

Oracle 用户密码含特殊字符时的登陆问题

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【方法】Oracle 用户密码含特殊字符时的登陆问题

1.1 BLOG 文档结构图



1.2 前言部分

1.2.1 导读和注意事项

各位技术爱好者，看完本文后，你可以掌握如下的技能，也可以学到一些其它你所不知道的知识，~o(n_n)o~:

- ① 用户密码含有特殊字符，如@、%、&、¥、#等字符，如何修改密码及登录数据库（重点）
- ② exp 或 expdp 的时候使用 sys 用户导出

Tips:

- ① 本文在 itpub (<http://blog.itpub.net/26736162>)、博客园 (<http://www.cnblogs.com/lhrbest>) 和微信公众号 (xiaomaimiaolhr) 上有同步更新。
- ② 文章中用到的所有代码、相关软件、相关资料及本文的 pdf 版本都请前往小麦苗的云盘下载，小麦苗的云盘地址见: <http://blog.itpub.net/26736162/viewspace-1624453/>。
- ③ 若网页文章代码格式有错乱，请下载 pdf 格式的文档来阅读。
- ④ 在本篇 BLOG 中，代码输出部分一般放在一行一列的表格中。

本文若有错误或不完善的地方请大家多多指正，您的批评指正是我写作的最大动力。

1.2.2 相关文章链接

【密码】Oracle 用户密码系列:

<http://blog.itpub.net/26736162/viewspace-2129595/>

第 2 章 实验部分

2.1 实验环境介绍

项目	source db
db 类型	RAC
db version	11.2.0.3.0
db 存储	ASM
OS 版本及 kernel 版本	RHEL 6.5

2.2 实验目标

当用户密码含有特殊字符的时候, 测试 sqlplus 和 exp、imp 及 expdp、impdp 的登陆及修改密码问题。

2.3 实验过程

2.3.1 sqlplus 连接

普通用户连接:

```
[oracle@orcltest admin]$ sqlplus / as sysdba

SQL*Plus: Release 11.2.0.3.0 Production on Fri Feb 24 09:25:35 2017

Copyright (c) 1982, 2011, Oracle. All rights reserved.

Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

SYS@lhrdb> alter user lhr identified by "l@hr";

User altered.

SYS@lhrdb> exit
Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options
[oracle@orcltest ~]$ sqlplus 'lhr/"l@hr"'@LHRDB
```

```
SQL*Plus: Release 11.2.0.3.0 Production on Fri Feb 24 09:27:05 2017
```

```
Copyright (c) 1982, 2011, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production  
With the Partitioning, Automatic Storage Management, OLAP, Data Mining  
and Real Application Testing options
```

```
LHR@LHRDB> EXIT
```

```
Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production  
With the Partitioning, Automatic Storage Management, OLAP, Data Mining  
and Real Application Testing options  
[oracle@orcltest ~]$
```

sys 用户连接:

```
[oracle@orcltest admin]$ sqlplus / as sysdba
```

```
SQL*Plus: Release 11.2.0.3.0 Production on Fri Feb 24 09:29:09 2017
```

```
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```

```
Connected to:
```

```
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production  
With the Partitioning, Automatic Storage Management, OLAP, Data Mining  
and Real Application Testing options
```

```
SYS@lhrdb> alter user sys identified by "l@hr";
```

```
User altered.
```

```
SYS@lhrdb> exit
```

```
[oracle@orcltest ~]$ sqlplus 'sys/"l@hr"@LHRDB as sysdba
```

```
SQL*Plus: Release 11.2.0.3.0 Production on Fri Feb 24 09:29:35 2017
```

```
Copyright (c) 1982, 2011, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production  
With the Partitioning, Automatic Storage Management, OLAP, Data Mining  
and Real Application Testing options
```

```
SYS@LHRDB> exit
```

```
Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production  
With the Partitioning, Automatic Storage Management, OLAP, Data Mining  
and Real Application Testing options  
[oracle@orcltest ~]$
```

2.3.2 expdp 连接

密码用双引号，用户名和密码用单引号括起来，然后【用户名】+【密码】+【tn】+【as sysdba】用单引号括起来，最后的这个单引号用\进行转义

```
expdp \\'sys/'l@hr''@LHRDB as sysdba\' DIRECTORY=DATA_PUMP_DIR DUMPFILE=SCOTT%U.dmp SCHEMAS=SCOTT  
COMPRESSION=all metrics=y
```

```
[oracle@orcltest admin]$ expdp \\'sys/'l@hr''@LHRDB as sysdba\' DIRECTORY=DATA_PUMP_DIR  
DUMPFILE=SCOTT%U.dmp SCHEMAS=SCOTT COMPRESSION=all metrics=y
```

Export: Release 11.2.0.3.0 - Production on Fri Feb 24 09:32:22 2017

Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.

Connected to: Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

FLASHBACK automatically enabled to preserve database integrity.

Starting "SYS"."SYS_EXPORT_SCHEMA_01": "sys/*****@LHRDB AS SYSDBA" DIRECTORY=DATA_PUMP_DIR
DUMPFILE=SCOTT%U.dmp SCHEMAS=SCOTT COMPRESSION=all metrics=y

Estimate in progress using BLOCKS method...

Processing object type SCHEMA_EXPORT/TABLE/TABLE_DATA

Total estimation using BLOCKS method: 192 KB

Processing object type SCHEMA_EXPORT/USER

Completed 1 USER objects in 0 seconds

Processing object type SCHEMA_EXPORT/SYSTEM_GRANT

Completed 1 SYSTEM_GRANT objects in 0 seconds

Processing object type SCHEMA_EXPORT/ROLE_GRANT

Completed 2 ROLE_GRANT objects in 1 seconds

Processing object type SCHEMA_EXPORT/DEFAULT_ROLE

Completed 1 DEFAULT_ROLE objects in 1 seconds

Processing object type SCHEMA_EXPORT/PRE_SCHEMA/PROACT_SCHEMA

Completed 1 PROACT_SCHEMA objects in 10 seconds

Processing object type SCHEMA_EXPORT/TABLE/TABLE

Completed 4 TABLE objects in 2 seconds

Processing object type SCHEMA_EXPORT/TABLE/GRANT/OWNER_GRANT/OBJECT_GRANT

Completed 3 OBJECT_GRANT objects in 3 seconds

Processing object type SCHEMA_EXPORT/TABLE/INDEX/INDEX

Completed 2 INDEX objects in 1 seconds

Processing object type SCHEMA_EXPORT/TABLE/CONSTRAINT/CONSTRAINT

Completed 2 CONSTRAINT objects in 0 seconds

Processing object type SCHEMA_EXPORT/TABLE/INDEX/STATISTICS/INDEX_STATISTICS

Completed 2 INDEX_STATISTICS objects in 1 seconds

Processing object type SCHEMA_EXPORT/TABLE/CONSTRAINT/REF_CONSTRAINT

Completed 1 REF_CONSTRAINT objects in 2 seconds

Processing object type SCHEMA_EXPORT/TABLE/STATISTICS/TABLE_STATISTICS

Completed 4 TABLE_STATISTICS objects in 14 seconds

. . exported "SCOTT"."DEPT" 4.976 KB 4 rows

. . exported "SCOTT"."EMP" 5.617 KB 14 rows

. . exported "SCOTT"."SALGRADE" 4.890 KB 5 rows

. . exported "SCOTT"."BONUS" 0 KB 0 rows

Master table "SYS"."SYS_EXPORT_SCHEMA_01" successfully loaded/unloaded

Dump file set for SYS.SYS_EXPORT_SCHEMA_01 is:

/u02/app/oracle/admin/lhrdb/dpdump/SCOTT01.dmp

Job "SYS"."SYS_EXPORT_SCHEMA_01" successfully completed at 09:33:19

2.3.3 修改密码中含有“@”符号

```
[oracle@orcltest ~]$ sqlplus / as sysdba
```

SQL*Plus: Release 11.2.0.3.0 Production on Thu Mar 16 17:10:26 2017

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Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

```
SYS@lhrdb> alter user scott identified by "tiger&123";
Enter value for 123:
old 1: alter user scott identified by "tiger&123"
new 1: alter user scott identified by "tiger"
```

User altered.

```
SYS@lhrdb>
SYS@lhrdb> set define off
SYS@lhrdb> alter user scott identified by "tiger&123";
```

User altered.

```
SYS@lhrdb> exit
```

Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

```
[oracle@orcltest ~]$ sqlplus 'scott/"tiger&123"'@LHRDB
```

SQL*Plus: Release 11.2.0.3.0 Production on Thu Mar 16 17:14:00 2017

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Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

```
SCOTT@LHRDB>
SCOTT@LHRDB> set define off
SCOTT@LHRDB> alter user scott identified by "$tiger&123l@h\r/0%s,d$";
```

User altered.

```
SCOTT@LHRDB> exit
```

Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

```
[oracle@orcltest ~]$ sqlplus 'scott/"$tiger&123l@h\r/0%s,d$"'@LHRDB
```

SQL*Plus: Release 11.2.0.3.0 Production on Thu Mar 16 17:20:12 2017

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Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

```
SCOTT@LHRDB>
```

2.3.4 修改密码中含有双引号符号

修改 scott 用户的密码为: a"b

```
[oracle@orcltest ~]$ sqlplus / as sysdba

SQL*Plus: Release 11.2.0.3.0 Production on Thu Mar 16 17:39:18 2017

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Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

SYS@lhrdb> password scott
Changing password for scott
New password:
Retype new password:
Password changed
SYS@lhrdb> conn scott/a"b
Connected.
SCOTT@lhrdb>
[oracle@orcltest ~]$ sqlplus scott/a\"b

SQL*Plus: Release 11.2.0.3.0 Production on Thu Mar 16 17:42:34 2017

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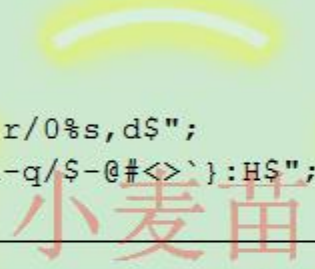
Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, Automatic Storage Management, OLAP, Data Mining
and Real Application Testing options

SCOTT@lhrdb>
```

注：因为一般特殊字符可以使用双引号处理，但是如果密码中含有双引号，就不能用双引号处理，可以直接使用 password 修改密码。

2.4 本文结论

参考下表：

Linux平台		sqlplus工具	数据泵工具 (exp、expdp)
普通用户	无tns	sqlplus 'lhr/"l@h\r/0"'	expdp 'lhr/"l@h\r/0"'
	有tns	sqlplus 'lhr/"l@h\r/0"'@LHRDB	expdp 'lhr/"l@h\r/0"'@LHRDB
sys用户	无tns	sqlplus / as sysdba	expdp \'/ AS SYSDBA\'
	有tns	sqlplus 'sys/"l@h\r/0"'@LHRDB as sysdba	expdp \'sys/"l@h\r/0"'@LHRDB as sysdba\'
	正常密码	sqlplus sys/lhr@lhrdb as sysdba	expdp \'sys/lhr@LHRDB as sysdba\'
备注：含特殊字符密码为：l@h\r/0，正常密码为：lhr，tns为：LHRDB，总的原则为：密码用双引号括起来，用户名和密码用单引号括起来，然后【用户名】+【密码】+【tns】+【as sysdba】用单引号括起来，最后的这个单引号用\进行转义 alter user lhr identified by "l@h\r/0"; alter user sys identified by "l@h\r/0"; set define off alter user scott identified by "\$tiger&123l@h\r/0%s,d\$"; alter user scott identified by "\$?`\$%*H\@f'\<a-q/\$-@#<>`}:H\$"; password scott			
 微信公众号: xiaomaimiaolhr			
Windows平台		sqlplus工具	数据泵工具 (exp、expdp)
普通用户	无tns	sqlplus lhr/""l@h\r/0"" sqlplus lhr/\ "l@h\r/0\"	expdp lhr/""l@h\r/0"" expdp lhr/\ "l@h\r/0\"
	有tns	sqlplus lhr/""l@h\r/0""@LHRDB sqlplus lhr/\ "l@h\r/0\"@LHRDB	expdp lhr/""l@h\r/0""@LHRDB expdp lhr/\ "l@h\r/0\"@LHRDB
sys用户	无tns	sqlplus / as sysdba	expdp \'/ as sysdba\"
	有tns	sqlplus sys/""l@h\r/0""@LHRDB as sysdba sqlplus sys/\ "l@h\r/0\"@LHRDB as sysdba	
	正常密码	sqlplus sys/lhr@lhrdb as sysdba	expdp \"sys/lhr@LHRDB as sysdba\"
备注：含特殊字符密码为：l@h\r/0，正常密码为：lhr，tns为：LHRDB，总的原则为：密码用3个双引号括起来，或者用一个双引号括起来，然后用\将双引号进行转义			

Linux 平台		sqlplus 工具	数据泵工具 (exp、expdp)
普通用户	无 tns	sqlplus 'lhr/"l@h\r/0"'	expdp 'lhr/"l@h\r/0"'

	有 tns	sqlplus 'lhr/"l@h\r/0"'@LHRDB	expdp 'lhr/"l@h\r/0"'@LHRDB
sys 用户	无 tns	sqlplus / as sysdba	expdp \'/ AS SYSDBA\'
	有 tns	sqlplus 'sys/"l@h\r/0"'@LHRDB as sysdba	expdp \'\'sys/"l@h\r/0"'@LHRDB as sysdba\'
	正常密码	sqlplus sys/lhr@lhrdb as sysdba	expdp \'sys/lhr@LHRDB as sysdba\'

备注：含特殊字符密码为：l@h\r/0，正常密码为：lhr，tns 为：LHRDB，总的原则为：密码用双引号括起来，用户名和密码用单引号括起来，然后【用户名】+【密码】+【tns】+【as sysdba】用单引号括起来，最后的这个单引号用\进行转义

```
alter user lhr identified by "l@h\r/0";
```

```
alter user sys identified by "l@h\r/0";
```

```
set define off
```

```
alter user scott identified by "$tiger&123l@h\r/0%s,d$";
```

```
alter user scott identified by "$?`$%*H\@f'\<a-q/$-@#<>`:H$";
```

```
password scott
```

Windows 平台		sqlplus 工具	数据泵工具 (exp、expdp)
普通用户	无 tns	sqlplus lhr/""l@h\r/0"" sqlplus lhr/"l@h\r/0\"	expdp lhr/""l@h\r/0"" expdp lhr/"l@h\r/0\"
	有 tns	sqlplus lhr/""l@h\r/0""@LHRDB sqlplus lhr/"l@h\r/0\"@LHRDB	expdp lhr/""l@h\r/0""@LHRDB expdp lhr/"l@h\r/0\"@LHRDB
sys 用户	无 tns	sqlplus / as sysdba	expdp \'/ as sysdba\"
	有 tns	sqlplus sys/""l@h\r/0""@LHRDB as sysdba sqlplus sys/"l@h\r/0\"@LHRDB as sysdba	
	正常密码	sqlplus sys/lhr@lhrdb as sysdba	expdp \"sys/lhr@LHRDB as sysdba\"

备注：含特殊字符密码为：l@h\r/0，正常密码为：lhr，tns 为：LHRDB，总的原则为：密码用 3 个双引号括起来，或者用一个双引号括起来，然后用\将双引号进行转义 DIRECTORY=DATA_PUMP_DIR DUMPFILE=dmp_SCOTT.dmp SCHEMAS=SCOTT reuse_dumpfiles=y

About Me

- 本文作者：小麦苗，只专注于数据库的技术，更注重技术的运用
- 本文在 itpub (<http://blog.itpub.net/26736162>)、博客园 (<http://www.cnblogs.com/lhrbest>) 和个人微信公众号 ([xiaomaimiao](#))
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