

%PUBLICROWID

??????RowID????????????%PUBLICROWID????RowID????????????%PUBLICROWID????????“not
SqlRowIdPrivate”??ALTER TABLE????????%PUBLICROWID?

??RowID?????:

- RowID???SELECT *???
- RowID???????????
- ??????????RowID????????????RowIDField_As_PKey???????????
- ???

???????

??CREATE TABLE????????????? IRIS????????????????????????????????????SQL MapName?%%DDLBEIndex?

Index DDLBEIndex [Extent, SqlName = "%DDLBEIndex", Type = bitmap];

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

- ??????????????
- ?????????IDKEY???
- ??????????????????????MINVAL=1?
- \$SYSTEM.SQL.Util.SetOption()??DDLDefineBitmapExtent?????0?????????????????????????????????a Do classes created by a DDL CREATE TABLE statement define a bitmap extent index?

????????????????????????????????????CREATE BITMAPEXTENT INDEX????????????????????????????????CREATE BITMAPEXTENT INDEX???????????

????????????????????DDL????????ALTER TABLE?

IDENTITY?????

SQL????????????RowID????????????????????????????????????id?
???IDENTITY????????????????RowID?id?????????????????
IDENTITY????????????IDKEY?????????????????????????????

????????????????????IDKEY?

?????????ID?????IDENTITY?????????????:

- ?????????????IDENTITY???
- ?????????IDENTITY?????SQLCODE -308???
- IDENTITY????????????????????????
????????????????????????????????BIGINT?
????????????????????integer?SMALLINT;
????BIGINT??RowID????????
????????????????NOT NULL?UNIQUE???????
- ???????????
????????????????????
- ??????IDENTITY????????????????????

???? SQL?? CREATE TABLE???

```

??????INSERT?????????IDENTITY?????
????????SQLCODE -111???
?????????IDENTITY?????SYSTEM.SQL.Util.GetOption("IdentityInsert")??;
????0?????????????????SYSTEM.SQL.Util.SetOption()?????????status=$SYSTEM.SQL.Util.SetOption("
IdentityInsert"?1?.oldval)?????????????CLASSPARAMETER
ALLOWIDENTITYINSERT=1???ALLOWIDENTITYINSERT=1?????SetOption("IdentityInsert")?????????
• ???UPDATE?????????????????????SQLCODE-107???
• ??????????????????ODBC?JDBC???CREATE TABLE?ALTER
TABLE????????????????????????????????????????????????????????????????????????????????????
• SELECT*?????????????????

```

?INSERT?UPDATE?DELETE?????????LAST_IDENTITY???LAST_IDENTITY????????
?????RowID??

?????SQL??

```

/// d ##class(PHA.TEST.SQLCommand).CreateTable5()
ClassMethod CreateTable5()
{
  d $SYSTEM.Security.Login("_SYSTEM", "SYS")
  &sql(
    CREATE TABLE Employee
    (
      EmpNum INT NOT NULL,
      MyID IDENTITY NOT NULL,
      Name CHAR(30) NOT NULL,
      CONSTRAINT EMPLOYEEPK PRIMARY KEY (EmpNum)
    )
  )
  if SQLCODE '= 0 {
    w !,"??????: ",SQLCODE
  } else {
    w !,"?????"
  }
  &sql(
    INSERT INTO Employee
    (
      EmpNum,Name
    )
    SELECT ID,Name FROM SQLUser.Person WHERE Age >= '25'
  )
  if SQLCODE '= 0 {
    w !,"???? error is: ",SQLCODE
  } else {
    w !,"?????????"
  }
}

```

?????????(EmpNum)?????????ID?????????EmpNum?????????????(?WHERE?)?????????????????????myid????????????????????
??????

ROWERSION?SERIAL?AUTO_INCREMENT??

SQL???Library.BigInt????????????

???? SQL?? CREATE TABLE???

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```
ALTER TABLE MyTable ADD CONSTRAINT MyTablePK PRIMARY KEY (f1)
```

??SQLCODE-307???

[#SQL #Caché](#)

00 1 0 0 20

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????

? **URL:** <https://cn.community.intersystems.com/post/%E7%AC%AC%E5%8D%81%E4%B8%83%E7%AB%A0-sql%E5%91%BD%E4%BB%A4-create-table%EF%BC%88%E5%9B%9B%EF%BC%89>