

Organize %ZLANG**

Article

[Robert Cemper](#) · Jul 19, 2020



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The guide "[Extending Languages with %ZLANG Routines](#)" tells you all details you need to know to extend your actual programming language.

Adding command by command it can become a long and un-handly routine.

How to do it in a clean way?

For longer sequences, you can outplace the code into another class or a routine.

But this might not be effective for midsized code segments.

In addition, the call creates an additional stack level and that's not for free.

An alternate (traditional) approach is :

Instead of adding line by line commands and it's code

you isolate each command and its code into a separate INclude file.

So what is left is just 1 single line by command and a list of activated extensions.

This example of a %ZLANGC00.mac may show a possible approach

In case you just use a few extensions you can skip this.

But I have seen extensions of several hundred lines where you get lost even if your screen is in portrait mode.

I prefer this compact view.

```
1  %LANGC00      ;
2  #include ZZUSER      ; login to USER namespace
3  #include ZZSYS       ; login to %SYS namespace
4  #include ZZSHUTDOWN ; shut down the server quietly
5  #; include ZZALL     ; get %ALL privilege #disabled
6  #include ZZrobert    ; run command example
```

BTW: #include can do more than just host #define, .. for \$\$\$_references

This is a coding example working on Caché 2018.1.3 and IRIS 2020.2

It will not be kept in sync with new versions

It is also **NOT** serviced by InterSystems **Support** !

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