

Article

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Using Package Manager with InterSystems IRIS in Docker Container

Hi Developers!

InterSystems Package Manager (ZPM) is a great thing, but it is even better if you don't need to install it but can use immediately.

There are several ways how to do this and here is one approach of having IRIS container with ZPM built with dockerfile.

I've prepared [a repository](#) which has [a few lines in dockerfile](#) which perform the download and install the latest version of ZPM.

Add these lines to your standard dockerfile for IRIS community edition and you will have ZPM installed and ready to use.

To download the latest ZPM client:

```
RUN mkdir -p /tmp/deps \  
&& cd /tmp/deps \  
&& wget -q https://pm.community.intersystems.com/packages/zpm/latest/installer -O zpm.xml
```

to install ZPM into IRIS:

```
" Do \system.OBJ.Load("/tmp/deps/zpm.xml", "ck")" \
```

Great!

To try ZPM with this repository do the following:

```
$ git clone https://github.com/intersystems-community/objectscript-zpm-template.git
```

Build and run the repo:

```
$ docker-compose up -d  
Open IRIS terminal:  
$ docker-compose exec iris iris session iris  
USER>
```

Call ZPM:

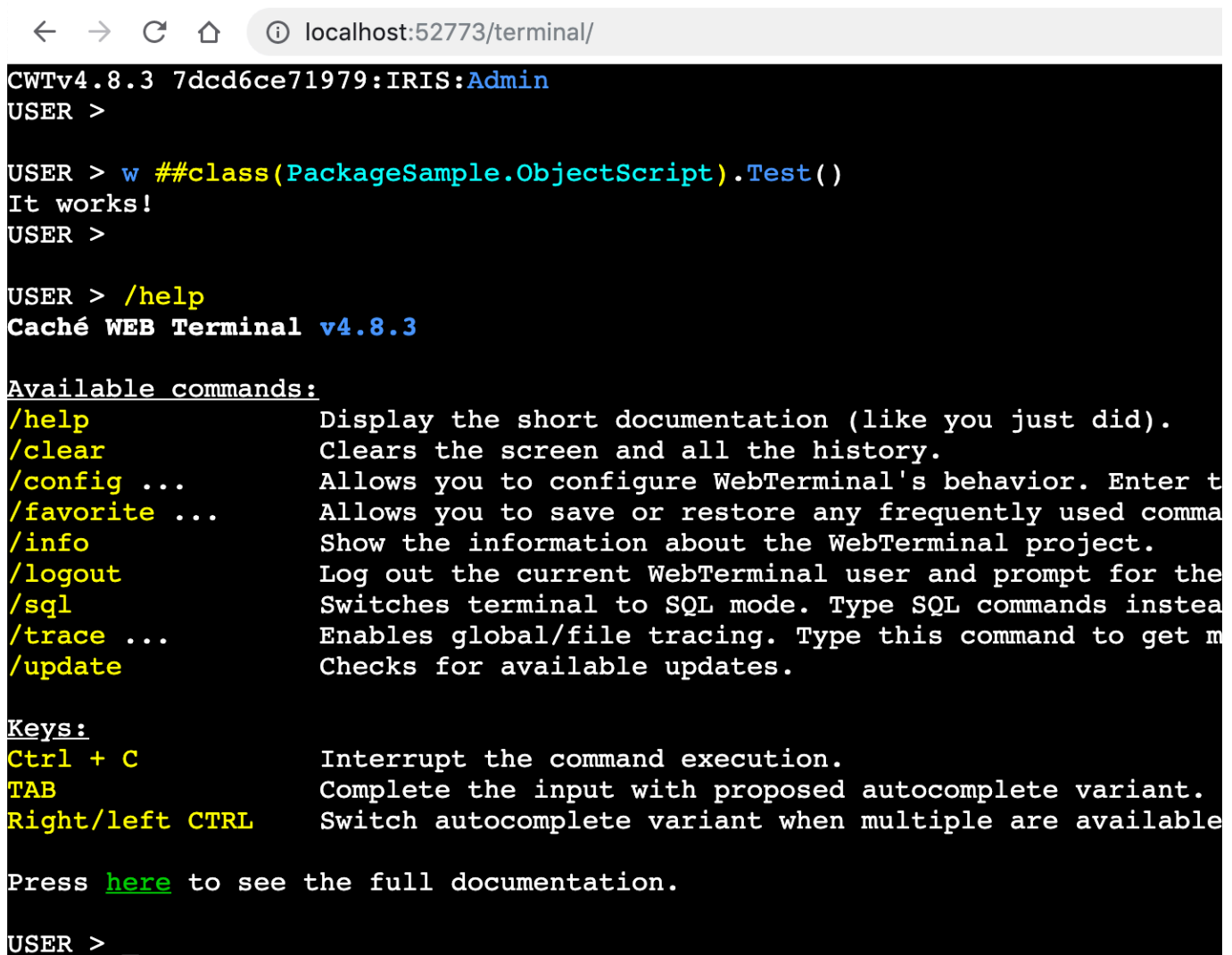
```
USER> zpm
```

zpm: USER>

Install webterminal

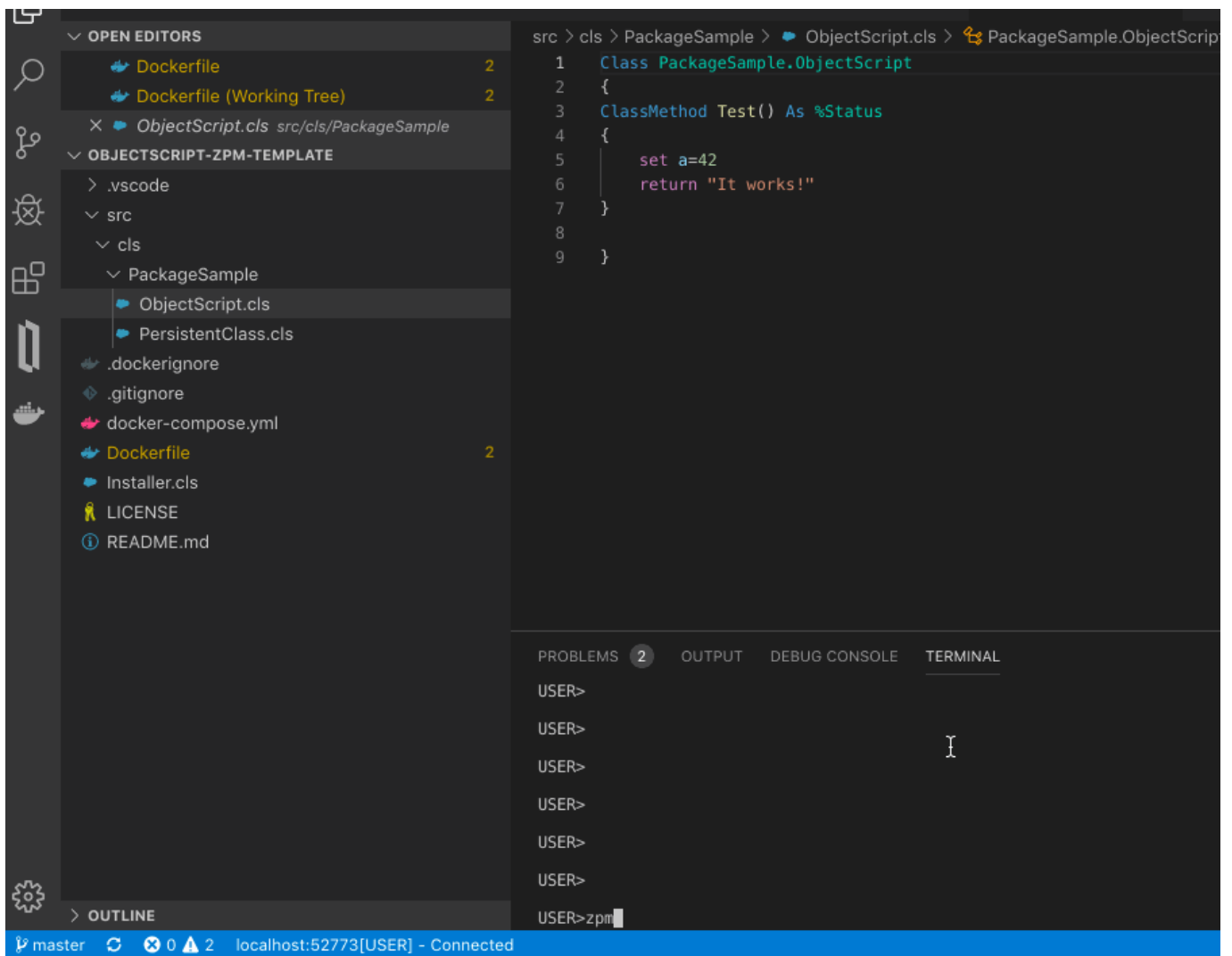
```
zpm: USER>install webterminal
webterminal] Reload START
[webterminal] Reload SUCCESS
[webterminal] Module object refreshed.
[webterminal] Validate START
[webterminal] Validate SUCCESS
[webterminal] Compile START
[webterminal] Compile SUCCESS
[webterminal] Activate START
[webterminal] Configure START
[webterminal] Configure SUCCESS
[webterminal] Activate SUCCESS
zpm: USER>
```

Use it!



```
← → ↻ 🏠 ⓘ localhost:52773/terminal/
CWTv4.8.3 7dcd6ce71979:IRIS:Admin
USER >
USER > w ##class(PackageSample.ObjectScript).Test()
It works!
USER >
USER > /help
Caché WEB Terminal v4.8.3
Available commands:
/help          Display the short documentation (like you just did).
/clear         Clears the screen and all the history.
/config ...    Allows you to configure WebTerminal's behavior. Enter t
/favorite ...  Allows you to save or restore any frequently used comma
/info          Show the information about the WebTerminal project.
/logout        Log out the current WebTerminal user and prompt for the
/sql           Switches terminal to SQL mode. Type SQL commands instea
/trace ...     Enables global/file tracing. Type this command to get m
/update        Checks for available updates.
Keys:
Ctrl + C      Interrupt the command execution.
TAB           Complete the input with proposed autocomplete variant.
Right/left CTRL Switch autocomplete variant when multiple are available
Press here to see the full documentation.
USER > _
```

And take a look at the whole process in this gif:



[#Containerization](#) [#Docker](#) [#ObjectScript Package Manager \(ZPM\)](#) [#Terminal](#) [#InterSystems IRIS](#)
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Source URL: <https://community.intersystems.com/post/using-package-manager-intersystems-iris-docker-container>