

Article

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[Open Exchange](#)

Execute Server Commands from Caché / Ensemble / IRIS

The question has come up several times and I saw mixed answers and no quick example

My personal preference is using CPIPE device as you get back exactly the output you will get at the command line interface of your OS .

The tricky thing is to stop reading in time.

The example just displays what you normally see in your console.

it becomes useful if you look for things that you can't get from any `$system.whatever()`

e.g.

- your servers IP address or addresses depending on your configuration.
- pinging any other server to see if it is still visible on the network
- running nslookup

```
Zpipe quit ; CPIPE example to run host console command
cmd(command="",test=0) ;
if command="" set command="dir"
quit $$execute(command,test)
```

```
execute(cmd,test) Public {
set dev="|CPIPE|1"
set $zt="cls"
set empty=0
open dev:cmd:0
write:test $test,!
else write "pipe failed",! quit 0
while empty<3 {
use dev read line
set empty=$s($l(line):0,1:$i(empty))
use 0 write line,! ;;; or do any kind of analysis of the line
}
}
```

```
cls ;
set $zt="" use 0
close dev
if $ze'["<ENDOFFILE>" w $ze,!
quit $t
}
```

..

Just run `USER>do cmd^Zpipe()` to see if you are allowed to use PIPES

(I just met a narrow-minded security manager that didn't allow the use of pipes to Caché)

or

```
USER>do cmd^Zpipe("tracert community.intersystems.com")
```

```
Tracing route to community.intersystems.com [54.83.203.138] over a maximum of 30
hops:
```

```
1      3 ms      1 ms      1 ms      10.10.1.1
2      *        *        *        Request timed out.
3     116 ms    168 ms    132 ms    at-vie01b-rc1-ae11-0.aorta.net [84.116.228.201]
4     142 ms    114 ms    115 ms    at-vie05d-rc1-ae29-0.aorta.net [84.116.140.2]
5      *        *        *        Request timed out.
6     114 ms    114 ms    115 ms    us-nyc01b-rd2-ae9-0.aorta.net [84.116.140.170]
7     118 ms    116 ms    117 ms    us-was03a-rd1-ae5-0.aorta.net [84.116.146.142]
8     114 ms    115 ms    114 ms    us-was03a-ril-ae11-0.aorta.net [84.116.130.165]
9     114 ms    116 ms    114 ms    213.46.182.202
10    145 ms    132 ms    132 ms    54.239.111.240
11    115 ms    115 ms    114 ms    54.239.110.152
12    126 ms    136 ms    132 ms    54.239.110.149
13    115 ms    116 ms    114 ms    54.239.108.133
14    129 ms    148 ms    133 ms    52.93.24.94
15    115 ms    114 ms    117 ms    52.93.24.85
16    *        *        *        Request timed out.
17    *        *        *        Request timed out.
18    *        *        *        Request timed out.
19    *        *        *        Request timed out.
20    *        *        *        Request timed out.
21    429 ms    121 ms    114 ms    ec2-54-83-203-138.compute-1.amazonaws.com
[54.83.203.138]
```

Trace complete.

[#Caché #InterSystems IRIS](#)

[Check the related application on InterSystems Open Exchange](#)

Source URL: <https://community.intersystems.com/post/execute-server-commands-cach%C3%A9-ensemble-iris>