  #Multiple Executor  azkaban.use.multiple.executors=true  azkaban.executorselector.filters=StaticRemainingFlowSize,MinimumFreeMemory,CpuStatus  azkaban.executorselector.comparator.NumberOfAssignedFlowComparator=1  azkaban.executorselector.comparator.Memory=1  azkaban.executorselector.comparator.LastDispatched=1  azkaban.executorselector.comparator.CpuUsage=1 |

**修改 azkaban-web-server-3.91.0/conf/log4j.properties 需要修改的地方已经标红**

|  |
| --- |
| log4j.rootLogger=INFO, Console  log4j.logger.azkaban=INFO, server  log4j.appender.server=org.apache.log4j.RollingFileAppender  log4j.appender.server.layout=org.apache.log4j.PatternLayout  log4j.appender.server.File=logs/azkaban-webserver.log  log4j.appender.server.layout.ConversionPattern=%d{yyyy/MM/dd HH:mm:ss.SSS Z} %5p [%c{1}] [%t] [Azkaban] %m%n  log4j.appender.server.MaxFileSize=512MB  log4j.appender.server.MaxBackupIndex=2  log4j.appensh bin/start-web.sh der.Console=org.apache.log4j.ConsoleAppender  log4j.appender.Console.layout=org.apache.log4j.PatternLayout  log4j.appender.Console.layout.ConversionPattern=%d{yyyy/MM/dd HH:mm:ss.SSS Z} %5p [%c{1}] [%t] [Azkaban] %m%n |

启动

|  |
| --- |
| sh bin/start-web.sh |

## 登陆

链接： <http://192.168.101.22:8081/>

账户密码： azkaban azkaban