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Distributing Library Packages: Percent (%) classes vs %ALL namespace

Hi, Community!

Someday you find yourself having a wonderful class package which can be helpful in several projects. So it is a library package.

How to make the classes available for different namespaces in Caché? There are two ways (at least two ways familiar to me):

1. Start the name of the package with %, like **%FantasticLib.SuperClass**. Wrong way.

If you do that the class would be placed in %SYS and would be available in other namespaces.

This is wrong because of the two reasons:

1. The class will be wiped out with the next Caché update (as all the %SYS Namespace).

2. InterSystems can introduce its own %FantasticLib package.

3. You need to turn off 'read-only' flag on CACHELIB database to install the % class in it which reduces the security level of the system and makes the installation more complicated.

2. Name it without leading '%' like **UsefulLibrary.Class** and map it to %All namespace. **Right way!**

All the packages mapped to %ALL are visible in all the Namespaces (with one exception of "SAMPLES"). [Documentation.](#)

Yes, it needs one extra step in installation but you can import the library class in any "garbage" namespace like "USER" or to a separate DATABASE/NAMESPACE if the library is large and map the package in %ALL.

And yes, it's a pretty "ap's" post, but I still meet examples of the %Lib approach, so hope it can be helpful.

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