

4.6.0 --> 4.6.5 升级手册

高危操作

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1.升级前

1.1.ambari-server配置备份

1.1.1.需要备份的目录：

```
/etc/ambari-server/conf/  
/var/lib/ambari-server/resources/common-services/  
/var/lib/ambari-server/resources/stacks/
```

1.1.2.备份：

```
mv /etc/ambari-server/conf/ /etc/ambari-server/conf.bak  
mv /var/lib/ambari-server/resources/common-services/ /var/lib/ambari-server/resources/common-services.bak  
mv /var/lib/ambari-server/resources/stacks/ /var/lib/ambari-server/resources/stacks.bak
```

1.2元数据备份

1.2.1.需要备份的数据库：

```
ambari dataspace hive hue insight_ml ke oozie mysql ranger ranger_audit  
rangerkms superset
```

1.2.2备份:

以备份ambari库为例，数据库密码为bigdata123

```
mysqldump -uroot -pbigdata123 ambari>/opt/ambari.sql
```

1.3.镜像文件备份

1.3.1.需要备份的iso文件：

```
CentOS7-Sirius-Incloud_xxx_4.6.1_xxx.iso
```

1.3.2备份:

```
mv CentOS7-Sirius-Incloud_xxx_4.6.1_xxx.iso CentOS7-Sirius-  
Incloud_xxx_4.6.1_xxx.iso.bak
```

2.升级

2.1.卸载ambari-server

```
yum remove ambari-server
```

2.2.升级yum源

- 卸载低版本的yum源

```
umount /var/www/html/InsightHD/
```

- 清理yum缓存

```
yum clean all && rm -rf /var/cache/yum
```

- 挂载新版本的yum源

```
mount -o loop -t iso9660 CentOS7-Sirius-Incloud_xxx_4.6.5_xxx.iso
/var/www/html/InsightHD/
```

2.4.配置ambari-server

请根据如下样例填写交互信息！

```
[root@sizu05 keytabs]# ambari-server setup
Using python /usr/bin/python
Setup ambari-server
Checking SELinux...
SELinux status is 'disabled'
Customize user account for ambari-server daemon [y/n] (n)? n
Adjusting ambari-server permissions and ownership...
Checking firewall status...
Checking JDK...
Do you want to change Oracle JDK [y/n] (n)? y
[1] Oracle JDK 1.8 + Java Cryptography Extension (JCE) Policy Files 8
[2] Custom JDK
=====
Enter choice (1): 2
WARNING: JDK must be installed on all hosts and JAVA_HOME must be valid on all
hosts.
WARNING: JCE Policy files are required for configuring Kerberos security. If you
plan to use Kerberos, please make sure JCE Unlimited Strength Jurisdiction Policy
Files are valid on all hosts.
Path to JAVA_HOME: /usr/jdk64/java/
Validating JDK on Ambari Server...done.
Check JDK version for Ambari Server...
JDK version found: 8
Minimum JDK version is 8 for Ambari. Skipping to setup different JDK for Ambari
Server.
Checking GPL software agreement...
GPL License for LZ0: https://www.gnu.org/licenses/old-licenses/gpl-2.0.en.html
Enable Ambari Server to download and install GPL Licensed LZ0 packages [y/n] (n)?
n
Completing setup...
Configuring database...
Enter advanced database configuration [y/n] (n)? y
Configuring database...
=====
Choose one of the following options:
[1] - PostgreSQL (Embedded)
[2] - Oracle
[3] - MySQL / MariaDB
[4] - PostgreSQL
[5] - Microsoft SQL Server (Tech Preview)
```

```
[6] - SQL Anywhere
[7] - BDB
=====
Enter choice (3): 3
Hostname (sizu05):sizu05
Port (3306):3306
Database name (ambari):ambari
Username (ambari):ambari
Enter Database Password (bigdata123):bigdata123
Configuring ambari database...
Configuring remote database connection properties...
WARNING: Before starting Ambari Server, you must run the following DDL against the
database to create the schema: /var/lib/ambari-server/resources/Ambari-DDL-MySQL-
CREATE.sql
Proceed with configuring remote database connection properties [y/n] (y)?
Extracting system views...
.....
Ambari repo file doesn't contain latest json url, skipping repoinfos modification
Adjusting ambari-server permissions and ownership...
Ambari Server 'setup' completed successfully.
```

3.升级后

3.1.登陆密码替换

由于v4.6.0和v4.6.5加密方式发生了改变，所以需要重置ambari登陆密码！

操作步骤：

- 登陆后台数据库：

```
mysql -uroot -pbigdata123
```

- 重置密码(admin@123)

```
update user_authentication set authentication_key='YWRtaW5AMTIz' where
user_id=(select user_id from users where user_name='admin');
```

3.2.重启ambari-server

```
ambari-server restart
```

4.版本回退

- 卸载ambari-server

```
yum remove ambari-server
```

- 回退yum源
 - 删除v4.6.5镜像文件: `rm -rf CentOS7-Sirius-Incloud_xxx_4.6.5_xxx.iso`
 - 卸载v4.6.5镜像文件: `umount /var/www/html/InsightHD/`
 - 挂载v4.6.0镜像文件: `mount -o loop -t iso9660 CentOS7-Sirius-Incloud_xxx_4.6.0_xxx.iso /var/www/html/InsightHD/`
 - 清除yum缓存: `yum clean all && rm -rf /var/cache/yum`
- 下载ambari-server

```
yum install ambari-server
```

- 元数数据恢复,以恢复ambari数据库为例:
 - 登陆后台数据库 : `mysql -uroot -pbigdata123`
 - 删除ambari数据库:`drop database ambari;`
 - 导入备份的ambari数据库 : `source /opt/ambari.sql;`
- 配置并重启ambari-server

配置ambari-server同步骤2.4.一样

```
ambari-server start
```