



[To:](#)

Cc:

Bcc:

Subject: db2 list tables for all有表但是db2 describe/select 这张表问题

Kai Long

[honglh@cn.ibm...](#)

Kai Long

[honglh@cn.ibm...](#)

Kai Long

林鸿 HELP

hi

有个问题咨询下好不

恩 什么问题？

14:42:02

14:42:09

14:42:15

14:42:28

```
[pwrvcdb@b20leipvc001 ~]$ db2 list tables for all
```

Table/View	Schema	Type	Creation time
BACKUPS	CINDER	T	2016-11-11-12.39.44.028226
CGSNAPSHOTS	CINDER	T	2016-11-11-12.40.13.188438
CONSISTENCYGROUPS	CINDER	T	2016-11-11-12.40.11.688007
DRIVER_INITIATOR_DATA	CINDER	T	2016-11-11-12.40.23.757705
IBM_HMCS	CINDER	T	2016-11-11-12.40.44.125899
IBM_HMC_CLUSTERS	CINDER	T	2016-11-11-12.40.44.865044
IMAGE_VOLUME_CACHE_ENTRIES	CINDER	T	2016-11-11-12.40.38.449239
ISCSI_TARGETS	CINDER	T	2016-11-11-12.39.18.003424
MIGRATE_VERSION	CINDER	T	2016-11-11-12.39.11.603187
ONBOARD_TASKS	CINDER	T	2016-11-11-12.40.50.604217
ONBOARD_TASK_VOLUMES	CINDER	T	2016-11-11-12.40.52.298704
QUALITY_OF_SERVICE_SPECS	CINDER	T	2016-11-11-12.40.00.153147
QUOTAS	CINDER	T	2016-11-11-12.39.19.610297
QUOTA_CLASSES	CINDER	T	2016-11-11-12.39.23.959409
QUOTA_USAGES	CINDER	T	2016-11-11-12.39.24.812844
RESERVATIONS	CINDER	T	2016-11-11-12.39.27.082305
SERVICES	CINDER	T	2016-11-11-12.39.20.396173
SNAPSHOTS	CINDER	T	2016-11-11-12.39.15.124713
SNAPSHOT_METADATA	CINDER	T	2016-11-11-12.39.45.657271
STORAGE_NODES	CINDER	T	2016-11-11-12.40.45.532846
STORAGE_NODE_HEALTH_STATUS	CINDER	T	2016-11-11-12.40.54.044743
TRANSFERS	CINDER	T	2016-11-11-12.39.47.370367
VOLUME_ADMIN_METADATA	CINDER	T	2016-11-11-12.40.04.757107
VOLUME_ATTACHMENT	CINDER	T	2016-11-11-12.40.26.139357
VOLUME_GLANCE_METADATA	CINDER	T	2016-11-11-12.39.28.992134
VOLUME_HEALTH_STATUS	CINDER	T	2016-11-11-12.40.47.170557
VOLUME_METADATA	CINDER	T	2016-11-11-12.39.22.127030
VOLUME_RESTRICTED_METADATA	CINDER	T	2016-11-11-12.40.46.261497
VOLUME_TYPES	CINDER	T	2016-11-11-12.39.15.921502
VOLUME_TYPE_EXTRA_SPECS	CINDER	T	2016-11-11-12.39.22.988384
VOLUME_TYPE_PROJECTS	CINDER	T	2016-11-11-12.40.17.955526
encryption	CINDER	T	2016-11-11-12.39.58.584802
volumes	CINDER	T	2016-11-11-12.39.17.130922
ATTRIBUTES	SYSCAT	V	2016-11-11-12.22.57.938164

	<ul style="list-style-type: none"> DB2的 	14:42:28
honglh@cn.ib...	恩	14:42:36
	<ul style="list-style-type: none"> 这两张表？ 	14:43:05
Kai Long	其他表没有问题，我就看这连个表的时候就报【SQL0204N "CINDER.VOLUMES" is an undefined name. SQLSTATE=42704】的错误	14:43:08
	<ul style="list-style-type: none"> 恩，似乎隐藏式的么 不让访问的表么？ 	14:43:19
honglh@cn.ib...	db2 describe table CINDER.VOLUMES	14:43:37
Kai Long	取的名字也是小写 跟别的都不太一样	14:43:40
	<ul style="list-style-type: none"> [pwrvcdb@b20leipvc001 ~]\$ db2 "describe table CINDER.VOLUMES" 	14:44:08
	<pre> Data type Column Column name schema Data type name Length Scale Nulls ----- 0 record(s) selected. SQL0100W No row was found for FETCH, UPDATE or DELETE; or the result of a query is an empty table. SQLSTATE=02000 [pwrvcdb@b20leipvc001 ~]\$ </pre>	
honglh@cn.ib...	恩 可以忽略表名大小写	14:44:12
	<ul style="list-style-type: none"> == 	14:44:33
	<ul style="list-style-type: none"> list的出来找不到这表 	14:44:50
Kai Long		14:45:23

```
[pwrvcdb0b20leipvc001 ~]$ db2 list tables for schema CINDER
```

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BACKUPS	CINDER	T	2016-11-11-12.39.44.028226
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TRANSFERS	CINDER	T	2016-11-11-12.39.47.370367
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VOLUME_ATTACHMENT	CINDER	T	2016-11-11-12.40.26.139357
VOLUME_GLANCE_METADATA	CINDER	T	2016-11-11-12.39.28.992134
VOLUME_HEALTH_STATUS	CINDER	T	2016-11-11-12.40.47.170557
VOLUME_METADATA	CINDER	T	2016-11-11-12.39.22.127030
VOLUME_RESTRICTED_METADATA	CINDER	T	2016-11-11-12.40.46.261497
VOLUME_TYPES	CINDER	T	2016-11-11-12.39.15.921502
VOLUME_TYPE_EXTRA_SPECS	CINDER	T	2016-11-11-12.39.22.988384
VOLUME_TYPE_PROJECTS	CINDER	T	2016-11-11-12.40.17.955526
encryption	CINDER	T	2016-11-11-12.39.58.584802
volumes	CINDER	T	2016-11-11-12.39.17.130922

	这样又有。。。。	
honglh@cn.ib...	恩 是的	14:45:39
	==	14:45:40
	什么版本的数据库？	14:45:52
	db2level	14:45:54
Kai Long	powervc-db2 晕死 看不到版本	14:47:58
honglh@cn.ib...	你敲 db2level	14:48:19
Kai Long	[pwrvcdb@b20leipvc001 ~]\$ db2level	14:48:29
	DB21085I This instance or install (instance name, where applicable: "pwrvcdb")	
	uses "64" bits and DB2 code release "SQL10057" with level identifier	
	"0608010E".	
	Informational tokens are "DB2 v10.5.0.7", "s151221", "IP23957", and Fix Pack	
	"7".	
	Product is installed at "/opt/ibm/powervc/db".	
	 [pwrvcdb@b20leipvc001 ~]\$	
honglh@cn.ib...	v10.5fp7	14:48:43
Kai Long	嵌入到POWERVC里的 感觉比较诡异	14:49:11
honglh@cn.ib...	不知道 是不是 前后有空格呀	14:49:28
Kai Long	看前面是没有 不知道后面有么。。。。	14:49:56
	貌似也不行。。。	14:50:31
honglh@cn.ib...	恩 你 db2 list db directory	14:51:00
	看下	14:51:02
	看下是那个数据库	14:51:12
	抽取 cinder 下面的表 看看 是否有这涨表	14:51:30
		14:54:32
	 db2 list db directory	
	 db2look -d SAMPLE -z CINDER -e -o cinder_tables.txt	
	 SAMPLE 数据库名	
	CINDER Schema名	

```
ls -ltr cinder_tables.txt
```

```
grep -i volumes cinder_tables.txt
```

14:55:15

```
[db2inst1@oc6748481478 ~]$ db2look -d sample -z db2inst1 -e -o db2inst1_tables.out
-- No userid was specified, db2look tries to use Environment variable USER
-- USER is: DB2INST1
-- Specified SCHEMA is: DB2INST1
-- Creating DDL for table(s)

-- Schema name is ignored for the Federated Section
-- Output is sent to file: db2inst1_tables.out
[db2inst1@oc6748481478 ~]$ ls -ltr db2inst1_tables.out
-rw-----. 1 db2inst1 db2inst1 38270 Dec 20 14:54 db2inst1_tables.out
[db2inst1@oc6748481478 ~]$
```

我上面测试的 导出 创建ddl的 db2inst1_tables.out 语句 看里面是否有你想要确认的表

14:55:43

14:59:36

还有就是 看 数据库视图里面是否有 这张表

```
db2 "select substr(TABSCHEMA,1,20),substr(TABNAME,1,20) from SYSCAT.TABLES where TABSCHEMA like 'DB2INST1'";
```

15:00:24

最后 like 'DB2INST1'; ==> 改成你要的 schema名 : CINDER

龙哥 如何？

15:09:09

Kai Long

```
[pwrvcdb@b20leipvc001 ~]$ db2 list db directory
```

15:09:33

System Database Directory

Number of entries in the directory = 6

Database 1 entry:

Database alias = NOVA
Database name = NOVA
Local database directory = /home/pwrvcdb
Database release level = 10.00
Comment =
Directory entry type = Indirect
Catalog database partition number = 0
Alternate server hostname =
Alternate server port number =

Database 2 entry:

Database alias = GLANCE
Database name = GLANCE
Local database directory = /home/pwrvcdb
Database release level = 10.00
Comment =
Directory entry type = Indirect
Catalog database partition number = 0
Alternate server hostname =
Alternate server port number =

Database 3 entry:

Database alias = KEYSTONE
Database name = KEYSTONE
Local database directory = /home/pwrvcdb
Database release level = 10.00
Comment =
Directory entry type = Indirect
Catalog database partition number = 0
Alternate server hostname =
Alternate server port number =

Database 4 entry:

Database alias = QTM_IBM
Database name = QTM_IBM
Local database directory = /home/pwrvcdb
Database release level = 10.00
Comment =
Directory entry type = Indirect
Catalog database partition number = 0
Alternate server hostname =
Alternate server port number =

Database 5 entry:

Database alias = CINDER
Database name = CINDER
Local database directory = /home/pwrvcdb
Database release level = 10.00
Comment =
Directory entry type = Indirect
Catalog database partition number = 0
Alternate server hostname =
Alternate server port number =

Database 6 entry:

Database alias = CEILOB2
Database name = CEILOB2
Local database directory = /home/pwrvcdb
Database release level = 10.00
Comment =
Directory entry type = Indirect
Catalog database partition number = 0
Alternate server hostname =
Alternate server port number =

[pwrvcdb@b20leipvc001 ~]\$

honglh@cn.ib...

那么多数据库 连接的是哪个？

15:09:56

Kai Long	CINDER 这个	15:10:06
honglh@cn.ib...	恩	15:10:19
	db2look -d CINDER -z CINDER -e -o cinder_tables.txt	15:10:30
	导出创建表的语句	15:10:48
	看看	15:10:50
Kai Long	<pre>[pwrvcdb@b20leipvc001 ~]\$ grep -i volumes cinder_tables.txt -- DDL Statements for Table "CINDER"."volumes" CREATE TABLE "CINDER"."volumes" (-- DDL Statements for Primary Key on Table "CINDER"."volumes" ALTER TABLE "CINDER"."volumes" -- DDL Statements for Table "CINDER"."ONBOARD_TASK_VOLUMES" CREATE TABLE "CINDER"."ONBOARD_TASK_VOLUMES" (-- DDL Statements for Primary Key on Table "CINDER"."ONBOARD_TASK_VOLUMES" ALTER TABLE "CINDER"."ONBOARD_TASK_VOLUMES" REFERENCES "CINDER"."volumes" -- DDL Statements for Foreign Keys on Table "CINDER"."volumes" ALTER TABLE "CINDER"."volumes" -- DDL Statements for Check Constraints on Table "CINDER"."volumes" ALTER TABLE "CINDER"."volumes" REFERENCES "CINDER"."volumes" REFERENCES "CINDER"."volumes" REFERENCES "CINDER"."volumes" REFERENCES "CINDER"."volumes" REFERENCES "CINDER"."volumes" REFERENCES "CINDER"."volumes" -- DDL Statements for Check Constraints on Table "CINDER"."ONBOARD_TASK_VOLUMES" ALTER TABLE "CINDER"."ONBOARD_TASK_VOLUMES" [pwrvcdb@b20leipvc001 ~]\$</pre>	15:11:38
honglh@cn.ib...	然后过滤 cinder_tables.txt 文件是否有 那张表创建的语句	15:11:46
Kai Long	做了别名了	15:12:02
honglh@cn.ib...	看是 schema后面有个空格	15:12:46
	db2 describe table "CINDER"."volumes"	15:13:01
	看看能不能查看这个表结构	15:13:15
Kai Long	[pwrvcdb@b20leipvc001 ~]\$ db2 describe table "CINDER"."volumes"	15:13:36

SQL0104N An unexpected token ".volumes" was found following "<identifier>".
Expected tokens may include: "END-OF-STATEMENT". SQLSTATE=42601
[pwrvcdb@b20leipvc001 ~]\$

- 不行
 - 诡异
 - 是CINDER后面有空格，但是创建其他表也有呢
- 恩 是有点诡异
- db2 => select * from "test01 "."t1"

ID

0 record(s) selected.

db2 => describe table "test01 "."t1"

Column name	Data type schema	Data type name	Column Length	Scale	Nulls
ID	SYSIBM	CHARACTER	10	0	Yes

1 record(s) selected.

Kai Long



honglh@cn.ib...

你敲db2

- 去db2命令行里面 执行下

Kai Long

恩

- 我进去了

honglh@cn.ib...

describe table "CINDER "."volumes"

- 看能不能 describe

Kai Long

可以啦！

honglh@cn.ib...

恩 是空格问题

Kai Long

我无语了。。

honglh@cn.ib...

schema空格问题

Kai Long

那为啥其他表就可以呢。。。

honglh@cn.ib...	这个是谁创建的	15:20:48
Kai Long	一样也有schema空格问题	15:20:54
	▸是安装POWERVC自动创建的。。。	15:21:05
honglh@cn.ib...	其他表 你 过滤下	15:21:06
Kai Long	OK了 之后的我知道咋弄了哈哈哈	15:21:43
honglh@cn.ib...	看是怎样的创建语句	15:21:46
	▸恩 good	15:21:53
Kai Long	那个POWERVC是个坑	15:21:58
	▸自动创建的这个表。。。	15:22:04
honglh@cn.ib...	恩 要修改下创建这表的ddl语句或者脚本	15:22:15
Kai Long	我就不管了 我是要进去删数据的哈哈哈	15:22:16
honglh@cn.ib...	恩	15:22:26
Kai Long	这个就不管了 一般也不会来操作到它	15:22:35
honglh@cn.ib...	好的	15:22:40
Kai Long	不过又学到了一个 以后有问题就好对应了	15:22:48
	▸多谢！	15:22:54
	▸	