

## ????Globals——????

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[Nicky Zhu](#)

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## ????Globals——????

?????????InterSystems IRIS????????????????????DBMS?

????????????????DBMS????????????????????API?

- ?????????????SQL?

- ??????????????????

- ?????????????????Globals?

????????????????????????????????InterSystems IRIS????????????????Globals????????????????????????????????

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### ???? ?????

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????????????????????????????????CRUD????????????????ORM??

?DBA????????????????DBMS????????????????????????

??InterSystems IRIS????????????????????Global????????????????

### ???? ??

????????Point?

```
Class try.Point Extends %Persistent [DDLAllowed]
{
    Property X;
    Property Y;
}
```

?????DDL/SQL???????

```
CREATE Table try.Point (
    X VARCHAR(50),
    Y VARCHAR(50))
```

????????????????????????????Global????????????????????????????????

Storage Default

```
{
<Data name="PointDefaultData">
  <Value name="1">
    <Value>%%CLASSNAME</Value>
  </Value>
  <Value name="2">
    <Value>X</Value>
  </Value>
  <Value name="3">
    <Value>Y</Value>
  </Value>
</Data>
<DataLocation>^try.PointD</DataLocation>
<DefaultData>PointDefaultData</DefaultData>
<IdLocation>^try.PointD</IdLocation>
<IndexLocation>^try.PointI</IndexLocation>
<StreamLocation>^try.PointS</StreamLocation>
<Type>%Library.CacheStorage</Type>
}
```

???????

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

- Type: ??????????????????????
- StreamLocation - ???Global
- IndexLocation - ??Global
- IdLocation - ??ID?????Global
- **DefaultData** - ???Global?????/???XML??
- **DataLocation** - ?????Global

?????DefaultData?PointDefaultData?????????????????Global???????????

- 1 - %%CLASSNAME
- 2 - X
- 3 - Y

?????????????Global?????

^try.PointD(id) = %%CLASSNAME, X, Y

????????? Global ??????????????????????

zw ^try.PointD

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

```
set p = ##class(try.Point).%New()
set p.X = 1
set p.Y = 2
write p.%Save()
```

????Global????

```
zw ^try.PointD
^try.PointD=1
^try.PointD(1)=$lb(" ",1,2)
```

?????????????%CLASSNAME, X, Y?? \$lb(" ",1,2) ?????????????X?Y???%CLASSNAME ??????????)?

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

```
INSERT INTO try.Point (X, Y) VALUES (3,4)
```

?????Global??????

```
zw ^try.PointD
^try.PointD=2
^try.PointD(1)=$lb(" ",1,2)
^try.PointD(2)=$lb(" ",3,4)
```

?????????SQL?????????????????Global?????????????PointDefaultData ???X?Y?????????????????????????????

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

```
SELECT * FROM try.Point
```

??sql??????ObjectScript??? ??^try.PointD????????????? PointDefaultData ????????

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

```
DELETE FROM try.Point
```

?????Global???????

```
zw ^try.PointD
^try.PointD=2
```

?????????ID?????????/?ID=3?????????????????

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

```
DROP TABLE try.Point
```

?????????Global?

zw ^try.PointD

????????????Global??API????????????????bug???

[#Object Data Model](#) [#SQL](#) [#??](#) [#???](#) [#??](#) [#InterSystems IRIS](#)

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