


???? ??SQL Shell?????

??
[??](#) ·?? 1  ????? 7 ??

???? ??SQL Shell?????

???? ??SQL Shell?????

SQL????????????

?????

SQL Shell??M?Metadata????????????????

????????????????????????????????SQL????????????ODBC????????????PRE????????????????????????NULL?BOOLEAN?1 = NULL????0 =????????????????????????????SQL????????????????????CTYPE????????????????SQL.statementColumn ClientType?????

SHOW STATEMENT

????????????show????st????????SQL????????????????????????????????executemode =????????????????????show??sql shell???

????????????(?????),?(????????????????,?????WHERE????),????(????SQL??,????????????)?

EXPLAIN and Show Plan

????????SQL????????;
????????????????????

- EXPLAIN????????????SELECT???????

SQL]USER>>EXPLAIN SELECT Name FROM Sample.MyTable WHERE Name='Fred Rogers'

- SHOW PLAN:????????show plan shell???????

SQL]USER>>SELECT Name FROM Sample.MyTable WHERE Name='Fred Rogers'
SQL]USER>>SHOW PLAN

EXPLAIN SQL????????????????????????EXPLAIN Alt????????????EXPLAIN Stat????????????EXPLAIN????????????;????????????Insert?Update?DELETE????????????

Show Plan SQL shell????SQL Shell????????????????????????SQL????????????????????????executemode=deferred,????????????SQL shell?????

- SHOW PLAN?SHOW PL(????SHOW)?????????????????
 ??????????????????
 ??????????????????????????????????
 ??????????????:SELECT?DECLARE?non-cursor UPDATE or DELETE?INSERT...SELECT?
 ??????V (VERBOSE)???
- ??PLANALT?????????????????
 ??????V (VERBOSE)???

????\$SYSTEM.SQL.Explain()??ObjectScript???????

SQL Shell Performance

??????SQL????SQL Shell????????????(times(s)/globals/cmds/disk)????????(times(s)/globals/cmds/disk):

- ??????????????????????
 ??????????????????????
 ??????????????????????
 ?????????????????????????????????????
 ?????????????????????????GO????????????????????????
 • ??????????????%execute()??%Display()?????????
 ??????????????????

??globals?????????cmds????SQL?????disk?????????????????
SQL Shell????????????????????????

????????"DISPLAYMODE"????"currentdevice"?"MESSAGES"????"ON"????
???SQL Shell???????

Transact-SQL??

??????SQL Shell??InterSystems SQL??
???SQL Shell??????Sybase?MSSQL???

Setting DIALECT

??????SQL Shell??????InterSystems SQL?
????SET DIALECT???SQL Shell???Sybase?MSSQL???
?????????????"?"???Sybase?MSSQL?IRIS?
????Dialect=IRIS?
????????????????????

??????SQL Shell???MSSQL?????:

```
DHC-APP>DO $SYSTEM.SQL.Shell()  
SQL Command Line Shell  
-----
```

```
The command prefix is currently set to: <<nothing>>.  
Enter q to quit, ? for help.  
DHC-APP>>SET DIALECT MSSQL
```

```
dialect = MSSQL  
DHC-APP>>SELECT TOP 5 name + '-' + ssn FROM Sample.Person
```

1. SELECT TOP 5 name + '-' + ssn FROM Sample.Person

Expression_1
yaoxin-111-11-1117
xiaoli-111-11-1111
??-111-11-1112
??-111-11-1113
??-111-11-1114

5 Rows(s) Affected
statement prepare time(s)/globals/lines/disk: 0.1989s/46546/257369/114ms
execute time(s)/globals/lines/disk: 0.0032s/24/676/3ms

Sybase?MSSQL????????????SQL?????
????SELECT?INSERT?UPDATE?DELETE???
????????CREATE TABLE?????????????
????????
????????????????
????CREATE TRIGGER????????????????????????????
??CREATE PROCEDURE?CREATE FUNCTION?

Setting COMMANDPREFIX

????SET COMMANDPREFIX????????SQL Shell?????(???????)?
?SQL Shell?????SQL?????????
?????????SQL Shell???SQL?????????
???SET???SQL Shell??;
SET??Sybase?MSSQL??SQL?????

????????????
?????????COMMANDPREFIX=prefix?????????
?????????COMMANDPREFIX=""?
?????????/(????)??????????:

DHC-APP>>SET COMMANDPREFIX=/
commandprefix = /
DHC-APP>>/SET LOG=ON

log = xsqll19388.log
DHC-APP>> << entering multiline statement mode >>
1>>SELECT TOP 3 Name, Age
2>>FROM Sample.Person
3>>/GO

2. SELECT TOP 3 Name, Age
FROM Sample.Person

Name Age
yaoxin 30
xiaoli
?? 7

3 Rows(s) Affected
statement prepare time(s)/globals/lines/disk: 0.0595s/46282/256257/9ms
execute time(s)/globals/lines/disk: 0.0003s/3/714/0ms

???? ??SQL Shell?????

Published on InterSystems Developer Community (<https://community.intersystems.com>)

DHC-APP>>/SET COMMANDPREFIX

commandprefix = /

DHC-APP>>/SET COMMANDPREFIX=""

commandprefix = ""

DHC-APP>>SET COMMANDPREFIX

commandprefix =

?????????????#?GO?????SQL Shell?????????;
?????????????????SQL Shell???

???SET?SET COMMANDPREFIX?????SQL Shell?????????????SQL Shell?????????????
?????????

????

SQL Shell RUN????SQL?????

?????????????????????IRIS (InterSystems SQL)?Sybase (Sybase TSQL)?MSSQL (Microsoft SQL);

????????IRIS?

?????RUN scriptname?????????RUN?????????????

RUN?????????????????????????????

?????????????????????GO?????();???

RUN?????????????

SQL?????????????????????????????

?????????????????????????

RUN?????????????????????????:

[SQL]USER>>SET DIALECT=Sybase

dialect = Sybase

[SQL]USER>>RUN

Enter the name of the SQL script file to run: SybaseTest

Enter the file name that will contain a log of statements, results and errors (.log):

SyTest.log

SyTest.log

Many script files contain statements not supported by IRIS SQL.

Would you like to log the statements not supported to a file so they can be dealt with manually, if applicable? Y=> y

Enter the file name in which to record non-

supported statements (_Unsupported.log): SyTest_Unsupported.log

Please enter the end-of-statement delimiter (Default is 'GO'): GO=>

Pause how many seconds after error? 5 => 3

Sybase Conversion Utility (v3)

Reading source from file:

Statements, results and messages will be logged to: SyTest.log

.
.
.

TSQL??

???SQL Shell???????Sybase??AvgAge?
???Sybase EXEC?????????
???????????InterSystems IRIS?????InterSystems SQL CALL???????????

DHC-APP>>SET DIALECT Sybase

dialect = Sybase
DHC-APP>> << entering multiline statement mode >>
1>>CREATE PROCEDURE AvgAge
2>>AS SELECT AVG(Age) FROM Sample.Person
3>>GO
3. CREATE PROCEDURE AvgAge
AS SELECT AVG(Age) FROM Sample.Person

statement prepare time(s)/globals/lines/disk: 0.0173s/8129/22308/4ms
execute time(s)/globals/lines/disk: 0.0436s/3844/23853/34ms

DHC-APP>>EXEC AvgAge
4. EXEC AvgAge

Dumping result #1
Aggregate_1
50.68137254901960784

1 Rows(s) Affected
statement prepare time(s)/globals/lines/disk: 0.0086s/8096/21623/0ms
execute time(s)/globals/lines/disk: 0.1131s/90637/458136/19ms

DHC-APP>>SET DIALECT=IRIS

Dialect 'iris' is not supported.

[#SQL #Caché #InterSystems IRIS #InterSystems IRIS for Health](#)

00 1 0 0 49

Log in or sign up to continue
????

? URL: <https://cn.community.intersystems.com/post/%E7%AC%AC%E5%8D%81%E5%9B%9B%E7%AB%A0-%E4%BD%BF%E7%94%A8sql-shell%E7%95%8C%E9%9D%A2%EF%BC%88%E4%B8%89%EF%BC%89>