Question
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Get class property position in storage $lb

I have a classname and a property name. I want to know, when I get object value directly from a global, which property corresponds to which position in the $lb structure.

Here's what I got so far:

```
Class Utils.Storage {

/// write ##class(Utils.Storage).GetPosition()
ClassMethod GetPosition(class As %Dictionary.CacheClassname = "Sample.Address", prope
rty As %Dictionary.CacheIdentifier = "Zip") As %Integer
{
    set strategy = $$$comClassKeyGet(class, $$$cCLASSstoragestrategy)
    set strategyId  = class _ "||" _ strategy
    &sql(SELECT Name INTO :position
        FROM %Dictionary.StorageDataValueDefinition
        WHERE parent = (SELECT ID
                        FROM %Dictionary.StorageDataDefinition
                        WHERE parent = :strategyId AND Structure = 'listnode')
        AND Value = :property)
    quit position
}


/// do ##class(Utils.Storage).Test()
ClassMethod Test()
{
    set list = $lb("Street", "City", "State", "Zip")
    set obj = ##class(Sample.Address).%New()
    Do obj.%SetSerial(list)

    set list2 = obj.%GetSerial()
    zw obj, list2
}
}
```

Work example:

```
write ##class(Utils.Storage).GetPosition("Sample.Address","City")
>2
```

It should work for everything, except

- Array Of properties in persistent classes with default array STORAGEDEFAULT
- List Of properties in persistent classes with non-default array STORAGEDEFAULT
- Custom storage
- SQL storage

- Relationships

And that's okay, I only really need it for serial classes. But is there maybe a better way to get it?

UPD: Should probably check how it works with inheritance.

#Caché #Globals

Source URL:https://community.intersystems.com/post/get-class-property-position-storage-lb