

## Article

[Robert Cemper](#) · May 27, 2022 1m read

## WebCommand

There is a popular package "WebTerminal". It is excellent in most situations.  
Except:

- running system commands in your operating shell is not so easy
- as it communicates to the IRIS host over HTTP and WSS it consumes 2 connections
  - With only 5 connections in the community license (and the "Grace Period of CSP")
  - you can hit the limits rather fast: 2 Webterminals + 1 SMP and you are done
- WebCommand is a pure CSP page consuming just 1 single connection
- WebCommand allows multiple ObjectScript command lines running in sequence
- With \$ or ! your command goes to Operating System same as with default terminal
- It is no full terminal emulation but a slim helper for debugging
- And it is an excellent place to apply ["One Liners"](#)

Just a simple loop in ObjectScript

### Run Command on Server

Enter ObjectScript Commands to be executed on Server  
\$ or ! as first character executes 1 command line in OS shell

**Command:**

**Result:**

```
1
2
3
4
5
6
7
done
```

Directory listing inside container

## Run Command on Server

Enter ObjectScript Commands to be executed on Server

\$ or ! as first character executes 1 command line in OS shell

Command:

Run

Result:

```
total 164072
-rw-r----- 1 irisowner irisowner 62914560 May 27 21:28 IRIS.DAT
-rw-rw---- 1 irisowner irisowner 104857600 May 27 21:38 IRIS.WIJ
drwxr-xr-x 2 irisowner irisowner 4096 Feb 1 05:00 Locale
-rwxrw-r-- 1 irisowner irisowner 198 May 27 21:24 SystemMonitor.log
drwxrwxr-x 1 irisowner irisowner 4096 May 27 21:21 Temp
-rwxrw-r-- 1 irisowner irisowner 104 May 27 21:24 alerts.log
-rwxrw-r-- 1 irisowner irisowner 36501 Feb 1 05:01 ensinstall.log
drwxrwxr-x 1 irisowner irisowner 4096 May 27 21:24 enslib
-rwxr-xr-x 1 irisowner irisowner 38361 Feb 1 05:00 iboot.log
```

File Dump

## Run Command on Server

Enter ObjectScript Commands to be executed on Server

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Command:

Run

Result:

```
05/27/22-21:24:02:620 (446) 2 [Utility.Event] System
appears to have failed over from node b7386b24a7ea
```



[Demo Server SMP](#)

[Demo Server WebCommand](#)

[GitHub](#)

Code Quality

[intersystems\\_iris\\_community/WebCommand](#)

Passed

Last analysis: May 27, 2022, 10:36 PM

0   
 Bugs

0   
 Vulnerabilities

—   
 Hotspots Reviewed

0   
 Code Smells

 0.0%  
Duplications

23   
XML

[#CSP](#) [#Debugging](#) [#InterSystems IRIS](#)

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