Article

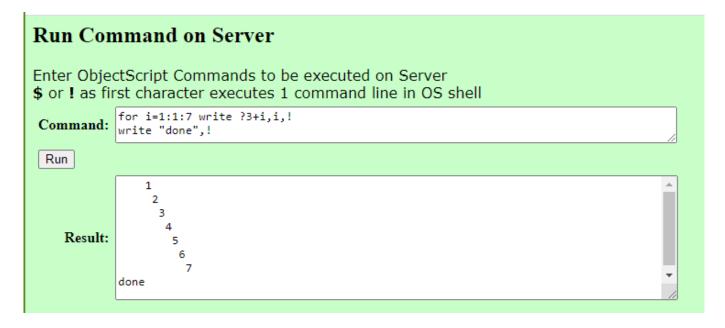
Robert Cemper · May 27, 2022 1m read

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")
 - o you can hit the limits rater 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



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: $\frac{\dir}{2} - 1 \cdots / \text{

Run

Total 164072

-rw-r----- 1 irisowner irisowner 104857600 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 21:24 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 36501 Feb 1 05:00 iboot.log
```

File Dump

Run Command on Server

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

Command: \$cat ../alerts|.log

Run

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

Result:

<u>Demo Server SMP</u> <u>Demo Server WebCommand</u>

GitHub

Code Quality



Source URL: https://community.intersystems.com/post/webcommand