


# CDC???????DSTIME???InterSystems IRIS/Caché???CDC??

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[Qiao Peng](#) · ?? 29  ????? 4 ??

# CDC???????DSTIME???InterSystems IRIS/Caché???CDC??

???????mirroring?shadow???journal????????????????????????????????InterSystems IRIS/Caché???CDC??  
?????????InterSystems IRIS/Caché????????????????????DSTIME??????????????

## DSTIME??

DSTIME???InterSystems IRIS/Caché???????BI??DeepSee????????????  
InterSystems  
IRIS?2011?????Caché?????DSTIME????????????????SQL??^OBJ.DSTIME??

DSTIME?????SQL?/????????????????????????????????/????????  
????DSTIME??/????????????????????????InterSystems IRIS/Caché????????^OBJ.DSTIME????????????????  
^OBJ.DSTIME(??,DSTIME,??ID) = ?????????

### DSTIME:

?SQL?/????????DSINTERVAL?????DSTIME=0?  
?SQL?/????????DSINTERVAL?????DSTIME=1840/12/31???12??????????????

??????????

??	??
0	??
1	??
2	??
???	

^OBJ.DSTIME("Demo.Patient",5673588714,2) = 1  
^OBJ.DSTIME("Demo.Patient",5673588735,3) = 1  
^OBJ.DSTIME("Demo.Patient",5673588784,4) = 1  
^OBJ.DSTIME("Demo.Patient",5673588791,2) = 0

????????????DeepSee????????^OBJ.DSTIME?????IRIS/Cache'??????  
??DeepSee???cube????????????????^OBJ.DSTIME????????????????????????????????  
?????????DeepSee?????cube?????^OBJ.DSTIME??CDC?????InterSystems????????????????????

## ??DSTIME??

InterSystems IRIS/Caché???SQL????????????????DSTIME??  
??2?????DSTIME ?DSINTERVAL

DSTIME ??????AUTO??InterSystems IRIS/Caché????????SQL?/????????????  
DSINTERVAL????????????????????????????CDC????????????=1?

### 1. ??SQL?????SQL?

???SQL????????????DSTIME ?DSINTERVAL????

?????SQL????????DSTIME??Demo.Patient?

```
CREATE TABLE Demo.Patient (  
    %CLASSPARAMETER DSTIME = 'AUTO',  
    EMPNUM          INT NOT NULL,  
    NAMELAST       CHAR(30) NOT NULL,  
    NAMEFIRST      CHAR(30) NOT NULL,  
    CONSTRAINT EMPLOYEEPK PRIMARY KEY (EMPNUM))
```

??%CLASSPARAMETER DSTIME = 'AUTO'????DSTIME???

### 2. ??????????????????????

????????????????????DSTIME?????????Parameter DSTIME = "AUTO";?

```
Class Demo.Patient Extends %Persistent [ ClassType = persistent, DdlAllowed, Final, Owner = {_SYSTEM}, ProcedureBlock, SqlRowIdPrivate, SqlTableName = PATIENT ]  
{  
    Property NAME As %Library.String(MAXLEN = 1) [ SqlColumnNumber = 2 ];  
    Property DOB As %Library.Date [ SqlColumnNumber = 3 ];  
    Parameter USEEXTENTSET = 1;  
    Parameter DSTIME = "AUTO";  
    Parameter DSINTERVAL = 1;  
}
```

### 3. ??????????DSTIME??

???????SQL Schema????????????????DSTIME????????????????????DSTIME????????????????????????????????

??????

```
Class Demo.Super Extends %Persistent [ Abstract, NoExtent ]  
{  
    Parameter DSTIME = "AUTO";  
}
```

?????????NoExtent????????????????????

???????Demo.Super?????????

```
Class Demo.Patient Extends Demo.Super [ Language = objectsript ]  
{  
    Property NAME As %Library.String(MAXLEN = 100) [ SqlColumnNumber = 2 ];  
    Property DOB As %Library.Date [ SqlColumnNumber = 3 ];  
}
```

??

??DSTIME??????SQL????????InterSystems IRIS/Caché??^OBJ.DSTIME????

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????DSTIME????InterSystems  
IRIS/Caché????????SQL??^OBJ.DSTIME??

????????  
????????/????????????????????DSTIME????^OBJ.DSTIME??

## CDC??

??CDC????????

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