
Article

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Method to recompile classes and routines after a major upgrade

During a major version upgrade it is advisable to recompile the classes and routines of all your namespaces (see [Major Version Post-Installation Tasks](#)).

```
do $system.OBJ.CompileAllNamespaces("u")
```

```
do ##Class(%Routine).CompileAllNamespaces()
```

To automate this administration task and keep a log of any errors, below is an example of a class to import and compile into the USER namespace that you can use after each upgrade : [admin.utils.cls](#)

Class admin.utils.cls

After upgrading, just run the admin.utils.upgrade method from an IRIS Terminal session :

```
USER>do ##class(admin.utils).upgrade()
```

And see the result from the administration portal via the explorer [System](#) > [Globals](#) > [upgradeLog](#)

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