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## Question

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## How to determine that a package exists?

I need to know if given package exists or not.

Currently found two solution - one doesn't work, another works but I don't like it.

### Solution 1.

I started, of course, with %Dictionary package - it has PackageDefinition class after all.

However, %ExistsId returned 0 on packages that clearly do exist, so I went to %LoadData, it uses this macro to determine if the package exist:

```
#define PACKAGE(%package) ^oddPKG($zcvt(%package,"u"))
```

And zw ^oddPKG showed the root cause - ^oddPKG global only contains data for packages with tables (or something along these lines).

### Solution 2.

Using sql to find first class that starts with package name. Seems like an overhead to me.

```
Query PackageExists(package) As %SQLQuery
{
  SELECT TOP 1 1 As "Exists"
  FROM %Dictionary.ClassDefinition
  WHERE ID %STARTSWITH :package
}

/// write ##class().GetPackageExists("isc")
ClassMethod GetPackageExists(class)
{
  #dim exists As %Boolean
  if class = "" {
    set exists = $$$YES
  } else {
    set package = $case($l(class, "."), 1: class, : $p(class, ".", 1, *-1))
    set rs = ..PackageExistsFunc(package)
    do rs.%Next()
    set exists = (rs.Exists = $$$YES)
  }
  quit exists
}
```

Ideas?

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